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Index to The Florists' Exchange, Volume XV, 1903

Illustrated articles are marked with an (*) asterisk.

A

A Farce at a Flower Show 590
A Fellow Feeling, etc 134
A Progressive Association 706
A Quaint Old House and Garden 134
A Severely Serious Society 316
A "Sun" Ray of Hope for the Wanting Widow 351
A Trip to Mount Mitchell 120*
Acacia, The Rose 664
Acer polymorphum dissectum atro-purpureum. Supplt. to No. 11 286
  pseudo-platanus. Supplt. to No. 7 166
Acetylene Light in Plant Growing 199
Achimenes Verschaffeltii 566*
Adiantum cuneatum Croweanum 114, 406*
  "hybridum" 406*
Adiantum "hybridum" and Croweanum 482
Advertising, Random Notes on 53
Agaves at Botanic Garden, Washington, D. C 703*
Alyssum for Winter Flowering 648
Amaryllis 488, 592
American Association of Nurserymen, Detroit Meeting of 693
  Program 501
American Institute (N. Y.) Show 292
American Park and Outdoor Art Association 428
  Program of Meeting 718
American Peony Society, 167, 194, 349, 693
  Officers of 673
American Pomological Society 672
American Rose Society 253, 317
  Fifth Annual Meeting and Exhibition of 358
  List of Premiums for Philadelphia Show 114
  Work of The 361
American Seed Trade Association, Convention of 719
Ampelopsis Veitchii, Sowing Seeds of 186
Amygdalus, Forcing for Easter 143
nts 36
  On Lawns 719
Applied Scripture 539
Araucaria excelsa 172
  imbricata 172
Arboretum, Morton's 5
Ardisia crenulata 173
Asparagus Sprengeri 143
Asters 169, 488
  for Pot Culture 488
Aucubas, Berry-bearing 159
Azalea amœna 405*
  indica, specimen 254*
  indica alba 538*
Azaleas 404
  at Ghent Quinquennial Exposition 538
  mollis 583, 691, 718
  Sander's Prize 675*

B

Banquets and Backbone 258
Barr, Peter, on American Horticulture 700
Bean Growing, Commercial, in New York State 303
Beautification of Waste Places 203
Bedding Plants 198
Begonia Glôire de Lorraine 168, 618
  longipila 430*
Begonias, Rex 614
  Double Tuberous 670
  Tuberous-rooted 120, 431
Boiler, A Coil 236
  To Clean a 173, 199
Boilers, Coil, Duration and Care of 539
  Steam, Summer Treatment of 673, 695
Books—A Woman's Hardy Garden, 194; American Carnation, The, 536; Book of the Strawberry, 115; Floriculture, Home, 258; Ginseng, 36; Hardy Fruits and Ornamentals, Guide to, 509; Insects Injurious to Roses, 499; Onion Culture, The New 483
Bowling Event, Annual, at Flatbush, N. Y 90
Box, Leaves of, Turning Yellow 254
Briefs for Busy Florists, 4, 42, 63, 80, 121, 143, 157, 196, 225, 253, 288, 314, 341, 404, 453, 473, 506, 538, 567, 592, 618, 646, 674, 708, 729
Buckthorn, Carolina 223
Budded Lilacs 501
Buffalo's Department Store Show 482
Bulb Crop, Holland 704
  Prospects, Holland 275
  Situation, French 336, 553, 616*
Bulbs, Tests of American 258
Burbank, Luther, Honored 616
Burlington (N. J.) Establishment, A (J. G. Sholl) 199*
Burpee's Farm Annual 53
Bushes for Shifting Sands 249

C

California Privet, Hedge of 341
  as a Defensive Hedge Plant 6
Calla, The Godfrey 647
Callas 254
  for Easter 288
Camellias, outdoors 421
"Canadian Florist," The 290
  Horticultural Association, Executive Meeting 33, 148A
Canna, Mrs. E. S. Converse 665
  Mont Blanc. Supplt. to No. 15 169*
  Seth Low 616
Carnation Grower, A Rochester, N. Y 475
  League, The 36, 140
  Show at Baltimore 366
  Show at Boston 322
  Show at Cleveland 345
  Show at Toronto 290
  Society, American 166, 194
    Banquet to 233, 236
    Incorporation of 88
    Notes on Recent Show of 232
    Premium List for Brooklyn Show 88
    Twelfth Annual Meeting and Exhibition at Brooklyn, N. Y 200-3
Carnations 475
  A House of, from Pots 593
  Ashes, The Use of in Carnation Growing 88
  at Cottage Gardens, Queens, N. Y 39
  at L. E. Marquisee's 58
  at Lancaster 121
  Benches for 543
  Best, for Retail Trade 42
  Congressmen and 254
  Cutting and Packing 142
  Cutting Bench, Fungus on 120
  Growing Variety Mrs. Thomas W. Lawson 38
  Field Planting at Flatbush, N. Y 543
  Houses for 543
  Memorial Day 646
  Mixed Stock 142
  New, Deterioration of 141
  Observations and Conclusions 357
  Our 116
  planted in 1903, 616, 622, 623, 646, 674
  Potted Stock, Care of 88
  Propagation, March 288
  Seasonable Notes 430
  Seedling 260
  Soil for 488, 646
  Storing Flowers of 566
  To Dye, Green 288
  Unrooted Cuttings 89
CARNATION VARIETIES
  Varieties—Albatross, 233*; Bride, The, 202, 241; Enchantress, 12, 235*; Field, Marshall, 38*, 39*; Flagg, Mrs. Ernest, 454; Flamingo, 233*; Harlowarden, 38*, 39*; Her Majesty, 38*, 39*; Indianapolis, 197*; Joost, Mrs. Frances, 673; Kennicott, Alice C., 159; Lady Bountiful, 116; Lowndes, Governor, 201*; Magdalene, 198*; No. 138A, 88*; Naumann, Louise, 116*; Penelope, 116; Phœbus, 454; Phyllis, 159; Pond, Lillian, 230; Pontiac, 174; Profusion, 194; Reliance, 564; The Queen, 357*; Roosevelt, Governor, a Sport of, 173; Sensation, 232*; Sibyl, 116; Success, 116; Sunbird, 233*; Tiger, 41*; Una, 194; Webb, Mrs. William Seward, 86; White, Mrs. Thomas W. Lawson, 89*, 194; Yorktown, 357*
  Young Stock, Care of 288
Casket Cover, A Floral 511*
Catalogues, Seedsmen's, J. C. Vaughan on 28
Catalpas, Grafting 421
Cedar of Lebanon 527
  Red, Beauty of 223
    from Cuttings 42
Cement in Greenhouse Construction 62*
Cemeteries, Taxation of 508
Central Park, N. Y., Renovating 29
Chamærops excelsa, Hardiness of 186, 340, 421
Chemical Manures for Garden Crops 513
Cherry, English Morello 79
Chestnuts, Spanish, in England 158
Chickweed, To Eradicate 404
Chimney, Size of 511
Christmas Greens 28
  Pines in Pots for 28
  Reports, Canadian, 1902 9
  Store Front Decorations 15*, 16*
  Trade Reports, 1902 17
Chrysanthemum frutescens in Violet House 357
Chrysanthemum Society of America 12
  and variety Estelle 115
  and Weak-Necked Varieties 195
  Exhibition, 1903 454
  Preliminary Prize List for New York Show 564, 647
  Review of Work of Committees 14
  Exhibition Flowers and Growers 513
Chrysanthemums for Exhibition 92
  in Cold Frames 453
  Manures for 428
  Starting Cuttings of 42
Citrus trifoliata as a Hedge Plant 261
Clematis paniculata 453*
  The Scarlet 29
Clerodendron Balfourii 292*
Clinging Vines 197
Clianthus Dampierii 618
Clucas & Boddington Co., New York 526
Coal, Let us Have Free Entry 12
  Prices, Ratio of, to Receipts 93
  Scarcity of in New Jersey 12
  Situation, The 37, 197
  Substitutes for 23
Cœlogyne Dayana 729*
Coil Boilers, Duration and Care of 539
Colorado Blue Spruce 473
Concrete 511
Conifers, Leaders to 527
Conviviality, The, of the Craft 286
Copyright for Rose Refused 12
Corn Crop, Ohio 662
Crab-apple, Sweet-scented 555
Cratægus pyracantha 393
Crocus, King of the Whites, Forcing 237
Croton, The, As a Bedding Plant 729
Cryptomerias in Japan 29
Currant, The 6
Custom House Examination of Trees 636
Cuttings, Planting 445

D

Daffodils, A New Classification of 438
  Forcing a second year 538
Dahlias 207, 268
  Commercial Notes on 168
  for Cuttings 62
Dale Estate, Brampton, Ont. Growth of 561
  Heating Plant at 252, 354*
Decoration Day, Flowers from Seed for 120
  Table, for a Wedding 486*
Decorations at President Roosevelt's Reception in San Francisco 627
Decumaria barbara 730
Deutzia, Double Pink 691
  Lemoinei, Forcing 197
Device, A, for Stringing Smilax, etc 90
Dielytra for Easter, Forcing 143
Dogwood, Japanese White-flowered 636
Dracæna kewensis 618, 619*
  Pere Charon 670
Dreer's Garden Calendar 53

E

Earliness of the Season 305
Easter, 1903 454
  Display of John Coombs 484*
    of John H. Dunlop 487*
  Displays, New York Retailers' 485*, 486*
  Forcing Amygdalus for 143
  Forcing Dielytra for 143
  Forcing Viburnum for 172
  Freesias for 142
  Lilies for 142
  Stock, Among Growers of 356
  Trade of 1903 456, 460*
    Later Reports of 485
Elæagnus Simoni 6
Electricity, Effect of on Plant Life 521
Employer and Employee 140
English Horticultural Notes 593
Eremuri at Riverton, N. J. 610
Espalier Fruit Trees 5
Ether, Forcing by, in France 538
Eucalyptus, "Hardy" 305
Evergreen Seedlings 393, 473
Evergreens, A Bed of. Supplt. to No. 26 726*
  Balls of Earth with 445
  Clipped at Bobbink & Atkins' 593*
  Dead Branches in 249
  Early Planting of 277
  for Summer Sales 341
  for the Northwest 663
  How to Care for 318
  in Winter, The Sun on 341
  Leaders to 222
  Near Cities 79
  Some Neglected 700
  The Planting Size of 305
  Transplanting 393, 555
Everything for the Garden 105
Exochorda grandiflora 405*
Exposition Building, Milwaukee 350, 362*
Express Companies, The 12
Express Rates, 36, 60, 96, 114, 134, 148, 151, 194, 250, 258, 287

F

Fern, A Good Hardy, for Grouping 445
  A Lasting 511
  Anna Foster, A Foreign View of 662
  Hybrids and Hybridizing 406, 454
  The Pierson 566
Ferns, A Talk on 289
  Boston 172
  Green Worms on 120
  of New Zealand, Some Noble 198
Fertilizer, A Complete 538
Fertilizers, A Bulletin on 650
  under Glass 507
Fewkes, A. H., Secretary American Peony Society (Portrait) 693
Ficus Leaves, Damaged 13
  Turning Yellow 142
  pandurata 618, 619*
  Plants, Two Monster 289*
Figs 422
Fir, Nordmann 54
Fir Tree Oil 142
Fire at an Experiment Station (N. J.) 509
Flag, The American 363*
Floods in Kansas, The 662
"Flora and Sylva" 536
Floral Casket Cover, A 511*
  Clock at St. Louis Exposition 511
  Decorations in Parks 565
FLORAL
  Designs, Some 207*
  Engine, A 288*
  Motor Car, A 363*
  Parade, Los Angeles 590
Florists' Clubs and City Surroundings 316
Florists' Clubs, etc., Officers of—American Association of Nurserymen, 693; American Peony Society, 673; Baltimore, 296; Buffalo, 363; Cincinnati Florists' Society, 735; Colorado Society of Floriculturists, 601; Dutchess County Horticultural Society, 69; Germantown (Pa.) Horticultural Society, 65; Grand Rapids, Mich., 211; Hampden County (Mass.) Horticultural Society, 279; Hartford, Conn., 331; Montana, 127; New Bedford, Mass., 157; New Haven County Horticultural Society, 68; New London County (Conn.) Gardeners' and Florists' Club, 90; Pittsburg, 45; State Florists' Association of Indiana, 66; Utica, N. Y. 598
Flower Garden, The Summer 320
  Market for Indianapolis 45
    Philadelphia 18
  Shows, Texas 404
Flowering and Ornamental Shrubs for the North 318
  Shrubs in their Order of Blooming 355*
Freesias 488
  for Easter 142
Freeze, An Extraordinary 445
French Roman Hyacinths 662
Fruit Stocks, Seeds and Fruit Trees, Outlook for 135
  Trees, Espalier 5
    for Ornamental Planting 6
    Tap Roots of 107
Fuchsias 489
Fumigating Sweet Peas 168

G

Garden, A Denominational 479
Gardener, The Lady 482
Gardeners and Florists' Union 119
Gardenia, Cuttings of 145
Gardenias for Winter Flowering 592
Gardening in America, Interest in 194
Gardens, Profit in 473
Geraniums 173, 236
  Trouble with 42
Glass, a Substitute for 700
  Acid-dipped 42, 60
Gloxinias 120
Glypostrobus pendulus 158
Government Exhibit at St. Louis 644
  The, Sued, by A. C. Nellis 727
Graft 350
Grafting 277
  Catalpas 421
  Roses 143
  Wax 249
  Wood, Selecting 135
Grape, Japanese variegated 249
Grapes, Flowering 79
Grass, A, for Shaded Situations 729
Grasscutter, The 455
Greenhouse, A Large Rhode Island (Budlong & Sons Co.) 475*
  Display at Eden Park, Cincinnati 561
  Men Indemnity Exchange 700
Greenhouses, New, at Secaucus, N. J 676*
Grubs, White, in Rose Soil 488
Gutters, Metal 254
Gypsophilas 674

H

Hale, N. W., President-elect American Association of Nurserymen 718
  (Portrait) 693
Halesia tetraptera 555*
Hard-wooded Plants 647

PAGE

Hardiness, Climate as Affecting ... 186
of Chamærops excelsa... 186
of English Walnut....... 187
Hardy Plants, Noteworthy New or Little Known.484, 510
Hartshorne, James (Portrait) ... 203
Hawarden Castle ... 168*
Heating....236, 319, 387, 648, 729
by Coil Boiler ... 511
plant at Establishment of Dale Estate, Brampton, Ont............352*, 353*, 354*
Hedge Plant, Citrus trifoliata as a... 261
Hedges, Defensive ... 159
Privet, Cutting Back..... 222
Hemerocallis at Riverton, N. J. ... 728
Hen Manure ... 84
Hill, E. G., sees Oregon Roses ... 727
Hollies from Seed, Raising 79
Holly, Deciduous ... 29
English, Hardiness of.... 636*
South Carolina ... 54
Horse Chestnut, Double-flowered ... 607
Horticultural Rubber Ball, The ... 429
Society of New York..... 566
Trials and Bliss (Poetry) 672
Horticulture in the Klondike ... 107
Old and New in Brooklyn, N. Y... 172
Hydrangea, Hortensia nivalis ... 6
otaksa ... 501
paniculata ... 501*
Hydrangeas, Blue...224, 277, 286
Hydrocyanic Acid Gas..... 319

I

Iberis superba ... 618*
Insurance for Nurserymen. 704
Ivory Soap ... 708
for Red Spider.........169, 509
Ivy, English, for Edgings.. 159
under Trees ... 664

J

Jacobs & Sons, S... 465
Japan Lily Crop, Outlook of 662
Japanese Maples ... 607
Increasing ... 223
Notes ... 319
Pines ... 305
Variegated Grape ... 249
Wine Berry ... 527
Jasmine, A New Hardy Winter-flowering ... 488
Hardy Yellow ... 305
Job and Birnie's "Burns" Prize ... 645
the Mule Poem... 645
Social Habit ... 429
Identity of ... 673

K

Kalanchœ felthamensis..... 593
Kewites, Old, in America.. 673
Kudzu Vine, The... 321

L

Laburnum, Situation for... 607
Lælia Ragotiana ... 665
Larch, Planting in Spring. 54
Lavender ... 6
Layering, Cutting Down Shrubs for ... 445
Layers, Planting ... 445
Leonard Seed Company's Fire, The ... 454
Lilac, Marie Le Graye...... 404*
Lilacs, Budded ... 501
Dwarf ... 54
Lilies, A Succession of.... 489
for Easter ... 142
in Bermuda ... 618
Lily Combine, Bermuda.... 635
Crop, Japan, Outlook..... 662
Field, A, in Bermuda.... 431*
Notes, Bermuda ... 526
Lily of the Valley for Forcing ... 195
production in Germany.. 553
Lippia nodiflora, A Lawn Plant for Arid Regions.. 696
Logan Berry, The........63, 93
Lotus corniculatus ... 583

M

Magnolia conspicua, Chinese White Magnolia, Supplt. to No. 2 ... 36

MAGNOLIA PAGE

grandiflora ... 187
Lennei ... 473
Soulangeana. Supplt. to No. 17 ... 482
Stellata, 318*, Supplt. to No. 22 ... 616
Early blooming of...... 107
Sweet-scented ... 665
Yellow-flowered ... 583
Magnolias, When to Plant. 249
Manure ... 143
for Rose Soil.........288, 236
Hen ... 84
Manures, Chemical, for Garden Crops ... 513
for Chrysanthemums...... 428
Maple, Purple-leaved Sycamore ... 445
Seed, Gathering and Sowing ... 197
Maples, Japanese ... 607
Increasing ... 223
Matheson, Donald, and His Cottage ... 135*
Memorial Day Flowers..527, 664
Milwaukee, The Parks of.. 728*
Mitchell, S. J. (Portrait)... 92
Mosquito Bane ... 186
Motor Vehicles for Florists 39
Mulberry Seeds, Sowing.... 691

N

National Florists' Board of Trade ... 354
Nature Study ... 644
Nephrolepis from Spores... 647
New York Botanical Garden 63, 485
New York Florists' Club, 62, 167, 289, 464, 675
Dinner ... 140
New Zealand, Greeting from 207
Nicotiana Sanderi ... 670
Novelties at Ventura, Cal. 221
Nurseries, Kansas, Damage to, by Floods... 663
Nursery Business, Activity in ... 501
Advancement of ... 341
Work, Pushing ... 277
Nurseryman, The, and His Customers ... 726

O

Oaks, American, in Europe 107
as Shrubs ... 107
Observation, Benefits of.... 533
Obituary—Anthony, J. T. (Portrait), 701; Barron, A. F., 454; (Portrait), 460; Bird, Henry, 508, 536; Bridgeman, Alfred (Portrait), 616, 617; Brigel, Anton, 259; Buchi, John, 508; Cochrane, Joseph, 455; Dick, John, 60; Dunkelberger, John H., 259; Eldering, John, 644; Endicott, Wm. E., 644; Ferrari, C., 483; Foulis, David, 316; Fountain, Henry, 590; Gordon, James, 194; Graham, Hugh, 316; Greene, Frank J., 403; (Portrait), 428; Grey, Benjamin, 287; Hancock, George, 672; (Portrait), 701; Harris, F. L., 61; (Portrait), 63; Harris, Harry C., 617; Hiehle, G. A., 564; Jepson, Andrew, 167; Johnson, Ethelbert, 508; Joseph, E. B., 403; Kauffman, Alvie, 115; Knickman, Louis C., 403; Krick, Mrs. Kunigunda, 86; (Portrait), 90; Liddell, Robert, 590; Lydon, John, 86; McConahy, C. W., 12; McGarrett, Jas. W. (Portrait), 701; Magee, M. A., 508; Murray, John S., 12, 86; (Portrait), 91; Nabonnand, G., 230; Ohmer, Nicholas, 259; Orvis, Emmerson, 455; Peed, John, 60; Peterson, P. S., 86; (Portrait), 107; Ravier, Claudius M., 60; Salter, Dennis, 403; Scallen, John W., 115; Sheppard, Edward J., 287; Smiley, Samuel B., 60; Strueber, William, 60; Thompson, George, 727; Unstead, R. F., 230; Underwood, John M., 287; Williams, A. C., 727; Williamson, Jacob S., 564; Winter, Charles, 60; Withers, James W. (Portrait), 4[illegible]; Wollmers, A., 25[illegible]; Wri[illegible], Jacob ... 455*

PAGE

Ontario Fruit Growers' Association ... 119
Ornamental Foliage Plants 197

P

Pæonia lutea ... 592
tenuifolia, Double-flowered ... 555
Painting Wounds of Trees. 158
Palm and Decorative Plant Trade, Review of the..... 619
Palms ... 196
Brown Scale on... 6*
Some Hardy ... 254
Pamphlets—Care of Plants in the Home and Garden, 121; Cucumbers under Glass, 403; Pecan, Budding the, 316; Silkworm Food Plants, 316; Tariff Act, 1897 ... 316*
Pandanus Sanderi ... 167
utilis ... 592*
Pansies and Geraniums.... 117
Superb ... 581
Parks, The, of Milwaukee. 728*
Pavia rubra ... 107
Peaches from Seed... 158
Peas and the Pea Weevil.. 554
Pease, Customs Decision as to ... 185
Peat as Fuel... 286
Pelargoniums, Seedling..... 117*
zonal ... 647
Pennsylvania Horticultural Society, Exhibition of..... 358
Pentas ... 42
"Peony Association of S. A. F." ...36, 60, 114
Propagating the ... 223
Registration ...258, 286
The ... 92
Perennial, A, for a Shady Place ... 607
Petunias in California...... 143*
Phelps Estate Manor House. Supplt. to No. 20... 564
Philadelphia Notes, Some.. 663
Phlox perennial, from Cuttings ... 488
subulata ... 566*
Phœnix canariensis at Santa Barbara, Cal... 142*
Robeleni ... 196*
Physotegia virginica...322*, 404
Picea (abies) excelsa. Supplt. to No. 13... 350
Pine, White, as a Shelter Tree ... 54
Pines in Pots for Christmas 28
Japanese ... 305
Pinus strobus (White Pine) 340
Pipe, Wrought-iron... 648
Pipes, Greenhouse, Separating ... 657
Jointing ... 323
Piping ... 511
Plant Depredations and Plant Culture ... 15
Diseases in the U. S., 1902 726
Market, New York....313, 362
Notes from Riverton, N. J. 728
Support and Pot Holder, An Adjustable ... 727
Planting, Value of Judicious, for the Suburban Home ...405, 432
Plants, Bedding ... 198
for a Small Place... 357
Hardy, Noteworthy New or Little Known... 484
New and Rare, at Ghent Quinquennial ... 675*
Ornamental Foliage ... 197
Winter-killed ... 422
Platycodon grandiflorum... 647*
Pollenation, Practical ... 168
Pollworth Co., C. C. (Portraits) ... 567
Poppy, Oriental ... 636
Post Check Currency... 86
Pot Holder, New Extension 173*
Primula farinosa ... 674*
kewensis ... 488
scotica ... 674*
veris superba ...62, 121
Privet, California, The, as a Defensive Hedge Plant... 6
Hedges, Cutting Back..... 222
Winter-killed ... 501
Pruning Shrubs ... 662
(Summer) of Trees and Shrubs ... 722
Winter, of Shrubs and Trees ... 29
Putty, Poor ... 288
Pyrus japonica varieties... 473

R

Rackham, George A. (Portrait) ... 203
Red Spider, Ivory Soap for 89, 169

PAGE

Reflections on Current Topics, 61, 87, 141, 317, 403, 429, 483, 565, 591, 645, 672
Rhododendron House (Bobbink & Atkins) ... 593*
Rhododendrons, The Flowering of ... 54
Rhubarb Roots ... 84
Richardia hybrida Solfatara 670
Rose Garden, World's Fair. 616
New, Copyright for, Refused ... 12
Show, Annandale, N. Y.. 676
Soil, Manure for... 236
Roses ... 107
and Vines on Dwelling... 432*
for Old Trees... 249
the South ... 431
Grafted ... 539*
Grafting ... 143
Hybrid Perpetual ... 173
Improvement of hybrid selection—Blind vs. Flowering Wood for Cuttings ... 359*
Manure for ... 288
New ... 360
Outdoor, Cultivation of 678, 702
Temperature for American Beauty Cuttings.... 236
Varieties—Blush Rambler, 670; Farquhar, The, 20; Gruss an Teplitz, 729; Levavasseur, Mme., 488; Liberty, House of, 730; Pillar of Gold, 482; Queen of Edgely, 618; Roberts, Lady, 488; Schneewitchen, 488; Tea Rambler, 647; Waltham Rambler ... 670
Rubus moluccanus ... 670
Rust, David, Presentation to (Portrait) ... 87*

S

St. Louis Exposition......36, 86
Salt for a Lawn... 120
Sand ...254, 357
Sands, Shifting, Bushes for 249
Scale, Brown, on Palms.... 6*
San Jose, on Peach Twigs 197
on Spruce Trees ... 538
Season, Oddities of the..... 527
Seed and Plant Introduction and Distribution, Expert in ... 53
Beds, Keeping Damp...... 607
Celery ... 661
Crop Plants, Condition of 605, 635
Crops, Nebraska ... 4
Growing on Long Island. 525
Mustard, Case ... 185
Sugar Corn........275, 391, 443
Seed Trade Association, American ... 53
Seeds, Dill and Parsley, Aromatic ... 156
Vine, Alfalfa, and Insects on ... 77
Selaginella Watsoniana.618. 619*
Shrub, A Hawthorn-scented 636
Shrubs and Vines, Early Flowering ... 79
Skimmia japonica ... 187
Smith, Elmer D., Chrysanthemist ... 12
Snails ... 511
Soft, in Gardens... 430
Snapdragons ... 63
Society of American Florists—Executive Committee, Appointments on..... 36
Meeting ...320, 402
Peony Association of, and its Critics ... 167
Sergeant-at-Arms for.... 402
Transportation to Milwaukee ... 644
Soil for Carnations... 489
Vegetables ... 489
Tightening, About Newly Planted Stock ... 527
Solanum Capsicastrum..... 618
Solid Beds vs. Benches..... 268
Something To Be Pushed Along ... 134
Soot, To Dispose of... 269
Sow Bugs ... 431
Special Spring Edition...... 350
Spiræa japonica ... 236
Spiræas, Summer-flowering 222
Spruce, Douglas ... 78
Desirability of ... 135
Golden Norway ... 583
Norway, Avenue of. Supplt. to No. 24... 672
Stock, Getting in Shape.... 6
White Excelsior ... 670
Stocks ... 319
Subsoiling ...93, 135

PAGE

Sweet Pea, Statistics of the 662
Sweet Peas ... 121
Novelties in for 1903...... 28
Fumigating ... 16
Syringa japonica ... 71
grandiflora ... 626

T

Tank, Size of... 648
Water Overflowing... 648
Tap Roots of Fruit Trees.. 107
Taxation of Cemeteries.... 608
The Passing of an old Landmark (Gabriel Marc & Co. est., Woodside, L. I.).... 727
Thermometer, A Recording 93
Thorburn & Co.'s Catalogue 53
Tomato, Tree..6, 107, 135, 159, 260*
Tomatoes, Forcing ... 33
Trade Unionism Among Florists ... 508
Transplanting, Late, of Trees and Shrubs ... 501
Tree Currant ... 6
Tomato, The ... 6
Trees, About ... 564
Custom House Examination of ... 636
Deciduous, Transplanting, Late ... 421
Fruit, Espalier ... 5
Fruit, for Ornamental Planting ... 6
Newly Set, Sandy Soil for 24
Painting Wounds of... 15
Root Pruning for Removal 32
Trumpet Vine Not Flowering ... 10
Tulip, White Hawk or Albion ... 204*
Tulips ... 121

U

Ulmus americana, The American Elm. Supplt. to No 4 ... 6
campestris superba. Supplt. to No. 9... 23
Union Gardeners in Chicago 56
The Gardeners' and Florists' ... 11

V

Vegetables, List of American Varieties of, for 1901, 1902 ... 32
Veronica Teucrium ... 58
Viburnum, Forcing, for Easter ... 17
opulus ... 319*
Vick, Charles H. (Portrait) 71
Vinca, Herbaceous ... 55
Vines, Clinging... 19
for Dead Trees... 27
in Pots ... 34
Violet Growers, Farmers Becoming ... 72
Violets ...62, 14
Virginia Creeper ... 73

W

Walnut, English, Hardiness of ... 18
Walnuts, English, from Buds ... 42
Ward, C. W., President American Peony Society (Portrait) ... 69
Water Tempering Device, A ... 23
Wax, Grafting ... 24
Weeds in Lawns, Killing.. 48
White Fly, or Plant House Aleyrode ... 89
Willard, S. F., President-elect American Seed Trade Association (Portrait).... 71
Wineberry, Japanese... 52
Wintzer, Antoine (Portrait) 16
Wistaria as Bushes... 511*
Women, Outdoor Work for 17
Wood Ashes ... 17
World's Fair, St. Louis, Arboriculture at ... 44
Notes ... 66
Palace of Horticulture.... 675, 702*
Pomology at ...305, 44
Worms, Green, on Ferns... 12

Y

Yearbook, The, for 1902.... 59

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 1 NEW YORK, JANUARY 3, 1903 One Dollar Per Year

G E Stone Jan 03 Hatch Expt Sta

Here Is Another Bargain in Bulbs for Easter Forcing.

All the Paper White Grandiflora, Horsfieldi, Emperor, Empress, and double-nosed Von Sion Narcissus offered in last week's issue **ARE ALL SOLD.** We could have sold them two or three times over. People know a good thing when they see it. We offer below some other good stock at equally low prices. If you can use any of the bulbs offered, let us have order without delay, before we are sold out.

Now that the holidays are past, Florists are looking forward to Easter, which comes late this Spring—April 12th, so that there is plenty of time to get any of the stock here offered in bloom by that time. Bulbous stock is selling for good prices on account of the scarcity of other flowers—due to the high price of coal—and as bulbs can be grown in a low temperature, they will make money for you.

Everything offered is in first-class shape, and are **GREAT BARGAINS AT THESE REDUCED PRICES. Send for complete list of surplus bulbs, which we are closing out at equally low prices.** When ordering please refer to this special offer.

SMALL SIZED NAMED HYACINTHS.

This is wonderfully fine stock for the price. The bulbs are of large size—12-15 cm. in circumference—and are splendid for Easter forcing, either for cutting or growing in pans. Nothing is more readily salable. Although the price is low, the bulbs are first-class. They will throw almost as good flowers as the larger and higher-priced bulbs. If you have never flowered them, try a thousand or two. You will be pleased with the results. They cannot fail to make money for you.

The following pink varieties **at only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Baron van Tuyll, Gen. Pelissier, Gertrude, Gigantea, Rob. Steiger, Solfatara.

The following blue varieties **at only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Grand Maitre, King of the Blues, La Peyrouse, Chas. Dickens, Blondin, Czar Peter; also Tamerlan (yellow).

The following white varieties at **only $2.00 per 100; $16.00 per 1000** (worth $22.00 per 1000), viz.: Baroness van Tuyll, Grandeur a Merveille, Blanchard, L'Innocence, Mme. Van der Hoop, Paix de l'Europe.

FINE NAMED HYACINTHS Single and Double.

We offer also a limited stock of the following varieties in first-sized bulbs, $3.00 per 100; $25.00 per 1000 (worth $35.00 per 1000), La Peyrouse, Regulus, Tamerlan, Grand Lilas La Pluie d'Or, Gen. Pelissier, Grandeur a Merveille, Bloksberg, Bouquet Tendre, Czar Nicholas, Crown Prince of Sweden, Flevo, Garrick, Groottorst, Gen. Antinck, King of Wurtemburg, La Tour d'Auvergne, LaVirginite, Lord Anson, Lord Raglan, Othello, Prince of Orange, Prince of Saxe-Weimar, Princess Royal.

HYACINTHS **In Separate Colors, Single and Double.** We still have a few of these left, which we offer as long as unsold at **$2.50 a 100; $20.00 a 1000** (worth $26 a 1000).

WHITE ROMAN HYACINTHS.

We still have a few cases of fine 12-15 centermeter bulbs, which we offer as long as unsold at **$15.00 per 1000** (worth $25.00 per 1000).

NARCISSUS These prices will speak for themselves: Von Sion, double extra sized bulbs, per 1000, $7.50; Trumpet Major, Single Von Sion, per 1000, $6.00; Princeps, Poeticus Ornatus, Barri Conspicuus, per 1000, $5.00; Incomparable Stella, Incomparable fl. pl., Alba Plena Odorata, per 1000, $4.00; Poeticus, Single Sweet-scented Jonquil, per 1000, $2.00; Golden Spur, Silver Phœnix, Grandis Maximus, per 1000, $15.00.

TULIPS.

Single and Double.

Most of the varieties here offered are among the very best forcing varieties, especially for late or Easter forcing. La Reine, Rachel Ruisch, Rosamundi Huykman, Bizard Verdict, Couleur Ponceau, La Candeur, Yellow Rose, Lady Grandison, Duke of York, Rose Blanche, Count Leicester, per 1000, $5.00; Cottage Maid, Joost van Vondel, Brutus, Pæony Red, per 1000, $6.00; Tournesoll, red and yellow, Gloria Solis, Le Blason, Rosine, per 1000, $7.00; Pottebakker white, Duc van Tholl scarlet, Standard Royal Silver, per 1000, $7.50; Rose Grisdelin, Belle Alliance, Mariage de ma Fille, per 1000, $10.00; Proserpine, Mon Tresor, Couleur Cardinal, per 1000, $12.00; Joost van Vondel, white, Rose Luisante, per 1000, $20.00.

CALLAS We have a few hundred of these, which can be gotten in fine shape for Easter. Extra sized bulbs, 1¼ to 1⅝ inches in diameter, $3.00 per 100, worth $5.00 per 100; Selected bulbs, 1⅝ to 1¾ inches in diameter, $4.00 per 100, worth $6.00 per 100.

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Asparagus Plumosus Nanus

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NOW READY
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GOOD HEAVY STRINGS
50 CTS. EACH.

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Semple's and **Vick's Branching,** to color, or mixed, red, white, pink, purple, lavender. 4 ozs. for $3.50	$0.25	$1.00
Queen of the Market, to color or mixed, rose, light blue, white. 4 ozs. for $1.75........	.15	.50
Victoria (German seed), to color or mixed, white, scarlet, light blue, dark blue, pink, .ea.	.25	2.00
Daybreak, fine new pink sort	.25	2.00
Purity, fine new white sort...	.25	3.00
ASPARAGUS Sprengeri. Per 100 seeds, 25c.; 1000, $2.00		
ALYSSUM—		
Little Gem, dwarf...........	.10	.25
Maritimum, tall.............	.10	.15
AMPELOPSIS—		
Veitchii.........Per lb., $1.00		.15
CANDYTUFT—		
Empress, finest white........	.10	.20
White Rocket. Per lb. 60c,	.10	.15
CENTEAUREAS—		
Gymnocarpa, white foliage	.15	.50
Candidissima, "	.25	1.00
Margaritæ, Giant White Sultan ...	.25	.75
Odorata, Giant Red Sultan...	.15	.50
Suaveolens, Giant Yellow Sultan	.15	.60
CLEMATIS—		
Paniculata. Per lb., $5.00	.10	.40
COBÆA SCANDENS—		
Purple........4 ozs. for $1.00	.10	.30
DAISY (Bellis Perennis)—		
Snowball, White Double	.50	2.50
Longfellow, Red. Double,....	.50	2.50

	Large Trade Pkt.	Oz.
DRACÆNA INDIVISA— New seed ....per lb.. $2.50......	$0.10	$0.30
IMPERIAL MORNING GLORIES—		
Giant Japanese, lb., $1.50	.05	.20
Giant Fringed, " 3.00	.10	.40
LOBELIA—		
Crystal Palace Compacta, dwarf blue............	.25	2.50
Erinus, trailing blue............	.15	.50
MIGNONETTE—		
Allen's Defiance. the best for indoors. Pkt. 2000 seeds for $1.		
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PANSY, *Non Plus Ultra.* No better mixture in existence....	.50	8.00
PYRETHRUM AUREUM—		
Golden Feather..............	.10	.30
SMILAX, New Crop Seed. Per lb., $3.50	.10	.25
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Ten Weeks, choice pot-grown seed double flowers:		
Princess Alice, Cut-and-Come-Again........................	50	3.00
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THUNEBRGIA—Mixed..	.10	.25
VERBENA—		
Mammoth Mixed...........	.25	1.00

PETUNIA, Choicest Dbl. Fringed. Pkt. 25 seeds for 35c. **Grandiflora, Single Fringed.** Pkt. 500 seeds for 50c.

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Scarlet Sage, 1000 seeds, 25c.: oz. $1.75
Drooping Spikes, 1000 seeds. .25c.; oz. $1.75

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Ask for Special Surplus Bulb List.

AZALEAS 5,000 from which to select your stock.

	Per doz.
10-12 ins. diam., in bloom........................	$6 00
12-14 " "	7 50
14-15 " "	9 00
15-16 " "	12 00
16-18 " "	18 00
18-20 " "	25 00
20-22 " "	36 00

Special prices for large specimens.

AZALEA MOLLIS, selected plants for forcing, $5.00 per doz.; $40.00 per 100.

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in................	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

ENGLISH IVIES, pot-grown $10.00, $12.00, $15.00 per 100. **Specimens,** $9.00, $12.00, $15.00 per doz.

LILAC FOR FORCING. Pot-grown, $6.00 per doz.; $45.00 per 100. **Chas. X, Marie Legraye, Mme. Lemoine.** **DEUTZIA Gracilis,** pot-grown, $1.50 per doz.; $12.00 per 100.

LILAC, Brussels, large specimens, will give 15 to 20 flowers, $12.00 per doz.

VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown. $5.00 per doz.

WISTERIA SINENSIS, pot grown, for forcing, $7.50 per doz.

AMYGDALUS, double, white and pink, $5.00 per doz.

ROSES Per 100, $10.00; per 1000, $90.00. Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

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MANETTI. French, $10.00 per 1000.

GLADIOLUS, Colvillei alba (The Bride), pure white, 50c. per 100; $4.50 per 1000.

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		100	1000
SPIRÆA	Japon[illegible]............	$4.00	$35.00
"	Com[illegible]........	4.50	40.00
"	Asti[illegible].....	5.00	45.00
"	Gladsto[illegible]...	8.00	

JAPAN LILIES. See [illegible]alogue.

We are pleased at all times to receive visitors at our N[illegible]
We have 60 acres planted with the most interesting stock in the co[illegible]
If you do not have our SPECIAL FALL LIST write for it.

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Double, separate colors, white, crimson, scarlet, pink and yellow	.40	3.00	25.00
Double Mixed	.50	4.00	35.00
Double, separate colors, white, crimson, scarlet, pink and yellow	.65	5.00	40.00

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	Doz.	100	1000
Crassifolia Gr., named, separate colors	.50	4.00	35.00
Mixed	.40	3.50	32.50

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	100	1000
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May	1.50	12.00
Shakespeare	5.00	45.00

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	100	1000
Dwarf Pearl, 4-6 in.	1.00	8.50

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	100	1000
Named kinds	10.00	90.00

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	1000
London Market Brand	14.00
International	10.00
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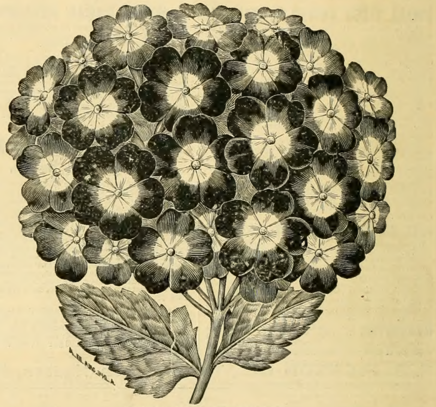

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Flower Seeds which should be started Early!

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Our New Wholesale Price List for 1903 has just been issued. A complete list will be found in same. In case you did not receive a copy, drop us a postal.

	Trade pkt.	Oz.
Ageratum, Blue Perfection, dark	$0.15	$0.50
" Cope's Pet, light	.15	.35
Alyssum, Little Gem, very dwarf	.10	.25
" Tom Thumb, dwarf, erect	.10	.20
" Sweet, trailing	.10	.15
Aster, Queen of the Market, white	.20	.60
" " " " pink	.20	.60
" " " " crimson	.20	.60
" " " " purple	.20	.60
" " " " finest mixed.	.15	.50
Begonia semperflorens, mixed	.25	
Browallia speciosa major	.50	
Centaurea candidissima	.25	1.50
" gymnocarpa	.15	.35
Cineraria maritima	.10	.20
" acanthifolia	.20	.75
Cobæa scandens, purple	.10	.30
" " white	.20	.75
Cyclamen persicum, finest mixed	.30	2.00
	Per 100 seeds.	Per 1000 seeds.
" per. giganteum, white	.75	6.00
" " " blood red	.75	6.00
" " " rose	.75	6.00
" " " white, with red eye	.75	6.00
" " " choicest mixed	.60	5.00
Dahlia, Twentieth Century, new, 17c. per pkt.; 5 pkts., 75c.; 12 pkts., $1.75.		
	Trade pkt.	Oz.
Dracæna indivisa	$0.10	$0.30
" Australis	.20	.60
Pennisetum longistylum	.10	.25
" Rueppeleanum	.15	.40
Grevillea robusta	.15	.40
Heliotrope, Lemoine's Giant, mixed	.40	2.00
" Finest ordinary mixed	.20	.75
Ipomœa grandiflora (Moonflower)	.15	.50
Lantana, finest mixed	.10	.20
Linaria (Kenilworth Ivy)	.25	1.25

	Trade pkt.	Oz.
Lobelia, Crystal Palace compacta	$0.30	$1.25
" speciosa, dark blue, trailing	.15	.50
" gracilis, light " "	.15	.40
Petunia, Dreer's Superb Double Fringed, the finest strain of double Petunia in the whole world. 500 seeds, 75 cts.; 1000 seeds, $1.50.		
Petunia, Dreer's Superb Single Fringed	.50	
Pyrethrum aureum (Golden Feather)	.10	.25
Salvia splendens (scarlet sage)	.25	1.00
" Bonfire, dwarf compact	.40	2.25
" Burning Bush, tall	.30	1.50
Smilax, per lb., $3.50	.10	.30
Solanum capsicastrum (Jerusalem Cherry)	.10	.30
Stock, large flowering, 10 weeks, in separate colors	.40	2.25
Finest mixed	.30	2.00
Cut and Come Again (Princess Alice)	.50	3.00
	¼ lb.	lb.
Sweet Peas, Blanche Ferry, extra early, oz., 5c.	$0.10	$0.25
Sweet Peas, Earliest of All, oz., 5c.	.10	.30
" " Mont Blanc, oz., 10c.	.20	.60
	Trade pkt.	Oz.
Torenia Fournieri	$0.30	$2.00
Verbena, Dreer's Mammoth, pink	.30	1.50
" " " scarlet	.30	1.50
" " " white	.30	1.50
" " " purple	.30	1.50
" " " striped	.30	1.50
" " " finest mixed.	.25	1.00
" hybrida, very fine, mixed	.20	.75
Vinca, rosea	.15	.50
" " alba	.15	.50
" " " pura	.15	.50
" " mixed	.15	.40

HENRY A. DREER, 714 CHESTNUT STREET PHILADELPHIA, PA.

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SURPLUS DUTCH BULBS

FOR EASTER FORCING.

Note Cut Prices.

	Cut price Per 100	Cut price Per 1000	Reg. price Per 1000
NARCISSUS, DOUBLE VON SION (Double Nosed Bulbs)	$0 80	$7 00	$17 00
" **DOUBLE WHITE** (Alba Plena)	35	2 50	5 00
" **INCOMPARABLE DOUBLE YELLOW,** Fine Forcer	40	3 00	6 00
" **DOUBLE MIXED**	40	3 50	7 00
" **SINGLE** "	40	3 50	7 00
" **INCOMPARABILIS SINGLE YELLOW,** Fine Forcer	35	2 50	5 00
TULIPS, DOUBLE MIXED, Named Sorts, rare value	60	5 00	10 00

250 Bulbs Sold at 1000 Rate.

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CHILDSI	"	1.75	15.00
LEMOINE'S	"	1.50	10.00
WHITE AND LIGHT	"	1.50	12.00
SCARLET AND RED	"	1.00	7.00
PINK	"	1.25	10.00
BRENCHLEYENSIS	"	.75	6.00
CERES	"	1.00	8.00
LA MARCK	"	3.00	15.00

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"BONFIRE"

(Best Dwarf). Trade pkt., 50c.; oz., $2.50.

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Really Produces Mushrooms

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Sendfor Prices

HELLER & CO.
MONTCLAIR, N. J.

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	Per 1000
Dutch Hyacinths, Mammoth Bulbs In following varieties: Gertrude, La Grandesse, King of the Blues, Czar Peter.	$50.00
Dutch Hyacinths, No. 1 Bulbs In following varieties: Charles Dickens, red, Gertrude, Norma, Baron von Thuyll, La Grandesse, alba, superbissima, Czar Peter, Charles Dickens, Queen of the Blues.	30,00
Miniature Dutch Hyacinths, extra In following varieties: Baron von Thuyll, red, white, blue.	14.00
Narcissus Von Sion, extra	12.00
Roman Hyacinths, 12x15	21.00
Gladiolus, The Bride, extra fine	3.50
	Per 100
Spiræa Japonica, heavy clump	3.00
" **Compacta Multiflora**	3.50
" **Astilboides Floribunda**	4.00

Still on Hand, Retarded Lilium Longiflorum, all sizes; Lily of the Valley.

F. W. O. SCHMITZ, Importer and Exporter, **Prince Bay, N. Y.**

Mention the Florists' Exchange when writing.

SHRUBS and VINES!

Large Quantities of Shrubs and Vines of Different Sizes.

10,000 **Althea Seedlings,** fine for grafting. **Carolina Poplars,** 5 to 6 ft., per 100, $5.00; 6 to 8 ft., $6.00; 8 to 10 ft., $8.00. **Lombardy Poplars,** 5 to 6 ft., per 100, $6.00; 6 to 8 ft., $7.00; 8 to 10 ft., $10.00. **Tobacco Stems,** in Bales $15.00 per ton.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

CINERARIAS from Benary, Cannell and Sutton's Prize Show Flowers saved, Giant Flowered, flowers often 3 inches in diameter, finest colors and shades, dwarf or semi dwarf 2½ inch, $2.50 per 100. All of them ready for 4-inch, will make fine selling plants for Easter. Cash, please.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

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BEGONIAS

Our Great Specialty.

Mrs. Shepherd's Tree Begonias, assorted, 2½ in. pots, strong plants, $2.00 per doz., delivered.
Marjory Daw, fine winter bloomer, 2½ in. pots, $1.00 per doz., delivered.

Many other Begonias in great variety.
Send for Catalogue and Trade Lists.

THEODOSIA B. SHEPHERD CO.,
Ventura-by-the-Sea, Cal.

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Lily of the Valley... "EMPRESS"

FRESH IMPORTATION.

Finest imported from Germany. **Long stiff stems, profuseness of bells.** After growing them you will never handle any other. 1000, $12.50; Case of 3000, $36.00.

JAPAN FERN BALLS

7-9 inch, our well-known stock, each, 30 cts.; per 12, $3.00; per 100, $22.00.

	12	100
Spiræa Compacta Multiflora	$0.60	$3.50
" Astilboides Floribunda	.75	4.50

PÆONIA SINENSIS

	12	100
Double White or Rose	$1.75	$12.00
" Crimson	1.25	8.00

For other offers see ad., Dec. 20.

Send for our new list—Caladium, Canna, Gladioli, Etc.

H. H. BERGER & CO.
47 Barclay St., NEW YORK.

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MICHELL'S

CELEBRATED DEPENDABLE

FLOWER SEEDS

NEW CROP

ARE NOW READY.

HENRY F. MICHELL
1018 Market St., Philadelphia.

Wholesale Price List will be sent if you wish it.

Mention the Florists' Exchange when writing.

NEW CROP FLOWER SEEDS

Verbena, Petunia, Salvia, Stocks, etc., etc.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped. Oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

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FARQUHAR'S

Columbian Prize

CYCLAMEN

In the Choicest Strain in the United States.

Farquhar's Giant Crimson.

Farquhar's Giant Pink.

Farquhar's Giant White.

100 Seeds $1.25, 1000 Seeds $10.00

CASH WITH ORDER.

R. & J. FARQUHAR & CO.,
6 and 7 South Market St., Boston.

CHAS. F. MEYER
New York
AZALEAS
PALMS
Nursery Stock

A New Star ★ in the Firmament

CHAS. F. MEYER

(Formerly of HAGEMANN & MEYER)

Wholesale Importer of Bulbs, Plants and Nursery Stock

19 BARCLAY ST., NEW YORK

SPECIALTIES Lilies of the Valley Bermuda and Japan Lilies, Roman Hyacinths and Narcissus, Chinese Lilies, Dutch Bulbs, Azaleas, Palms and Nursery Stock. All imported DIRECT from the best growers of their native countries.

MOTTO:—"High Grade Quality, first, last and all the time." My patrons will find me true to my motto.

I recommend my new firm to the kind consideration and patronage of the Trade, and any orders entrusted to me will be filled with the utmost care and fidelity. In case my representative misses you during the traveling season, write for catalogue with special quotations. Buy the best at honest market prices. Yours respectfully, **CHAS. F. MEYER.**

Buyers of

AZALEAS and PALMS

Attention!

PLEASE NOTE THAT THE CELEBRATED COMMERCIAL NURSERIES

AD. D'HAENE CO. Ltd., GHENT, BELGIUM

Have appointed me their **sole** representative in the United States and Canada for the sale of their products in

Azaleas, Araucarias, Palms and Miscellaneous Plants

Extensive plantations and new houses have lately been added to the Nurseries and a large stock, **unsurpassed in perfection of growth**, is offered to the trade this season at reasonable prices.

The greatest care is devoted to the cultivation of **AZALEAS** and **PALMS** and buyers can rely upon receiving well-grown and shapely plants.

For Spring Delivery Growers having room in their greenhouses during the idle Summer months, when no artificial heat is required, will find it to their advantage to import young plants of **Palms, Araucarias, Citrus, Ficus, Etc.** in the Spring, as such young plants can be had at a low figure and will grow rapidly into money making fine salable plants for Fall.

My representative will call upon you during the selling season. If you should unfortunately be missed, write for catalogue. I shall be delighted to receive your order. **Your** turn to be delighted will come when you receive the goods. Yours respectfully,

CHAS. F. MEYER, 19 Barclay St., NEW YORK

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION.

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

PHILADELPHIA, PA.—J. A. Smith, formerly with the Walter Mott Seed Co., of Jamestown, N. Y., is now with Henry F. Michell.

NEBRASKA SEED CROPS.—The vine seed crop in these parts was mostly an entire failure, caused by insects and unfavorable weather. Most of the growers have not got stock seed for next season's planting; a few have carried over stocks from 1900. Those that have supplies of the standard varieties and novelties will surely be in it. The shortage of crops will benefit the mail trade and legitimate dealers, as grocerymen and country store dealers cannot get stock to cut prices. Seeds are invariably sold through the West by grocery and hardware dealers, at one-half catalogue prices, by the ounce and quart. Sweet corn is a very short crop; not over twenty per cent. of good seed of Evergreen, Country Gentleman, Early Minnesota, Cory or Crosby will be saved. From twenty acres of Hubbard squash planted, not one pound of 'seed matured; other growers in this section report the same sort of failures. Growers will have to get better prices, or there will be a very small acreage planted in 1903. The growing of alfalfa in this country is bringing in many kinds of insects that are destroying the seed crops. We have a worm similar to the corn worm that is destructive to the fruit of tomatoes; entire crops of these being destroyed by it. Cucumber seed is selling readily at 75c. to $1.00 per pound, wholesale. G.

Notes from Holland.

A repetition of the severe weather experienced last month, but this time lasting longer and being more intense, put a sudden stop not only to all outside work, but the unusually strong wind blowing made the severe frost penetrate much deeper into the ground than under ordinary circumstances, and the result will no doubt prove to be very painful as soon as the present mild weather has sufficiently thawed out things to allow of a thorough investigation. In the bulb districts very little of the fields had their winter covering on, and in many places the frost got into the ground so deep at once that the covering could not save the bulbs any more, and in many instances such bulbs as iris and gladioli have suffered considerably, and it is even very likely that the so-called hardy bulbs have suffered on account of the fierce blowing and icy wind of the first days. Planting operations have all come to a full stop, and as many thousands of bulbs have to be planted yet, the growers are anxiously looking out for a few days of mild weather to complete operations. Fortunately the present indications are in their favor, and if the rain continues for two days more the ground will be in working condition again.

Reports from various districts where large quantities of sugar beet and potatoes for the factories are grown state serious losses by the severe frost, and such as had not been lifted yet are considered a complete loss. Owing to the cold Summer, lifting of all products was much delayed, and more than usual was still in the ground when the frost came.—Horticultural Trade Journal.

BRIEFS FOR BUSY FLORISTS.

ROSES.—The propagating of new stock for next season's work is in order now, and whenever a batch of cuttings is available they should be put in the sand.

CARNATIONS.—The taking of cuttings of carnations also is in order, and one cannot be too careful in their selection. Taking cuttings from weak or unhealthy plants means only a perpetuation of delicate stock, and should be avoided. Be sure to take only healthy cuttings.

TULIPS AND DAFFODILS.—These can be forced now, and have fairly good stems to the flowers, though they are never very good when tried before the new year comes in. Place them where they will have a good bottom heat, and be away from the light, so as to make the stems stretch out. As soon as the leaves begin to unfold, light must be admitted gradually, as it is harmful to have them in the shade too long.

HYDRANGEAS.—If the early-flowering plants have not yet been put on the benches, this had better be done during the coming week. If the pots are filled with roots, the plants should have another potting. Those that were lifted from outdoors and potted in the Fall will not, however, need potting again at this time.

ALTERNANTHERAS.—The stock plants of these need some attention at this time, and must be got into a good light position, where they can grow stocky, and produce good cuttings.

SEEDS.—A few things may be sown now, such as gloxinia, verbena, lobelia and centaurea.

CATALOGUES RECEIVED.

HENRY F. MICHELL, Philadelphia.—Price List of Flower Seeds for Early Sowing, Supplies, etc.

SURPLUS BULBS
VERY CHEAP

Fine HYACINTHS, TULIPS, FREESIAS, Etc. Send for BARGAIN PRICE LIST.

C. H. JOOSTEN, New York
178 Chambers Street

Mention the Florists' Exchange when writing.

Aster Seed

We offer Seed from Selected flowers of the following varieties of our own growing:

Vick's Branching :: *Vick's Daybreak*
Vick's Purity :: *Vick's Lavender, Comet*
Vick's Snowdrift :: *Giant Comet*
Queen of the Earlies
(*Early Market*)

WRITE FOR SPECIAL PRICES

JAMES VICK'S SONS
ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

The American Carnation
By C. W. Ward.
Price, $3.50. Write for Particulars.
A. T. DE LA MARE PTG. & PUB. CO., Ltd.

MANETTI For Grafting

Immediate delivery, $12.00 per 1000, 5000 and 10,000 lots special prices.

AZALEA MOLLIS

10 to 100 buds, 20c. to $1.00 each.

Deutzia Gracilis and **Lemoinei, Hydrangea Pan. Grand.**, in cellar for immediate shipment.

HIRAM T. JONES, Union County Nurseries, **ELIZABETH, N. J.**

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HARDY ORANGE

(Citrus trifoliata)

Extra fine stock for mailing; 3 to 18 inches in height, $10.00 per 1000; $2.00 per 100.

FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.

SEND FOR LIST.

JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

W. MAUGER & SONS, Guernsey, England.

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California Privet

Strong, branched, two-year plants, 2 to 3 feet, $3.00 per 100; $25.00 per 1000; 18 to 24-in., good, $2.00 per 100; $15.00 per 1000; 15 to 20-in., $1.50 per 100; $10.00 per 1000. Well graded stock that will please.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 15c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Grand Rapids, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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KOSTER & CO.

Hollandia Nurseries, BOSKOOP, HOLLAND.

HARDY AZALEAS, BOX TREES, CLEMATIS, CONIFERS, HYDRANGEAS, PEONIES, Pot-grown Plants for Forcing. RHODODENDRONS, H. P. ROSES, ETC.

NO AGENTS. Catalogue free on demand. NO AGENTS.

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HOLLAND NURSERY STOCK

In Fine, Healthy Condition.

PLEASE ASK FOR OUR CATALOGUE.

Endtz, Van Nes & Co., Boskoop, Holland

Mention the Florists' Exchange when writing.

TOMATOES for FORCING

Stirling Castle. Best of All and Lorillard.
Musk Melons—For Forcing.
Cucumbers—For Forcing.
Illustrated Catalogue Free.

WEEBER & DON,
Seed Merchants and Growers.
114 Chambers St. NEW YORK, N. Y.

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Almost half a century of fair dealing has given our products that prominence which merit deserves. We still offer everything of the best for

ORCHARD, VINEYARD, LAWN, PARK, STREET, GARDEN & GREENHOUSE.

Correspondence solicited. Catalogue and Trade List free. 49 years, 44 greenhouses, 1000 acres.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut, Hill Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

Hardy, Herbaceous Plants

Japanese Iris, German Iris and Pæonias Specialties. Golden Glow, Eulalias, Day Lilies, Hardy Sunflowers, Dragon's Head, Cone Flowers, Boltonias, Sedums and a long list of other valuable kinds in large supply. Please write for lists of varieties and prices; they will probably surprise you.

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

Fine Grafted **ORANGES** Bearing Sizes

	Per 100
12-in. bushy, from 4-in. pots	$20 00
15 to 18 " " " 4 "	30 00

KIN KANS

10 to 12 " " " 4 "	20 00
15 to 18 " " " 4 "	30 00

LEMONS

12 to 15 " " " 4 "	20 00
18 to 24 " " " 4 "	30 00

ROSES

Climbing Clothilde Soupert, strong, field-grown	10 00
Crimson Rambler, strong, field-grown	7 00

CLEMATIS APIIFOLIA

A fine variety, somewhat similar to C. paniculata, but blooms earlier and lasts longer. Strong plants, from 3-in. pots	8 00

(Not less than 40 of a class at 100 rates.)

CITRUS TRIFOLIATA

(Best defensive hedge plant.)

	Per 1000
Strong 2-yr.-old, field-grown	$15 00
" 3 " " "	20 00

AMOOR RIVER PRIVET

(Better than California Privet.)

18 to 24-in., branched	15 00
24 to 36 " "	20 00

(Not less than 400 of a class at these rates.)

Rubbers, Kentias, Phœnix, Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO. (Inc.),
FRUITLAND NURSERIES,
Established 1856. AUGUSTA, GA.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

EVERGREEN

An **Immense Stock** of both large and small sized **EVERGREEN TREES** in great variety; also **EVERGREEN SHRUBS.** Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

We offer at Wholesale a Full Line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company
Continental Nurseries, Rochester, N.Y.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect ou extensive Nurseries. **Gouda** is our **railroad depot.**

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

HYDRANGEAS

$10.00 per 100; $45.00 for 500.

Otaksa Thos. Hogg

Strong out-door plants with 5 to 7 flowering crowns. Suitable for 6-in. or 7-in. pots.

JACKSON & PERKINS CO.
Newark, New York

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

WEST CHESTER, PA.—Hoopes Bro. & Thomas have begun the erection of another packing shed.

Fred'k W. Kelsey, of New York, president of the New England Society of Orange, N. J., presided at the annual dinner of the Society, held in Orange on December 22. In the assembly were Governor Franklin Murphy, Thomas A. Edison and Congressman Fowler. Ex-Attorney-General Griggs and President Woodrow Wilson of Princeton University were among the speakers.

Morton's Arboretum.

Arbor lodge, the home so long occupied by J. Sterling Morton, with an ample tract of land surrounding, has been dedicated as an arboretum in honor of the founder of Arbor lodge. Mr. Morton's sons have set aside a fund to maintain the arboretum, and create a paradise of trees as their father desired it should be. The States of Nebraska and Iowa should take a special pride in this botanical collection, which will be to their inhabitants what Prof. Charles H. Sargent's creation, Arnold's Arboretum, is to all New England. But while the home of J. Sterling Morton was in Nebraska, he will always be thought of as a national character. Many States are purposing to send specimen trees from their native forests, to be planted at Arbor lodge as historic memorial trees.

Espalier Fruit Trees.

Many nurserymen in the past have had inquiries for espalier fruit trees—something hardly obtainable in this country. The call comes in a measure from the fact of there being so many European gardeners in the midst of us, all of whom have been accustomed to having these trees in gardens at home. But more than this, there are good reasons why these trees should be employed here. Many division lines in gardens are made now with shrubs, or bushes of no particular relation to a fruit or vegetable garden. The privet is often so used. The espalier fruit trees would be much better employed instead, as they are utilized in Europe. Nurserymen, as well as their customers, could quickly form these trees. Many a peach, cherry, apple, pear and other fruits could be selected, flat-shaped, with branches from near the ground up, and, set to a wire trellis for a year or two, would be "broken in" for espalier purposes. When once started in this shape it is not difficult to keep them progressing in the same direction. In many city yards, where shade from trees is not desirable, these would be sought for if their merits were explained. There seems room for nurserymen to keep a stock of espalier trees.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
GENEVA, N. Y.

WHOLESALE GROWERS OF **Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees** and **Small Fruits** in great variety.

Send for our Wholesale Price List.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Getting Stock in Shape.

The winter months are by no means idle ones to the nurserymen who have large blocks of trees. There is plenty of work to be done in getting into good shape the many trees not in the best possible condition for selling. There is pruning that can be done to good advantage in Summer, and some which is much better done in Winter. Many trees are much better let grow as they will through the Summer. The more leaves, the stronger the tree becomes, and many a branch which is not where it is wanted helps the tree through the Summer, but should be cut away when Winter comes. Take the common Carolina poplar as an example. Suppose it to be a young tree of six to eight feet in height, just commencing to make some side shoots. The shoots may appear in June, all along the stem. Cut these off from a dozen trees and leave them on another dozen, and at the end of the year you will be satisfied what to do another season. The dozen on which the shoots were let grow will be many times better than the others. The main shoots will be twice the circumference of the others. This holds good in the case of all young trees. Let them grow nearly as they will the first Summer or two, excepting to see that the main shoot is straight. Then it is that the Winter pruning will come in, for then will be the time, and not before, for trimimng off these side shoots. Taking the poplar again as an illustration, as it is nearly altogether desired for street planting, low branches are not required. Near cities, where tree boxes or some protection of the kind from horses and boys is necessary, these trees are not desired branched lower than about six to seven feet. Trim up to this height. All other trees for use in the same way require the same kind of pruning. Where the object is to form lawn trees the branches will be permitted to remain lower, say, to four feet from the ground. This pruning should be started early in Winter, taking advantage of suitable days. Men with suitable boots and clothes do not mind the snow on the ground; when the wind is not blowing they can work and keep warm the greater part of the day.

Besides the pruning in the manner described, there are many other reasons for pruning through a block. A tree may have limbs out of place, the cutting off, or cutting out of which would make such tree worth more to a customer. The pruner, if a man of judgment and conversant with the wants of the trade, will hardly pass a tree, or shrub, in a row that will not have the knife used on it to advantage. One who has to do with the selling of stock is a good party to oversee its pruning. He knows what customers ask and can see at once where a few cuts with the knife will make the tree more valuable. Pruning is one of the most important parts of a nurseryman's work.

Elaeagnus Simoni.

Shrubs that flower in late Autumn are particularly desirable, especially when the season is so favorable to outdoor enjoyment as the present one is. I am led to these remarks by admiring to-day several bushes of the Elæagnus Simoni in full flower, a state they have been in for over a month past. The flowers are white—not a clear white—arranged along the stems, and are delicately and pleasingly scented. The shrub itself is an evergreen, just hardy with us, but it would probably need a sheltered place further north. The persistent leaves hide the flowers to some degree, but not to a serious extent. It is not a rampant grower, such as many of the elæagnus are, but forms a shrub of fair size, and good proportions.

Lavender.

The common lavender is a plant quite hardy in any save a greatly exposed situation in Winter, in this vicinity. It is a plant which when potted, to make transplanting easy, sells freely. Everyone almost wants a pot of lavender. Many of those who see and purchase a plant tell how they have tried time and again to get one from seed, without success. It is an easy subject to increase, striking readily from cuttings. One or two plants grown on indoors and propagated from wood give a nice lot of young plants in a short time.

The California Privet as a Defensive Hedge Plant.

J. H. Crane, of Tennessee, asks whether I can say of the California privet that it is a good defensive hedge plant, fit to enclose his vegetable and fruit garden. In the sense in which the question is meant, I have no hesitation in saying this privet is a good defensive plant. It is not supposed that large animals are at large near such a garden. If they are, such a hedge would not resist a horse or a cow or a hog, but it could be made so bushy that a dog, cat or fowl would not find it easy to get through it. When set about nine inches apart, in a single row, and cut down well at the start and for the few years following, a dense hedge is formed, with lots of small twigs, showing no weak places for the entry of the animals named. Those who may wish to make the hedge still more impenetrable will set a double row of plants, the plants a foot apart in the rows and set alternately, so that between the two rows there is a plant every six inches.

In this vicinity there are many such hedges, thick and dense from the ground up; and it is within everyone's power to have a hedge of this nature if but proper pruning be performed at first, as already advised.

In the North, in sheltered places, especially when in hedge form where one plant protects the other, this privet is evergreen. Only where severe freezing and high winds catch it is it deciduous.

Tree Tomato and Tree Currant.

A correspondent in South Africa writes to enquire if I can give him seeds of tree tomato and tree currant, which, he says, are offered in the catalogue of a New York seedsman. Seeds sent him, he states, have failed to germinate. Neither of these is known to me, though I think I have heard the name "tree currant" applied to the wild ribes of Utah, sometimes called Utah currant, and only as fit to be called currant as is the Ribes floridum of our shrubberies, to which it is closely allied. What we know, and what is meant by tomato can hardly exist as a tree form. The common tomato could scarcely be made into a tree, even if where no frost occurred, and its life continued for several years. If it could be, what advantage would it have over the other? I have advised my correspondent, that if the common tomato and common currant do well with him to rest content; that even if the tree forms he seeks exist, it is doubtful if they would prove of any value to him, compared with the others.

Fruit Trees for Ornamental Planting.

Mr. George McNaughton, writing of what has appeared in these columns from time to time concerning ornamental trees, suggests that more use might be made of fruit trees than is now done, a statement with which I quite agree. There are some trees, the presence of the fruit of which on a lawn would be objectionable; but, on the other hand, there are many sorts not liable to this objection, and even if fallen fruit is undesirable, some of the most prominent of ornamental trees now planted, such as the horse chestnut, the oak, the hickory, and others, cover the ground beneath them with their nuts and shells.

In the vicinity of Philadelphia there are numbers of large mazzard cherry trees, the product of birds dropping stones of cultivated ones in the first place. Some of these trees, originally in wild places, are now on estates which have enclosed them. When these trees are in flower, in Spring, there is no ornamental tree approaches them in beauty. There is no more seed under such trees than under the half of others now planted; and should the fruit not be wanted, birds will be grateful for it. Not everyone would care for an apple or a pear tree in a prominent place on a lawn, but, where unobjectionable, many of them have very handsome foliage and flowers.

Not a month ago I planted an Elkhorn cherry tree to make shade for my kitchen door. This and all the sweet cherries constitute excellent shade trees.

JOSEPH MEEHAN.

Crimson Rambler Extra heavy plants, 5 to 6 ft., $20.00 per 100. 4 to 5 feet, $15.00 per 100; 3 to 4 feet, $12.00 per 100; 2½ to 3 feet, $10.00 per 100.
CANNAS. Send for new Price List
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

COLEUS COLEUS
Rooted cuttings in stock all season, 60c. per 100; 70c. by mail. $5.00 per 1000.
Crimson Verschaffeltii in large quantities; Golden Bedder and Varieties.
Cash with order
C. Schulze & Son, 25 Kalmia St. Flushing, N.Y.
Mention the Florists' Exchange when writing.

Pansy Plants

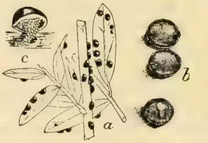
	Per 100.
Large Flowering............$2.50 per 1000;	$0.50
Chinese Primroses, 2¼ pots	1.50
Asparagus Plumosus, 2¼ pots	3 00
Geraniums, 10 varieties, 2 in. pots	2.50
Vinca Var., 3½ pots	4.00

CASH OR C. O. D.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

PANSIES
Roemer's Superb Prize Pansies.
Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.
CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Brown Scale on Palms.

The brown scale attacking palms and other greenhouse plants is the so-called hemispherical scale (Lecanium hemisphæricum Targ). This scale insect is distinctively a greenhouse pest, although it often occurs in subtropical countries out-of-doors on citrus and other trees, rarely, however, in injurious numbers. This insect has been carried all over the world on plants. In color it ranges from the light brown of the young to a dark brown, changing to reddish in the old scale. The adult scale is hemispherical in shape, perfectly smooth and shining; and this, with its color, readily distinguishes it from allied species. A figure of this scale insect drawn from a sprig of olive grown in the department greenhouse is given on page 276 of "The Scale Insect and Mite Enemies of Citrus Trees."



Hemispherical scale (*Lecanium hemisphæricum*); *a*, characteristic group of adult scales on olive—natural size: *b*. three female scales—considerably enlarged; *c*, scale lifted from leaf, showing mass of eggs (original).—Dept. of Agriculture, Washington.

The remedy for this pest on greenhouse plants is in fumigation with hydrocyanic-acid gas where this is feasible. For a few plants, or where fumigation is not advisable, the infested plants may be thoroughly washed with kerosene emulsion, 10 per cent. dilution, or even with a strong soap wash made by dissolving soap in water at the rate of half a pound to a pound to the gallon, the weaker wash being for more tender plants. This application should be repeated as often as necessary. Two applications ought to effect a pretty complete riddance.

L. O. HOWARD.

SMILAX,
2 in., $1.25 per 100.
Geraniums, mixed, $1.25 per 100.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
ROSES

	Per 100	Per 1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
PERLE	1.50	12.50
GOLDEN GATE	1.50	12.50
HELEN GOULD	2.50	20.00
OLIVER AMES	2.50	20.00

GEO. REINBERG,
51 Wabash Avenue, Chicago, Ill.
Mention the Florists' Exchange when writing.

PLANT BARGAINS.
GIANT PANSIES, in variety equal to any, Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.
ALYSSUM, DOUBLE, 2 in., 2 cts.
SWAINSONA ALBA, 2 in., 2 cts.
SELAGINELLA Emil, 2½ in., 3 cts.
UMBRELLA Plants, 2 in., 1½ cts.
GERANIUMS, 15 varieties, 2 in., 2 cts.
VERBENA. 10 fine sorts, 2 in., 2 cts. Rooted cuttings, 60 cts. per 100.
PETUNIA, Double Fine, 20 sorts, 2 in., 2 cts. R. C., $1.25 per 100.
VINCA, Variegated, R. C., 50 cts. per 100.
HARDY PINKS, 8 kinds, R. C., 75 cts. per 100.
Cash. Rooted cuttings prepaid.
BYER BROS., Chambersburg, Pa.
Mention the Florists' Exchange when writing.

ROSES for spring blooming—The proper sorts—Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-yr. field-grown plants on own roots that have never been forced, suitable for 5-in. pots, at 6c.; larger for 6 in. pots, at 10c. Large-flowered Clematis, finest purple, lavender, white and pink sorts, 2-yr. field-grown or from 5 in. pots, at 18c.; 1-yr. field-grown or from 3 in. pots, at 9c. Clematis Paniculata, fine 2-yr. field-grown 5c. Hydrangea P. G., fine rooted layers, 2c. Packing free for cash.
W. H. SALTER, ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

PANSY PLANTS
100,000 of my well known strain; 40c. per 100; $3.00 per 1,000; 4,000 for $10.00.
DAISIES, red and white, 30c. per 100; $2.00 per 1000.
VINCAS, very large field-grown, $5.00 per 100.
J. C. SCHMIDT, - Bristol, Pa.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
STRONG PLANTS.
$4 00 per 1000; $2.50 per 500; $1.00 per 100.
f. o. b. Express here. Cash with order.
CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES
THE JENNINGS STRAIN.
Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.
E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.
Mention the Florists' Exchange when writing.

Hydrangea Hortensia nivalis is figured in the December 20 issue of The Gardeners' Chronicle. Plants shown by Bull & Sons, Chelsea, at a recent meeting of the Royal Horticultural Society, of London, had leaves with a margin three-quarters of an inch wide of a deep green tint surrounding an irregular central patch of creamy white. The plant is said to be an effective greenhouse subject.

VIOLETS VIOLETS

Marie Louise, clean and healthy in every particular, 3 in. pots, $5.00 per 100. Cash with order.

W. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS Rooted cuttings of **S. A. Nutt** and **Bruant**, $1.25 per 100.

Also **CUPHEA** (Cigar plant), 50c. per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

CINERARIAS

Large flowering. From choice seed. 4 inch, $6.00 per 100; 5 inch, $1.50 per doz.; $10.00 per 100. **Chinese Primroses,** 4 inch, in bud and bloom, $5.00 per 100. **Primula Obconica,** 4 inch, in bud and bloom, $5.00 per 100. **Cyclamen Persicum Giganteum,** 4 in., in bud and bloom, $10.00 per 100.

WHITTON & SONS, Wholesale Florists,
City and Green Sts., Utica, N. Y.

Mention the Florists' Exchange when writing.

VINCAS

Major Variegata and Elegantissima, 4000 strong field-grown clumps, stored in carnation house, $3.00 per 100; $25.00 per 1000.

W. J. ENGLE, R. R. No. 8, Dayton, Ohio.

Mention the Florists' Exchange when writing.

Rooted Cuttings

	Per 100
Ivy Geraniums, 10 varieties	$1 50
Weeping Lantanas	1 25
Fuchsias	1 25
Double Petunias	1 25
Marguerites, Paris Daisies	1 00
Feverfew, Little Gem	1 00
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.

(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

Gardenias Gardenias

A Few Choice Plants of Gardenia.

The most fashionable flower up to date. For sale to make room for young stock. Plants in 5-in. and 6-in. pots. Prices on application.

E. G. ASMUS,
West Hoboken - - N. J.

Mention the Florists' Exchange when writing.

IMPATIENS
THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

ASPARAGUS SPRENGERI

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

ROOTED CUTTINGS

Send for List, Fine Stock.

CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.

Mention the Florists' Exchange when writing.

SPECIAL OFFER

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. A splendid stock of plants well budded. Strong plants from 4 in. pots, $1.50 per doz.; $12.00 per 100. From 3 in. pots, budded, $6.00 per 100.

BEGONIA REX. In the finest market varieties, Queen Victoria, Queen of Rex, A. G. Shepherd, Beauty of Richmond, Gloire de Vesinet, Marq. Bordo Corcy, Furstin Blucher, Modesto, Surprise, Louis Closson, Kaiser Wilhelm, Mlle. Daurel, Van der Meulen, Diamant, etc., ready for immediate shipment Well-grown plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Double Gen. Grant, Alphonse Ricard, J. J. Harrison, John Doyle, S. A. Nutt, Beaute Poitevine, Gloire de France, Jean Viaud, La Favorite, Comtesse de Castries, Mme. Thibaut, etc. (Ready for delivery January, 1903). Fine plants from 2½ in. pots, $3.00 per 100; $25.00 per 1000. Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

FIFTY CENTS

Is the low price of "LITTLE POINTS IN VIOLET CULTURE," a booklet which tells in very few words all about the growing of Violets. If you are *in any way* interested in the subject, you should send for a copy of this pamphlet.

W. H. THOMAS, Author and Publisher, Convent Station, N. J.

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY**
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. Springfield, O.

Mention the Florists' Exchange when writing.

PTERIS

	Per 100
WIMSETTI, 2½ in.	$6.00
OUVRARDI, "	6.00
HASTATA, "	5.00
SERRULATA, "	5.00
UMBROSA, "	6.00

These are strong healthy plants, grown cool and spaced; just the thing for fine fern pans.

ASPARAGUS SPRENGERI, 4 in., $6 per 100.

Stock plants of **CRYSANTHEMUMS** from beds, fine healthy plants, of **Robinson, Hardy, Timothy Eaton, Modesto, Mrs. Geo. Pullman, Bonnaffon and Queen,** $4.00 per 100. Cash with order please.

A. J. NEWTON & SONS, Norfolk, Va.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS

A superb collection of 50 varieties, R. C., by mail, $1.25 per 100.

CINERARIA HYBRIDA GRANDIFLORA Giant Prize. About 800 left, $2.50 per 100.
CINERARIA STELLATA, 100 left, $2.50 the 100.
DRACÆNAS INDIVISA and AUSTRALIS, strong, 3 in., 18 to 18 in. high, $5.00 per 100.
HIBISCUS, R. C., 6 varieties, including Peach Blossom, by mail, $2.00 per 100.
PELARGONIUMS, R. C., mixed, Cottage Garden stock, $2.00 per 100.
CYPERUS, Umbrella Plant, fine, 3 in., $4 per 100.
HELIOTROPE, R. C., 15 varieties, from soil, $1.00 per 100.
ABUTILON, 6 Vars., R. C., including Savitzi, $1.50 per 100.
IVY GERANIUMS, 6 fine vars., R. C., $1.50 per 100.
FUCHSIAS, 15 vars., R. C., $1.25 per 100.
STROBILANTHES DYERIANUS, R. C., $1.00 and $1.25 per 100.

	Per 100
GAZANIA SPLENDENS	$1.50
CUPHEA, Cigar Plant	.75
SALVIA, 6 varieties	1.00
LANTANAS, 6 varieties	1.00
PETUNIA GRANDIFLORA, single	1.25

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

PRIMROSES

Improved Chinese. Well known as the finest grown; single and double; strong 3 in., in bud, $3.00 per 100.

GERANIUMS Finest up-to-date, named varieties, strong, 2 in., $2.50 per 100.

IRISH SHAMROCK Strong plants, $4.00 per 100; or 60 cts. per doz., by mail.

XXX SEEDS

Verbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.
Cineraria. Finest large flowering dwarf. 1000 seeds, 50c.
Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50c.
Phlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.
Alyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.
Chinese Primrose. Finest large-flowering fringed varieties, mixed; single and double. 500 seeds, $1.00; half pkt. 50c.
Pansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00; half pkt., 50c.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

CHRYSANTHEMUM STOCK PLANTS

	Doz.
Timothy Eaton, white	$1.00
Col. D. Appleton, yellow	1.00
Chadwick, white	1.00
Maud Dean, pink	.75
Mrs. Jerome Jones, white	.75
White Ivory, white	.75
Major Bonnaffon, yellow	.75

Vinca, field-grown, extra heavy, $8.00 per 100.
Asparagus Plumosus, strong plants, $3.50 per 100.
Boston Ferns, 8 inch, heavy, $1.00 each.
Cycas Revoluta, special value, 50 cts., 75 cts., and $1.00 each.

Send for Price List of other stock.

B. FRANK BARR, Lancaster, Pa

Mention the Florists' Exchange when writing.

Preliminary List of
NEW
Chrysanthemums

and other **NOVELTIES** now ready.

Will be pleased to mail to those interested.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

Large, Strong Stock Plants from Bench.

	Each	Per doz
Bently	$0.35 each;	$3.00 per doz
C Holst	.25 "	2 00 "
Honesty	25 "	2.00 "
Prosperity	.25 "	2 00 "
Providence	.25 "	2 00 "

T. Eaton, Appleton, Maud Dean, Childs, Mrs. Chamberlain, Liberty, Chadwick, Orizaba, Lady Roberts, Golden Wedding, Golden Beauty, Bruant, $1.50 per doz.; $8.00 per 100.

Mrs. E. D. Smith, White Bonnaffon, R. H. Pearson, Bergmann, Willowbrook, Ivory, October Sunshine, Merry Monarch, The Queen Mrs. J. Jones, Bonnaffon, Lucie Faure, Niveus, Eclipse, $1.00 per doz.; $6.00 per 100; 6 plants of one variety at doz. rate; 25 at 100 rate.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

HERE IS A SNAP!

AND ROOM WE MUST HAVE.

5000 S. A. Nutt, 5000 Bruanti, 5000 Beaute Poitevine, 2¼ inch pots.

Your choice at $15.00 per 1000,

In fine shape. Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection	$2 00 per 100;	$15 00 per 1000
Strong pot plants	3.00 "	25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud ..$8.00 per 100

STRONG, HEALTHY CARNATIONS FIELD PLANTS

For prices and varieties see last week's Exchange.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc.	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock Plants, $5.00 per 100.

Bonnaffon, Col. D. Appleton, Cullingfordii, Geo. W. Childs, Ivory, J. H. Woodford, Minerva, Mrs. Jerome Jones, Mrs. J. D. Whilldin, Mrs. John L. Glessner, Mrs. H. Weeks, Mrs. O. P. Bassett, Nevius, Rose Queen, V. H. Hallock.

GERANIUMS

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant, Mme. Salleroi, Rose-Scented.

MISCELLANEOUS PLANTS

	2¼ IN. POT, PER 100
Alyssum { Giant Double and Dwarf Double, }	$2.00
Hardy English Ivy, - - - - -	2.00
Rooted Cuttings, Per 1,000. $5.00	.75
Swainsona Alba, - - - - -	2.00
Baby Primrose, - - - - - -	2.00
Lemon Verbena, - - - - -	2.50
Ageratum { Stella Gurney and Dwarf White }	2.00
Abutilon, in Variety, - - - -	2.50
Alternanthera, in Variety, - - -	2.00
Coleus, in Variety, - - - - -	2 00
Lantana, 10 Varieties, - - - -	2.00
Smilax, - - - - - - - -	2.00
Salvia, Silver Spot, - - - - -	2.00
Fuchsias in Variety, - - - - -	3.00
Forget-me-not, Large Flowering, Blue, from 2½ in. Pots - - -	3 00

CASH WITH ORDER.

See our full page advertisement in Christmas Number, December 6.

R. VINCENT, JR., & SON
White Marsh, Md.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

		Per 100	Per 1000
Heteranthe	Big lot ready now	$1.25	$10.00
Buchner		1 25	10 00
Viaud		2 00	15 00
Castellane		2 00	15.00
Perkins		2.00	15.00
Poitevine		2.00	15.00
Landry		2.00	15.00
Ricard		2.00	15.00
S. A. Nutt		1.25	10.00
Acteon, La Favorite, La Pilot, Bonnot and **Castris**		1.50	

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Bonnot, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Poitevine, $15.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS From Pots and Rooted Cuttings

Stocky, vigorous young plants, sent with all the roots, but little soil; starting without loss they are much cheaper than cuttings. M. Landry, S. A. Nutt, Bruanti, Modesty, Buchner, H. Charon, 8 other fine doubles and 8 newest double Ivies, $14.00 per 1000. Poitevine, Ricard, F. Perkins, J. Doyle, E. G. Hill, J. Cleary, G. Pierson, $16.00 per 1000. Le Soleil very best double scarlet, $2.50 per 100. M. Castellane, J. Viaud, Dryden, Mrs. Parker white eyed leaf, Bronze, Mme. Pollock, $2.00 per 100. Ask for price for large lots of S. A. Nutt and for Rooted Cuttings.

COLEUS, very brightest, and Queen, 60c. per 100.

PETUNIA, select large doubles from pots, $1.75 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Special Prices
ON
GERANIUMS

For the Next Two Weeks.

SEND FOR LIST.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

FREE GIFT

of 52 acres of the best of land to the buyer of recently added improvements thereon, at one-quarter less than the cost thereof. Said improvements consist, in part, of large steam heated dwelling, five good-sized well-built cottages, 30,000 feet of glass, big barns, silos, etc., etc. Located one mile from the great Cornell University and thriving city of Ithaca, N. Y. Lucrative well-established florist business only yet in its infancy. Present lessee would gladly lease the plant for a long term of years. Investors, home seekers, florists, here is your opportunity. For pictures of the place and further particulars, address

HENRY BOOL, Ithaca, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Nelson**	$4 00	$30 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	30 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Dorothy	1 25	10 00	**Marquis**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Roosevelt**	1 25	10 00
Estelle	4 00	30 00	**Mrs. L. Ine**	1 25	10 00
Crane	2 00	15 00	**Chicago (Red Bradt)**	2 00	15 00
America	1 25	10 00			

WHITE.

Flora Hill	1 25	10 00	**Murphy's White**	6 00	50 00
Queen Louise	2 00	15 00	**Norway**	1 25	10 00
Peru	1 25	10 00	**Bon Homme Richard**	1 25	10 00
White Cloud	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

Bradt	2 00	15 00	**Gaiety**	2 00	15 00
Prosperity	2 00	15 00	**Armazindy**	1 25	10 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Oil Fuel For Florists

when consumed in our burners means uniform heat, convenience, with less labor, positive security against frost and

REDUCTION OF FUEL BILLS

Our burners have been used in the Southwest for over a year with unvarying success. Although on the Eastern Market but a few weeks

Many Greenhousemen Are Now Using Them

and in every instance when used under their boilers declare them to be

SUPERIOR TO COAL

Write us for estimates, giving us the dimensions of your fire boxes and the name and style of your boilers.

NATIONAL FUEL EQUIPMENT CO.
11 Broadwav, New York.

Practical demonstration every day excepting Sundays, at
14 Stuyvesant Street, N. Y.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by an experienced maker-up and designer, in retail or wholesale store; New York City reference. Address A. O., care Florists' Exchange.

SITUATION wanted by a German, 30, single, as general greenhouse grower; carnations a specialty; 12 years' practical experience. A. G., 94 Division St., New York.

SITUATION wanted as nursery manager; can take entire charge if necessary. Outside work preferred, but understand accounting and office work. A. N., care Florists' Exchange.

GERMAN, single, 29, experienced greenhouse man, sober, industrious, willing to work, wishes situation. Please state wages when writing. A. Tesky, 53 South 4th St., Brooklyn, N. Y.

GERMAN, with 18 years' experience in general greenhouse work, wishes position with large commercial concern or private place; best of recommendations. Christian Scheerer, 235 East 94th St., New York.

SITUATION wanted to take charge, by experienced grower of roses, carnations, and general stock; middle-aged, married; sober and industrious. State particulars. Address A. M., Florist, Lyons Farms P. O., Union Co., N. J.

SITUATION wanted as working foreman; grower of roses, carnations, violets, chrysanthemums, bulbs and miscellaneous plants; 36 years' practical experience in England and United States; single; aged 50; English. Geo. H. Morris, Westfield, N. J.

YOUNG MAN, 29, German, florist and landscape gardener, would like a position as head gardener on private place, or a fair position on commercial place; understands the growing of vegetables in greenhouse and can show something about landscape work; also plant and cut flower growing. Best of references. State wages. Address A. R., care Florists' Exchange.

HELP WANTED

WANTED, general all-around seedsman; German, with family, preferred. Address A. T., care Florists' Exchange.

WANTED at once, single man to assist in greenhouses, understanding propagating preferred Henry Hugues, Hackensack, N. J.

WANTED Rose grower, to take charge of section of houses; wages, 50 per month for start and until ability as grower can be shown. Address A. M., care Florists' Exchange.

WANTED, travelling salesman; must be a man of experience; to sell nursery and florist stock to private trade. Good wages to right man. Address A. U., care Florists' Exchange.

SALESMEN WANTED—Gardeners and others who understand trees, shrubs and plants, to travel and solicit orders for our choice nursery stock. Steady employment and good pay. (Business established 1790.) Address Keene & Foulk, Bloodgood Nurseries, Flushing, L. I., N. Y.

WANTED, a young man or middle-aged man of first-class ability, clean and correct habits, as assistant foreman in commercial nursery. One who thoroughly understands general nursery work preferred. Address, stating wages and previous experience, A. K., care Florists' Exchange.

SEED SALESMAN—A thoroughly competent seed salesman wanted, one who can come well recommended and who understands working the dealer and market gardener. All communications strictly confidential. Address A. H., care Florists' Exchange.

WANTED

Landscape Architect and Superintendent for the Milwaukee Public Parks System. Must be man of good character, possess executive ability and be first-class in every respect. Give references and state salary expected. Address

THE BOARD OF PARK COMMISSIONERS
Milwaukee, Wis.

Mention the Florists' Exchange when writing.

Commercial Violet Culture.

Price, $1.50. Send for a copy.

The Florists' Exchange, P. O. Box 1697, N. Y.

HELP WANTED

WANTED

We have an opening in our Flower, Seed, Bulb and Plant Department, for a young, experienced man, possessed of ability and push. Apply, with references and salary expected, to A. SMITH, care Joseph Breck & Sons, Boston, Mass.

BUSINESS OPPORTUNITIES

OLD ESTABLISHED SEED STORE TO RENT in Wallabout Market, Brooklyn, N. Y., offering a good opportunity for a responsible man who is familiar with the market garden seed trade. Apply with full particulars to P. O. Box 1449, New York City.

FLORIST BUSINESS FOR SALE—Established over 30 years in the best location on Massachusetts Ave., North Cambridge, Mass. Well stocked with plants, etc., doing a good business. Selling on account of death of the owner. Apply to Mrs. W. A. Bock, 2388 Massachusetts Ave., North Cambridge, Mass.

FLORIST BUSINESS FOR SALE—Established 20 years in best location on Flatbush avenue, Park Slope; well stocked with plants, etc.,; doing good business; good chance for bright young man; can start to do business at once; good reasons for selling. Apply at 272 Fulton street, Brooklyn, N. Y.

A GROWER, desirably located, having conducted a most profitable business for some time, is now obliged to refuse good orders on account of lack of capital. Parties desiring to become jointly interested in a well-paying business that will yield excellent returns on an investment are requested to correspond with the National Florists' Board of Trade, New York.

FOR SALE—Old established florist business, 4¼ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FOR SALE—Rose establishment of the latest pattern, situated in a city of 100,000 inhabitants; one-half hour's ride from New York City by three railroads. Wholesale and retail trade in an abundance; 12,000 sq. ft. of glass; iron framed rose houses; steam heated automatically; fully equipped with the latest appliances. Boiler rooms, fire-proof, with extra boiler for steam pump; automatic steel boilers of the latest pattern. Sheds, 150 ft. in length. Two acres of land near two fine trolleys and ten minutes' walk from the center of the city. Water supply by city water, well in boiler room, tank in greenhouse or stream outside. Coal easy to get and plenty of it. Apply to A. Q., care Florists' Exchange.

For Sale In World's Fair City, retail flower store; good location; terms reasonable. For details write

ROBERT F. TESSON, Trustee,
4248 Olive Street, ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED, one thousand two-year quince trees, in assorted varieties. I. A. Barnes, 1918 Penna. Ave., N. W., Washington, D. C.

WANTED to correspond with party that will have a fair-sized place for rent, or lease, etc., by about June. Address, with full particulars, W. G. Kroeber, 35 Tremont St., New Bedford, Mass.

LEGAL NOTICES.

A. T. De La Mare Printing and Publishing Company, Limited.—The annual meeting of the stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane Street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the eighth day of January, 1903, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

J. H. Griffith, Secretary.
A. T. De La Mare, President.

A. T. De La Mare Printing and Publishing Company, Limited.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 1, 1903, at 12 o'clock noon, to January 9, 1903, at 12 o'clock noon.

Joseph Magill, Treasurer.
A. T. De La Mare, President.

Canadian Christmas Reports

MONTREAL.—The weather conditions on the day before Christmas were not such as to call for much enthusiasm although they might easily have been worse. The temperature was quite low enough to make the delivery of plants extremely risky. The average temperature for the day was about 10 above zero. As far as I have been able to learn, every florist suffered some loss through plants being frozen during delivery, but I have heard of no very serious trouble. In this connection the remarks of one of the florists is worth repeating. He said: "I have had several complaints of freezing this year, as usual, and I notice again that the majority of these complaints come from houses in the immediate vicinity. I make a practice, whenever possible, of personally examining the complaints, and in the great majority of cases I find that the trouble is with the buyers themselves. The principal cause is entire failure to water the plant; the consequence is that it soon droops, and 'frozen' is the verdict. Leaving the plants near an open window is another source of trouble. When this has been done, one side is usually badly frozen, while the other is practically unharmed. When we are in fault I replace the specimen immediately, and tender an apology. In this way we rarely lose a customer." This seems to fit the condition exactly. I made several inquiries at different firms, and nearly all the complaints were found to be in places where it would seem an impossibility that the plants should suffer damage; while others went several times as far without harm.

As in former years, the plant trade was the feature, and of the various popular things, azaleas stood first, with a preference for the colored varieties. The most popular price for these would be from: $2.50 to $5.00. Probably the most plants were sold at $3.00 to $3.50. There was a demand for larger specimens, but it was limited. Very few azaleas were left over, as the supply was short. The plants generally were below the average. Poinsettias in pans were next in favor; the most popular size in these sold at $2.00; dwarf plants, or shallow pans made up with plants grown in small pots, with good foliage, had the preference. Gloire de Lorraine begonia came next, and many were sold. Some very good plants were to be seen, and the public did not seem to be quite so much afraid of them this year as formerly. Here, again, $1.50 to $2.00 was the popular price. Cyclamen were much better and more numerous than in former years; plants that retailed for $1.00 to $1.75 sold well. Solanums were very plentiful and good, immense numbers were sold, and many were left unsold. This line is being much overdone. Very good plants could be bought for 50c to $1.00. Primulas were also plentiful, but the quality was generally very indifferent; about 50c. was the average price obtained. Lily of the valley was good and in better supply than usual, it sold slowly. Roman hyacinths were as numerous as ever, they moved quickest when the choicest of other lines was disposed of.

No new plants of merit were seen. There was this year a decided revival of the sale of decorative plants, such as palms and ferns, but this I put to the scarcity of really good flowering plants of the popular varieties. A few mixed flowering plants in baskets were seen; these sold readily. It would seem that more of these could be disposed of. Immense quantities of inferior holly were sold cheaply by different trades, hence the florists' business seemed to be confined to a few good customers, who desired a superior article. Mistletoe was very scarce.

The cut flower trade was one of surprises, the chief of which was the comparatively large demand for fine American Beauty roses, and the lack of demand for violets. It is probable that more than double the quantity of really fine American Beauty roses were sold here this Christmas than ever before. The price asked, and readily obtained for the highest grade of flowers, was $2.00 each, although $1.25 to $1.50 were the figures at which most flowers were sold. Liberty was exceedingly scarce, but much in demand. Bride and Bridesmaid were in smaller supply than formerly; these, when with stiff stems, fetched $4.00 to $5.00; a few went to $6.00; but the majority sold at $3.00 to $4.00. Supplies of the smaller varieties, such as Perle des Jardins, Sunset, etc., were limited; $3.00 to $4.00 was their limit price. In carnations, red kinds were the most popular, and the scarcest; $1.50 to $2.00 were the prices obtained. Mrs. Thomas W. Lawson came next in popular favor, and sold out at $1.50 to $2.00. For other varieties, $1.00 to $1.50 were the ruling rates. As before noticed, violets were a surprise. Formerly there has been no trouble in selling all the good flowers that could be obtained at Christmas. This year, owing to the very dark Fall, they were much scarcer than usual, and the price much higher. Even with the smaller supply, many were left over. Some attribute the lack of demand to the prices asked. They claim that the retail trade here won't pay $1.25 to $1.50 for a bunch of 25 violets, and unless the wholesale prices drop soon, the violet trade will suffer a severe check. Valley sold fairly well, as did mignonette, when good. Roman hyacinths and Paper White narcissus were, as usual, a drug. B.

OTTAWA.—Business during Christmas week was good, the weather not too cold to make delivery a risky undertaking. The trade was way ahead of former years, both in cut flowers and plants. Money seemed to be plentiful, and people willing to spend it. As usual, the demand increased for good-priced plants. The buying, or ordering, began earlier than usual, which was an advantage.

C. Scrim had an extra store for the sale of plants only, keeping his own store for cut flowers. He made a great showing of plant baskets, well decorated, and they all sold early at big prices; he also had a grand display of heaths in six and seven-inch pots, and, at last, the public bought them. The limited number of Begonia Gloire de Lorraine went the first day. Poinsettias, palms, primroses, cyclamen and azaleas sold well, and nothing but a few palms were left. Cut flowers sold out before night. R. Wright reports a large increase of business over last year. His specialty was cyclamen, of which he had 1,000 very fine plants, and they sold well at good prices. He reports disposing of a large batch of araucarias, which were prettily trimmed with scarlet ribbon. A feature of his cut flower trade was his American Beauty roses, of which he had a fine lot. He even sent one shipment of 50 to Toronto at $1.00 each. Graham Brothers report trade 50 per cent. ahead of last year. They had a grand lot of poinsettias, all of which sold. Azaleas, palms and primroses were cleaned out. In cut flowers they had a grand lot of chrysanthemums and violets and, like the others, a nice cut of carnations.

The price of plants was considerably higher than last year, and no one objected. Azaleas sold at from $1.50 to $5.00; poinsettias, 75c. and $1.00; primroses, 35c.; cyclamen, 50c. to $1.00; Jerusalem cherries, of which Scrim had a large stock, went at 50c. to $1.00; heath, 75c. to $1.50, palms, dracænas, araucarias, etc., at good prices. If anything went back, it was bulbous stock.

In cut flowers the supply was large, but not large enough, as was shown by the way in which people were running from one store to the other in the evening, you may say, begging for flowers, and finally were obliged to content themselves with a shop-worn plant. Carnations brought 75c. to $1.50, very few going below $1.00, Mrs. Lawson realizing $1.50. Roses were the least plentiful, and sold at from $2.00 to $3.50; American Beauty at $1.00 each. Violets were fairly plentiful, and realized $2.00 to $4.00. Chrysanthemums, of which there was a grand lot, brought from $2.00 to $3.00, mostly going at the latter figure; and W. H. Chadwick, H. W. Rieman and Golden Wedding were worth it. Lily of the valley and bulbous stock all went, and fetched fair prices.

The trade in green material was brisk, holly, with most, being sold out early.

Features of the trade were: The rush made for baskets of plants, Jerusalem cherries and Gloire de Lorraine begonias; the increased demand for plants decorated with ribbon and fancy paper pot-covers, as exemplified by Wright's cyclamen and araucarias, the usefulness of chrysanthemums at Christmas, as the demand for good ones seemed unlimited, the desire of the public for a better class and higher-priced plant, the good-natured way in which our patrons accept the high but legitimate prices of cut flowers. E.

HAMILTON.—On Tuesday, December 23, some of the market growers made a display on the Central Market; it was pretty chilly for their stock but not freezing and a good deal of cheap material was disposed of. The day before Christmas there was a light snow fall giving everything the proper seasonable aspect. Business was very brisk, considerably better than last year; in fact, the general opinion seems to be that there was an increase in the volume of trade of about 15 per cent. There was a clean-up of everything salable; flowers were picked and picked till nothing at all was left. What few chrysanthemums were left were decidedly slow until the day before Christmas, when they were all picked up. A weakening in the popularity of plants was looked for, but the demand was increased.

C. Mason is no longer in the business, and his usual fine lot of Chinese primroses was really missed.

Azaleas were all sold, even to plants with but two or three open flowers. Begonia Gloire de Lorraine was hardly in evidence, there was a very poor supply on hand.

I noticed no effort on the part of the storemen in the way of decorating plants with ribbons or Porto Rico matting. The sale of palms, araucarias and other plants without flowers could without doubt be very largely increased and proportionately better prices obtained if tastefully prepared. All kinds of green and holly wreaths are paid but little attention to by the storemen; a large demand would quickly be found for such goods if it were catered to. Almost all the holly and wreathing that comes to town now is handled by the department stores, or given away by the grocers. Here is work for the Florists' Club.

The weather was at no time too cold for the safe delivery of goods, and the Christmas trade was the largest and best that has been experienced here yet.

There is a pinch for all kinds of coal; even soft coal is getting scarce. Some dealers are selling in half ton lots only, and some of the growers are considerably bothered.

J. H. Stevens, representing J. A. Simmers, was making acquaintance with the trade last week. BEAVER.

LONDON.—Now that the rush is over we can size up the situation, and reflect on the possibilities and probabilities for future operations. At every holiday season some lessons are taught which, if heeded and put to practical use, are of most essential benefit. Again it has been demonstrated that there is an almost unlimited demand for first-class flowering plants, as well as cut blooms, and to those who keep in mind that it is quality, rather than quantity, that is sought, so will their bank account swell, with their ability to keep at the top and to meet the ever increasing demand for an A1 article.

On nearly all plants and cut flowers offered there was an advance of a satisfactory percentage over prices obtained last year, while the total increase in business would average about 30 per cent. The weather, up to noon on Wednesday, was all that could be asked for; then a snowstorm set in and made it very disagreeable. At night it turned cold, and a few losses from plants frozen while delivering are reported.

The wreck on the Grand Trunk Railroad when 28 were killed and over 30 badly injured, happened only a few miles west of London, and cast a gloom over the city Saturday and Sunday.

There has been a large amount of funeral work of late, and with the short condition of the market it has been difficult to meet the demand. G.

FREDERICKTON, N. B.—The weather during the past holidays being seasonable, trade in cut flowers was good, especially in carnations and smilax. These were of fine quality, and there was an extra large stock of them, which met all demands. Sales were better than last year's, carnations brought 75c. a dozen, smilax, 25c. per string five feet in length. The next best selling stock was roses, Bride, Bridesmaid and Perle des Jardins bringing $2.00 per dozen, a few sold for $1.50. Of violets, lily of the valley and Paper White narcissus there was but a limited quantity sold; freesia realized 50c per dozen.

In plants, azaleas, Begonia Gloire de Lorraine, cyclamen, white Roman hyacinths in pans, and poinsettias were offered. Of these, cyclamen sold best. Potted primroses also went well; the Chinese and P. obconica at 25c. each. Poinsettias were much admired for church decorations, and sold for 50c. each. For decorative plants there was scarcely any call. Holly is increasing in demand each year, and quick sales are made. Very little mistletoe was used. A dinner decoration, and funeral work, helped to make us extra busy. Altogether, Christmas trade was quite satisfactory; stock was better, and prices somewhat higher.

J. BEBBINGTON & SON

Canadian Cut Flower Prices.

MONTREAL.—American Beauty, fancy special, sold at $100.00 to $125.00; extra, $75.00 to $90.00; No. 1, $50.00; Bride and Bridesmaid, $15.00; Golden Gate, $15.00; Liberty, $15.00; Meteor, $15.00; Perle des Jardins, $10.00 to $15.00; carnations, white and pink, $8.00; red, $12.00; hyacinths, $3.00; lily of the valley, $4.00 to $5.00; pansies, $3.00; smilax, $20.00 to $25.00; violets, $2.00 to $2.50.

HAMILTON, ONT.—Bride and Bridesmaid, $10.00 to $12.00; Liberty, [illegible] to $15.00; Perle des Jardins, $10.00 to $12.00; carnations, inferior grades, $2.00 to $3.00; standard varieties, $4.00; adiantum, $1.00 to $2.00; callas, $10.00 to $15.00; smilax, $15.00 to $20.00; violets, $2.00 to $2.50. The market is decidedly slow since the holidays. New Year's trade was as usual light except for cut stock, and in this line the general shortness prevented much activity. There is a likelihood of prices remaining about the same for some weeks unless some very fine weather comes this way. BEAVER.

LONDON, ONT.—Bride and Bridesmaid, $10.00 to $15.00; Golden Gate, $10.00 to $15.00; carnations, standard varieties, $4.00 to $6.00; fancy, $8.00; chrysanthemums, $15.00; hyacinths, $4.00; lily of the valley, $3.00 to $4.00; smilax, $15.00; violets, $2.00; begonia Gloire de Lorraine, $75.00 to $100.00; azaleas, $9.00 to $12.00 per dozen; cyclamen, $5.00 to $10.00 per dozen.

Roses are improving but the supply is still short. Carnations are of good quality, but short in supply; violets, very short.

COLEUS. Rooted Cuttings of the ten best, brightest and fancy sorts, including Verschaffeltii, Golden Bedder and Victoria, 50c. per 100 by mail, postage paid; $4.25 per 1000 by express. Cash with order. **ATLANTIC COAST NURSERIES,** Office, 606 4th Ave., **Asbury Park, N. J.**
Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI
SEEDLINGS. From flats, ready to pot; $1.00 per 100; $7.50 per 1000.
FIELD-GROWN. Extra strong. These plants are making new top and root growths. If potted now, will be fine for Easter. Plants large enough for 4 and 5-inch pots or pans, $3.00 and $5.00 per 100, respectively.
ADIANTUM CAPILLUS VENERIS. The best for fern dishes. Bushy 2½-inch pot plants, $3.00 per 100.
CHINESE PRIMROSES. Select strain. READING SCARLET, best of its color. LIGHT ROSE PINK, no trace of magenta. Large plants from 3-inch pots, in bud and bloom, $4.00 per 100.
CINERARIA STELLATA. Good for pot displays or cutting. Extra strong, from 3-inch pots, $4.00 per 100.
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.

New Pink Carnation
SUCCESS
The most prolific Carnation in America. Flowers large, stiff-stemmed and well formed. Grown side by side with equal number of Mrs. Joost under similar conditions, Success produced nearly 35 per cent. more perfect flowers than did Mrs. Joost and blooms much larger. Descriptive circular on application. Rooted Cuttings $1.50 per doz., $2.50 per 25, $8.00 per 100, $70.00 per 1000. Orders filled in strict rotation.
JOHN C. SHOLL,
Dept. C. BURLINGTON, N. J.
Mention the Florists' Exchange when writing.

Second-Hand Wrought Iron Pipe
Threaded and blackened, 2 in., 8c. per ft.; 1½ in., 5½c. per ft.; 1¼ in., 4½c. per ft.; 1 in., 3¼c. per ft. **One No. 17 Hitchings Boiler,** in good condition, $55.00; **one No. 5 Scollay Boiler,** good condition, $40.00; **200 Boxes New Imported Glass,** 10x12, 12x24, 10x16, 10x32, $2.90 per box; **500 Hotbed Sash,** new, direct from factory, 3 rows, 10 in. glass, $1.65 each; **New 5-Ply Hose,** ¾ inch, 5½c. per ft.; **Chrysanthemums,** stock plants, 20 vars., $2.50 per 100. **Geranium Cuttings,** 10 vars., $11.00 per 1000. **1000 Cases Holly,** well berried, $3.25 per case. Also **Tools, Machinery, Windmills** and **Water Pumping Engines** and **Lumber.** Cash with order, please.
We buy and take down Greenhouse Establishments.
Manhattan Supply Company, 29 Park St., New York
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DWARF BOSTON FERNS
6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.
Adiantum Cuneatum, 4-in. pots.................$2.00 per doz.; $15.00 per 100
Asparagus Sprengeri, 5-in. pots.................2.00 " 15.00 "
EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.
Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS
$6.00 PER 100.
J. GAMMAGE & SONS, London, Ont.
Mention the Florists' Exchange when writing.

THOSE EMPTY BENCHES.
The result of holiday trade are neither ornamental nor profitable. Fill them up.
Deutzia Gracilis, bushy plants 15 to 18 inches high, just right for Easter, [illegible] per 100.
Coleus, rooted cuttings, fine assortment of best named kinds, 60c. per 100, $5.00 per 1000.
Ferns. Pteris magnifica, [illegible] per 100. Cyrtomium falcatum, $4.50 per 100.
Vinca Var., clumps, for propagating 60c. per 10.
WEBSTER BROS., Plantsmen, HAMILTON, CANADA.
Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI, $3.00 per 100; $25.00 per 1000.
2½ x 3½ inch pots.
Strong, well-established plants; splendid value.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

Kentia Belmoreana

Fine plants, 7 and 8 in. pots; 7 leaves; 42 to 60 in. high, $50.00 per doz.

Asparagus Plumosus Nanus.
5-in pots; strong plants, $25.00 per 100.

Asparagus Sprengeri.
5-in pots; strong bushy plants, $25.00 per 100.

P. J. BURGEVIN, Port Chester, N. Y.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana**, 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants.

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FERNS

OUR SPECIALTY

If you are in the market for Ferns and want the best, give us a trial order. Owing to the steadily increasing demand for our stock we have added another large range of greenhouses to our establishment and can offer the best stock of Ferns ever produced in unlimited quantities at comparatively low figures.

ASSORTED FERNS For jardinieres in fifteen of the leading varieties, good stocky plants, from 2¼ in. pots, sample free, at $3.50 per 100: $30.00 per 1000.

	100	1000
Adiantum cuneatum, 4 in. plants.	$15 00	$140 00
" " 5 in. " ...	25 00	235 00

500 at 1000 rates.

TELEPHONE CALL—29 I.

Anderson & Christenson, Short Hills, N. J.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Areca Lutescens, 3 plants in a pot, 3, 4, 5, 6 in., $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.
Kentia Belmoreana and **Forsteriana**, extra clean and well grown plants, 2½, 3, 4 and 5 in., $8.00, $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Boston Fern, $4.00, $8.00, $15.00 and $30.00 per 100 for 2, 3, 4 and 5 in.
Asparagus Plumosus, 2 in., $5.00; 3 in., $8.00.
Sprengeri, 2 in., $3.00; 3 in., $5.00 per 100.
Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Chinese Primroses, 3 in., $5.00 per 100; 4 in., $8.00 per 100.
Campbell Violets, 3 in., $4.00 per 100.
Vinca Var., 3 in., $4.00 per 100.

CUT RATE ON

GERANIUM CUTTINGS

Single Gen. Grant, 75c. per 100. Double Gen. Grant, S. A. Nutt, La Favorite and Bonnot, $1.00 per 100. Ricard, Jaulin, Poitevine, Mrs. E. G. Hill Frances Perkins, $1.25 per 100.

CASH OR C. O. D.

GEO. M. EMMANS,
NEWTON, N. J.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

FERNS Best varieties, from 2½ in., $2.50 per 100; from 3 in., $3.00 per 100; from 4 in., $8.00 per 100.
Primula Obconica, 4 in., $5.00 per 100.
Cineraria Stellata, 4 in., $5.00 per 100.
Myosotis, Winter-flowering, true, from 3 in., $2.50 per 100.
Bougainvillea, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz. Cash with order.
Ficus Elastica (Rubber), 5 and 6 in., "fine," $4.00 to $6.00 per doz., as to size.

JNO. G. EISELE. Philadelphia, Pa
20th and Ontario Sts.

Mention the Florists' Exchange when writing.

BOSTON SWORD FERNS

Out of Bench, ready for 3 inch pots, $3.00 per 100
" " " " 4 " " 6.00 "

NEPHROLEPIS WITTBOLDI Out of Bench, 5 in., 35c.; 6 in., 50c. each
Cash with order.

Henry H. Barrows & Son, Whitman, Mass.
High Street

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FLORISTS' FLORISTS' ORCHIDS ORCHIDS

The finest varieties for cutting purposes.
Largest Growers and Importers in the world.

SANDER St. Albans, ENGLAND. Bruges, BELGIUM.
Agent, A. DIMMOCK, 60 Vesey St., New York City

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

The New Fern, "ANNA FOSTER."

The most beautiful fern yet introduced. Quick seller, very prolific; prices very low. 2½ in., $10; 3 in., $20; 4 in., $35; 5 in., $50; 6 in., $100, per 100.

Fine Kentias, $50, $75, $100, per 100.

Ficus, 5 in., 18 in., well furnished, $4.00 per doz.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived in perfect condition, the rare **Lælia Elegans** and **Cattleya Intermedia.** Write for particulars.

LAGER & HURRELL, Summit, New Jersey
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

ERICAS

Young stock cheap if you want to grow your own plants for next season.

Cut Blooms of **Lily of the Valley**, $3.00 per 100; in bloom now. **Tulips, Hyacinths** and **Azaleas** at all prices and sizes. **Lilacs, Ericas, Bougainvilleas.** Write for Catalogue.

A. SCHULTHEIS,
Box 78, **College Point, Queens Borough, N. Y.**

Mention the Florists' Exchange when writing.

PALMS

Home-Grown, Fine, Clean Stock, Grown Cool.

SEND FOR PRICE LIST.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

FERNS.

	100	1000
Pteris Serrulata.		
" **Wimsetti**, 2½ in.	$2 50	$20 00
Boston Ferus, 2½ in	3 00	25 00
Pothos Aurea, 2½ in.	3 00	
Salvia, 2½ in.	2 50	
Lopezia Rosea, 2½ in.	2 50	
Rose Geraniums, 2½ in pots	2 50	
Peppermint Geraniums, 2½ in. pots	4 00	
Ageratum, three kinds, 2½ in. pots	2 50	
Hardy English Violets, 2½ in. pots	4 00	
Marie Louise Violets, 2½ in. pots	3 00	
Asparagus Plumosus, 2½ in.	3 00	
" " 3 in.	6 00	
" " 6 in.	20 00	
" **Sprengeri** 2½ in.	2 50	
" " 3 in.	4 00	

Boston Ferns, 8 in. pans, fine plants, $1.00 each,

Let us quote you on young rose stock
Please send us your list.

NATIONAL PLANT CO., DAYTON, OHIO.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I make a specialty of **NEPHROLEPIS EXALTATA BOSTONIENSIS.** Small plants, $5.00 per 100; $40.00 per 1000. Larger plants, $15.00 per 100.

ALSO A FINE LOT OF

Kentias, Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $18.00 per 100; 3½ in. pots, $15.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.
Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.
Cycas, 50 cts. to $2.50 each.
Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $4.50 per doz.; $35.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

FERNS

4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana**, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

JOHN BADER, Troy Hill, Allegheny City, Pa.
L. D. Telephone 872a.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION

Now on press. Write for particulars

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Decorative Palms

Araucarias, Ficus, Bay Trees
And smaller size Palms for Spring shipment.
Carefully grown and packed by

HAERENS BROS., Somergem, Belgium
SOLE AGENTS:
AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

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WHITE CARNATION MARION.

Business all the year around.

ROOTED CUTTINGS, January 15th and after; $5.50 per 100; $45.00 per 1,000.

PIPS OF DORA, now at $2.00 per 100. Cash with order.

ISAAC A. PASSMORE, Westchester, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS. Correspondence solicited with those who are in need of First-Class Healthy **Rooted Carnation Cuttings.** Let us know your needs and quote prices.

UNION STREET GREENHOUSE CO.,
Geneva, N. Y.

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing.

Carnation Cuttings

READY FOR IMMEDIATE DELIVERY.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	4.00	35.00

Also **Roosevelt, Higinbotham, Palmer, Prosperity, Morning Glory and Mrs. Lawson.**

WRITE FOR PRICES.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Ethel Crocker, $10.00 per 1000

Dorothy
Cressbrook
Queen Louise
Lorna
Apollo
Adonis
Prosperity
Gaiety
Nelson
Enquirer
Alba
Her Majesty
Estelle
Morning Glory
Roosevelt
Mrs. Higinbotham

Let me estimate on your orders, and please state how many of each variety will be wanted and when they are to be delivered.

ALBERT M. HERR, Lancaster, Pa.

GOVERNOR LOWNDES

Color, pure White.

Size, 3 to 3½ inches in diameter.

Calyx, spreading at the top, making it practically non-bursting.

Form, the lower or guard petals stand out straight, retaining the full size of bloom. Petals slightly serrated and beautifully arranged, forcing a full rounded center.

Odor is very sweet and particularly pleasing.

Stem, 19 inches to 2½ feet during the season, and always strong enough to carry the large flower erect

Habit, strong and vigorous; thrives well and grows rapidly. Transplants readily and comes into bloom early, and is not a cropper. It will stand closer planting than most varieties.

Productiveness, extremely free flowering. More productive than any other large white. A profitable and high-grade commercial variety.

Price, $2.50 per doz.; $12.00 per 100; $100 per 1000.
50 at 100 rate; 500 at 1000 rate.

H. WEBER & SONS, Oakland, Md.
GROWERS AND ORIGINATORS OF NEW CARNATIONS.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3.00
6 in. "	"	5.00
6 in. " strong	"	6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz.,	$1.50
4 in. " extra select	"	2.00

FERN BALLS

Furnished with leaves .... per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties .... per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS Now Ready

We can ship **at once** well-rooted cuttings of the following varieties, **Free from Disease** and **First-Class** in every respect. **NONE BETTER** and seldom equaled, and if not found satisfactory you have the privilege of returning all cuttings:

WRITE FOR QUOTATIONS AND CATALOGUE.

Mrs. Thos. W. Lawson, Golden Beauty, Governor Roosevelt, Governor Wolcott Apollo, Harry Fenn, E. A. Nelson, Morning Glory, Dorothy Whitney, Estelle, Queen Louise, Prosperity, White Cloud, Stella, Guardian Angel, Mrs. Potter Palmer, Lorna, Mrs. Higinbotham, Gaiety, J. H. Manley, Dorothy, Viola Allen, Mrs. F. Joost, The Marquis, G. H. Crane, Enquirer, Cressbrook.

J. D. THOMPSON CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

Murphy's White Carnation

Rooted Cuttings, $6.00 per 100; $50.00 per 1000; 10,000 lots, $40.00 per 1000.
Cut blooms of Carnations in quantity.

WILLIAM MURPHY, 130 E. 3d St. CINCINNATI, OHIO.
L. D. 'Phone, 4411 Main.
J. GAMMAGE & SONS, LONDON, ONTARIO, Canadian Agents.

Mention the Florists' Exchange when writing.

Unrooted Carnation Cuttings

Gaiety, Fair Maid, Oriole, Challenger, Sylvia and Cressbrook, at $2.00 per 100; $15.00 per 1000. Queen Louise, Norway, Goodenough, Mrs. Lawson, Prosperity, Dorothy, Lorna and Gov. Roosevelt, $1.50 per 100; $12.00 per 1000. The Marquis, Daybreak, Ethel Crocker, Eldorado and Flora Hill, $1.00 per 100; $7.50 per 1000. These prices are for first-class cuttings, free from all diseases.

Carnation Cut Blooms, fancy, $2.00 per 100.

UTICA FLORAL CO., Utica N. Y.

Mention the Florists' Exchange when writing.

Chicago Carnation Co.

JOLIET, ILL.

Mention the Florists' Exchange when writing.

FREE **FREE**

from disease, strong, early struck cuttings. Now ready.

	Per 100		Per 100
Gov. Wolcott	$5 00	Prosperity	$4.00
Mrs. E. A. Nelson	5.00	Morning Glory	2.00
Cressbrook	5.00	The Marquis	2.00
Lorna	3.00	G. H. Crane	2.00
Queen Louise	3.00	Mrs. Joost	2.00

Flora Hill........$1.50

Cash or C.O.D.

W. A. ROWLANDS, WHITESBORO, N. Y.

Mention the Florists' Exchange when writing.

20,000 ROOTED CUTTINGS NOW READY

OF

Lawson, Norway, Crane, Melba, Gomez, Joost. Crocker, Hill, Lord, Scott and Alaska.

Will be pleased to quote prices on other standard varieties for later delivery.

ST. LOUIS CARNATION CO.,
CLAYTON MO., R R. No 1.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

	Per 100	Per 1000		Per 100	Per 1000
Nelson,	$6.00	$50.00	Elma,	3.00	25.00
Wolcott,	6.00	50.00	G. H. Crane,	3.00	25.00
Apollo,	6.00	50.00	Mrs. Bradt,	2.50	20.00
Alba,	6.00	50.00	Lorna,	2.50	20.00
Gaiety,	6.00	50.00	Norway,	2.50	20.00
Cressbrook,	6.00	50.00	Gen. Gomez,	2.00	17.50
Stella,	6.00	50.00	Gen. Maceo,	2.00	17.50
Estelle,	4.00	35.00	Morning Glory,	2.00	17.50
Prosperity,	4.00	35.00	Glacier,	2.00	17.50
Dorothy,	3.00	25.00	The Marquis,	2.00	17.50
Roosevelt,	3.00	25.00	White Cloud,	1.50	12.00
Mrs. Lawson,	3.00	25.00	Triumph,	1.00	8.00
Mrs. Joost,	1.50	12.00			

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings of the two great paying Summer bloomers, Queen Louise, best white, Ethel Crocker, best pink, $1.25 per 100, postpaid. $10.00 per 1000, by express.

75,000 DAHLIAS

Fine Whole Field-Grown Roots.

If you need Dahlias write us. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100	Per 1000
Cressbrook -	$5.00	$40.00
Challenger -	5.00	40.00
Fair Maid -	6.00	50.00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON,
Fall River, Mass.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

NEW

Fancy Carnation

"TIGER"

Color: **Orange**, striped pink.
Effect: That of **Sunrise Rose**.
Size: 2½x3½ inches in diameter.
Calyx: Very strong, seldom splits.
Type: Of Major Pingree.
Habit: Stiff, no support necessary.
Notes: Foliage darkest green, an early and continuous free bloomer.
Won prizes at Kansas City, New York and Baltimore this Fall.

BE YOUR OWN JUDGE: Sample ½ dozen blooms for 50c. prepaid, anywhere in the U. S. Blooms travel 1000 miles and reach you in good condition. You may deduct your 50c. from your first order. Clubs furnished free with blooms on request.

12 for $1.50; $10 per 100; $75 per 1000.
25 at 100 rates; 250 at 1000 rates.

Ready January 1st, 1903.

J. D. Thompson Carnation Co., Joliet, Ill.
Western Agents.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings

of Mrs. Fisher, for summer blooming ready now, $8.00 per 1000.

Cash with Order.

G. F. NEIPP, Aqueduct, Woodhaven P.O. N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerly, R. I.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD,
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price **$10.00 per 100; $75.00 per 1000.**

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS 344,000 Ready Now

1000 California Rooted Cuttings are worth 2000 Eastern Rooted Cuttings.

	Per Doz.	Per 100	Per 1000
Gov. Wolcott, white	$0 60	$4 00	$35 00
Alba, white	60	4 00	35 00
Golden Beauty, yellow	60	4 00	35 00
Violiana, variegated—very nice	1 25	9 00	75 00
Mrs. Palmer, scarlet	60	4 00	35 00
Mrs. Higinbotham, light pink	60	4 00	35 00
J. H. Manley, scarlet	60	4 00	35 00
Viola Allen, variegated	60	4 00	35 00
Gaiety, fine variegated	60	4 00	35 00
Harry Fenn, crimson	60	4 00	35 00
Apollo, scarlet	60	4 00	35 00
Dorothy Whitney, yellow	65	4 50	40 00
Stella, Dorner's variegated	60	4 00	35 00
Corbett, salmon	40	3 00	25 00
Dorothy, pink	40	2 50	15 00
Chicot, white	50	3 00	25 00
Prosperity, white-splashed pink	35	2 50	20 00
Norway, white	30	1 50	10 00

	Per Doz.	Per 100	Per 1000
Governor Roosevelt, maroon	$0 35	$2 00	$15 00
Lorna, white	30	1 50	10 00
Gold Nugget, yellow	30	2 00	15 00
Mrs. Lawson, pink	30	2 00	15 00
Bon Homme Richard, white	30	2 00	15 00
Egypt, maroon	30	2 00	15 00
Queen Louise, white	30	2 00	15 00
G. H. Crane, scarlet	15	1 00	10 00
Genevieve Lord, light pink	15	1 00	10 00
Evanston, red	15	1 00	8 00
Tidal Wave, pink	15	1 00	8 00
Mrs. F. Joost, pink	15	1 00	10 00
Mermaid, salmon, fine	15	1 00	7 00
Portia, scarlet	15	1 00	10 00
Wm. Scott, pink	15	1 00	7 00
Argyle, pink	15	1 00	7 00
El Dorado, yellow	15	1 00	7 00
General Maceo, maroon	15	1 00	10 00

Write for prices on large lots. 6 at 12 rates. 25 at 100 rates. 250 at 1000 rates.

Terms, SPOT CASH, prepaid to your city at above prices. All rooted cuttings sold under express conditions that if not satisfactory on arrival, return immediately, when money will be refunded.

CALIFORNIA CARNATION CO., Loomis, Cal.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.

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For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
Briefs for Busy Florists 4
Canadian Christmas Reports 9
Carnation Enchantress 12
Chrysanthemum Society of America. 12
Chrysanthemum Review of Work, 1902 14
Coal, Let us Have Free Entry 12
Coal, Substitutes for 23
Express Companies, The 12
Ficus Leaves, Damaged 13
Market, Review of The 16
Nursery Department 5
OBITUARY:
  J. S. Murray, C. W. Conahy 12
Palms, Brown Scale on (Illus.) 6
Plant Depredations and Plant Culture 15
Seed Trade Report 4
Smith, Elmer D., Chrysanthemist .. 12
Store of Alex. McConnell, at Christmas (Illus.) 15
TRADE NOTES:
  Chicago, New York 13
  Cleveland, Indianapolis, Philadelphia 18
  Boston, New Haven, Conn., Providence 20
  Kalamazoo, Orange, Syracuse 21

The death is announced of M. Millardet at the age of sixty-four years. He was a Professor in the Faculty of Science at Bordeaux, France, and was the first to bring the now well-known fungicide Bordeaux mixture into notice.

Dr. Prior, the author of the "Popular Names of British Plants," and other valuable works, died December 8 last in his ninety-fourth year.

Scarcity of Coal in New Jersey.

The difficulty of procuring coal is being felt by many of the growers in the vicinity of Summit, Chatham, etc. Gates Bros., Summit, had to close up all their houses except six. This means a whole year's labor and expense lost. Others are hardly able to keep the frost out, and if more coal is not forthcoming very shortly the loss will be very severe on a great many men throughout this entire section.

INO.

Let Us Have Free Entry Coal.

As the Winter advances it is very evident that serious damage and loss will accrue to many in this trade through the prevailing inadequate supply of fuel; in fact, reports have already reached us that several greenhouse men have been compelled to partially or wholly suspend operations owing to inability to secure the needed heating material, or to pay the grossly exaggerated price in so many cases demanded.

Isolated action on the part of those suffering from precarious supplies is not as likely to bring relief as might united action on the part of the club or society to which the sufferer belongs.

We are confronted with a situation calling for leaders and for aggressive action. Carloads of coal might be obtained direct from the mines where tons cannot be bought locally. The florists' clubs and associations even at this late hour could and should take this matter up on behalf of members exposed to risk of grave disaster.

Relief is not likely soon to ensue as coal will be short until next June at earliest, but meantime should our florists' societies, national and others, remain quiescent under the circumstances? A committee on the subject was appointed at the Asheville Convention of the S. A. F. O. H. "to consult with the Executive Committee . . . and then to take such action as in their wisdom may seem proper in the premises." That was nearly five months ago; and so far as is known, no attempt of any kind has been made to strike for relief. Surely the efforts of the S. A. F. should not be limited to speech-making. The cause even then seemed urgent enough for immediate effort, and the perfect quietude of the Executive Committee and the committee in question seems inexplicable. It may have been thought that any endeavor of whatsoever kind would prove but futile; yet a body of determined men with a righteous cause can accomplish much, and it is worth while letting the world know how heavily the coal condition sits upon us, and that we have an association or associations alert to our interests when circumstances arise that threaten ruin to so many of our own friends and coworkers.

Another cause for discomfiture is that the "coal situation" is being advanced as a reason for non-payment of bills. Unscrupulous men may not fail to advance this as a reason for withholding money due; yet, from many, this cry will be perfectly justified.

The isolated location, too, of many of our growers is against their speedy relief, and intensifies their trouble. Now has a crucial time arrived where our affiliated trade bodies could work together for good. And, irrespective of parties and politics, we want free entry coal.

Subscribers and correspondents are requested to keep The Florists' Exchange promptly informed as to those compelled to suspend operations from lack of coal in order that all may know how widespread is the derangement of business. Several cases have already been reported, more appear in this issue, and scores of establishments not yet recorded are in daily danger of having to close up.

Copyright for a New Rose Refused.

The New York Times, in its editorial column for Friday, January 2. 1903, comments as follows: "The Patent Office has done itself credit by refusing to issue a copyright for a new flower, if it be a new flower, under the name of the "Roosevelt rose," when it appears that that is not the name of the inventor and patentee, but of the President of the United States, when it does not appear that the rightful wearer of the name, whose position and popularity have undoubtedly caused the patentee to give it that name, has given his consent to such use of his name. Without such consent, the Patent Office holds, the use of the name is an impertinence to which it will not lend official sanction.

"Without question this decision is in the interest of decency and civilization. But in this State, it seems, there is nothing to prevent any inventor or any dealer from making any use he chooses of the names, or even of the representations, either of public characters or of private characters, which he thinks will promote the sale of his wares."

The Express Companies.

Editor Florists' Exchange:

There is a simultaneous kick from all sections of the country against the exorbitant express charges of cut flowers. All the florists and gardeners in the country should unite to fight a united monopoly, and fight for retaliation for a parcels post similar to that of Great Britain. Let every one interested in the growing or buying of flowers make a two-cent kick by mail every month to their Congressman and Senator. If everybody would do that, perhaps the politicians who want to continue in Washington will eventually give some consideration to the feasibility of establishing a parcels post, as well as to the Post check currency. Every week I have a small sum to send somewhere, and it puts me to considerable inconvenience at times to make a trip to town to buy a post-office order.

These are vital questions to the general trade, and all should make it a point to unite and agitate this express business all the time.

VIRGINIAN.

Editor Florists' Exchange:

The action of the express companies in increasing the rate on cut flowers 50 per cent. calls for a vigorous protest. A meeting of a number of New York and New Jersey growers was held recently in New York City to consider as to the best method of protesting against this arbitrary and unjust advance. Cut flowers have always been classed at first-class, for which consignors have always paid the highest rates. This makes the action of the companies especially outrageous and imposes altogether too much of a burden on the trade. It would seem that the managers of the express companies have acted without due consideration, and it is believed that if the florists of the country will wake up and vigorously and unitedly protest against this action, the old rates will shortly be restored. It is thought that the best way to accomplish results will be for every interested party—grower, retailer and commission man—to write at once to the superintendent of his express company, protesting against the advanced rate. Every Florists' club in the country should, at its next meeting, pass strong resolutions condemning the advance and requesting that the old rate be restored. Copies of these resolutions should be sent at once to the superintendents of the various express companies and to John N. May, 55 and 57 West 26th street, New York City. Individuals should also mail protests to Mr. May as well as to the companies. In this way a mass of protests can be gathered together that will be used where they will have the most force.

This is a matter of importance to the trade. The increase in rates will cost the florists of the country many thousands of dollars annually. Don't delay. Write the protests at once and mail them as requested.

It should be remembered that almost all growers deliver their goods at the railroad stations and, in many cases, load them on the cars, saving the company the cost of collecting and handling at the point of shipment. This business is regular, every day in the year, and, it would seem, should have an especially low rate, instead of the outrageously high figure which rules at present.

G. W. H.

Editor Florists' Exchange:

Just a word about your note regarding express rates. All of the increased rates, but those on "cut flowers," have been repealed. Why? Because the shippers made a determined and united "kick." Let the florists profit by this.

A. A. YOUNG, JR.

Carnation Enchantress.

Editor Florists' Exchange:

We notice in your issue of December 20 that you state, "The J. D. Thompson Carnation Co. state that they have sold, up to date, 50,000 rooted cuttings of Enchantress; and the stock has given much satisfaction to purchasers." This is an error, and we wish you would correct same to read: "They have delivered up to date," as our sales are over 275,000, and our limit 400,000 from 18,000 plants to work with.

J. D. THOMPSON CARNATION CO.

Elmer D. Smith, Chrysanthemist.

The Evening News, of Detroit, Mich., contains an appreciative article on the subject of Elmer D. Smith, of Adrian, Mich., and his work among chrysanthemums. A portrait of Mr. Smith, and an illustration of the variety F. J. Taggart accompany the article. This successful grower is styled by the Evening News the "Chrysanthemum King;" and the following bit of interesting history is furnished: "While yet a young man, he is a veteran in the ranks of the florists. As a freckle-faced boy in his teens, Smith used to watch the boys of the Adrian College football team go by the greenhouses with their chrysanthemum hair waving in the breeze. Perhaps that gave him visions of propagating chrysanthemums—at any rate he immediately got the proper gait. His advancement in that field has been gradual but sure. The active hybridizing of chrysanthemums began in dead earnest in 1888. The first seedlings from the Smith greenhouses were exhibited for premiums in 1890. As far as the number of new varieties goes, he has been excelled—but never in the quality. The fruits of Elmer Smith's untiring efforts have been exhibited in all the large cities of the country in the last dozen years. He has competed both East and West in all the big flower shows, and has always bagged a whole lot of money and gold medals. The largest three premiums that have been awarded seedlings in this country have been awarded Mr. Smith. The first was in Cincinnati, for 'Niveus,' $150 cash, and a $50 gold medal. The second was last year in Kansas City for 'Convention Hall,' $200 cash. The present year for the new variety, 'F. J. Taggart,' he received $150 and a gold medal at Kansas City. His products are shipped all over the globe. Shipments of plants to Australia, New Zealand and European countries are a very common occurrence.

"For several years Mr. Smith was secretary of the Chrysanthemum Society of America. He is associated in business with his sturdy father, Nathan Smith, who, although accounted a silent partner, and nearing his ninetieth year, takes a lively interest in the fame of his son."

Chrysanthemum Society of America

Editor Florists' Exchange:

Acting according to the new rule passed at the recent meeting of the C. S. A., held in Chicago, we deemed it advisable to withhold the scores of sports which were exhibited before the committees, with the exception of Yellow Eaton, as the owners of that variety have complied with said rule, it having been exhibited before three committees.

EDWIN LONSDALE,
Secretary.

Obituary

J. S. Murray.

J. S. Murray, the oldest and pioneer florist of Montreal, died Wednesday last after a long illness. About two years ago he was taken with a stroke of paralysis, and another stroke took him off. The sympathy of all in the trade will be with his daughter, who has so long and ably managed his business. Deceased was 69 years of age.

C. W. McConahy.

Charles Wesley McConahy, of Van Wert, O., died suddenly of heart disease November 21 last. He had been in the florist business a little more than two years and was very successful. He was thirty-five years of age and leaves a widow, parents, brother and sisters, and a host of friends to mourn their loss. He was a member of the M. E. Church, of the Knights of Pythias, and of the Royal Arcanum.

Damaged Ficus Leaves.

The leaves of Ficus elastica, received from J. C. (Ontario), show very distinctly the effects of a severe attack of thrips, the rusty excrescences on the under side of some of the leaves being due to the exudation of the sap from the punctures made by the insects.

The punctures of the thrips will often cause a sufficient flow of sap to form a tiny globule on the under side of a ficus leaf, and especially when the plants are growing freely and the sap is in full flow. The insects are, or have been, very plentiful on the plants in question, and prompt and vigorous measures will be needed to eradicate them.

The best remedy for this pest is nicotine vapor, and one of the most convenient methods to apply this vapor is by fumigating with "Aphis Punk," this preparation seldom injuring plants in any way, unless it is used in unreasonable quantities.

But several fumigations may be required in order to entirely rid the plants of these troublesome insects, for many of the insects may drop to the ground when the vapor strikes them, but will afterward crawl up again and renew their feeding upon the leaves; a full-grown thrips being one of the most difficult of ordinary greenhouse pests to kill.

Fumigating with tobacco stems would also answer for this case, but more of it would be required than of the "Aphis Punk," and there would also be more risk of doing injury to some of the plants in the house than there would be from using the above-mentioned preparation. W. H. TAPLIN.

New York.

A happy and prosperous New Year to all, and may the year 1903 prove the best and busiest we ever had!

News Jottings.

The coal question continues a very serious one in this vicinity, and some owners of large establishments have had to close up a few of their houses on account of the short fuel supply.

John H. Taylor, Bayside, L. I., has closed three houses, as also has C. W. Ward, of Queens.

Word comes from Newark, N. J., that a florist of that place had to use an undertaker's wagon for delivering flowers at Christmas, owing to the scarcity of suitable vehicles. While delivering flowers at one residence, where the lady had been ill for some time, the men were asked by pedestrians, if Mrs. ——— was dead. On being informed that the wagon was used for delivering florist's stock, one person remarked, "I'd rather have my flowers delivered in a coal wagon, especially on Christmas eve; that outfit would make me superstitious."

The Pennsylvania Railroad Company has begun the erection of extensive greenhouses at South Elizabeth, N. J., for the supplying of bedding plants, flowers, etc., for the company's stations between New York and Pittsburg. The houses, and land adjoining, to be used for nursery purposes, will cover about twenty acres, all under the charge of Professor Gertanne. It is the intention of the company to plant shade trees along the sides of the tracks between Elizabeth and Philadelphia.

Chas. F. Meyer, late of the firm of Hagemann & Meyer, announces in a very pretty booklet, that he has opened an office at 19 Barclay street, as wholesale importer of bulbs, plants and nursery stock. Mr. Meyer also states that he is the sole representative, for the United States and Canada, of Ad. D'Haene Co., Limited, Ghent, Belgium, growers of azaleas, palms and miscellaneous plants.

The new book on the carnation by C. W. Ward, which is to be published shortly, contains much valuable information, and will no doubt find a ready sale among carnation growers, professional and otherwise. Every phase of the carnation plant's life is fully treated upon in a practical manner and the raising of carnations, from cuttings, or from seeds, and growing them successfully, will be much simplified to the grower who will follow Mr. Ward's instructions. In addition to cultural methods, that are explained thoroughly, there is a complete history of the carnation, lists of varieties, and full instructions for the grower who would do his own crossing to bring forth new varieties. The book will fill a long felt want, and will be appreciated by all lovers of the Divine Flower, and they are legion.

Walter F. Sheridan has been receiving some high grade carnations from the Chicago Carnation Co., of Joliet, Ill.

Mr. Fuerstenburg, proprietor of the Floral Exchange growing establishment, Edgely, Pa., was in the city this week. He contemplates adding about 100,000 feet of glass to his range during the coming year.

There is much vigorous protesting against the advance in the express rates, but there has been no reduction of these so far.

L. M. Noe, Madison, N. J., has put a wagon in commission between his establishment and New York, for the conveyance of all his empty boxes.

The Brooklyn Horticultural Society will hold a meeting in Germania Hall, 120-122 Schermerhorn street, Brooklyn, on Monday evening, January 5, 1903, at 7.30 o'clock. It is expected that Secretary of The American Carnation Society Albert H. Herr will be present at the meeting, and every member should be in attendance.

One of John I. Raynor's growers is using hyacinth foliage as a setting to bunches of lily of the valley. This is quite a new departure in tying up flowers for this market.

The many friends of the Bogart family, retail florists of Sixth avenue, will learn with regret of the death of their father, Abram Elbert Bogart, who passed away at the residence of his son, 108 W. 116th street, on Sunday last, aged eighty-three years. Interment was in Cypress Hills cemetery, on Tuesday, December 30.

George C. Perkins, of Jackson and Perkins Co., Newark, N. Y., was in town on Monday.

The weather was all that could be desired on New Year's Day, and all cut flowers cleared out fairly well, with no advance in prices. Most of the commission houses closed at about 1 o'clock.

J. H. Troy, of the Rosary, went South on a short business trip on Friday evening.

The sixteenth annual dinner of the New York Florists' Club will be held at the St. Denis Hotel, Broadway and Eleventh street, on Saturday evening, January 31, 1903, at 7.30 o'clock. The tickets are $5.00 each, and a good time is promised by the dinner committee. Any member of the club who would like to donate flowers for the table on that occasion will confer a favor by so doing. Packages should be sent, prepaid, in care of Secretary Young, 51 West 28th street.

The school of practical agriculture and horticulture formerly at Briarcliff Manor, near Scarborough, N. Y., moved January 1 to Poughkeepsie, N. Y. A farm of 400 acres has been purchased near the city. The school will take up the culture of the Newtown pippin and choice and old varieties of apples much neglected and difficult to obtain.

To Mr. Reed, of Reed & Keller, much praise is due for his foresight, as well as the introduction of new ideas and paying novelties for the trade. In the face of many discouraging comments of various New York City and other eastern florists, Mr. Reed began the manufacture of Christmas bells, made of crepe paper and plushine, early last Summer, to supplant the time-honored immortelle bell. The western trade immediately saw the value of the novelty, and placed enormous orders; the result has been wonderful. All could have used more, if obtainable. The New York florists were caught napping, and at the eleventh hour were rushing pell mell, offering all sorts of inducements for these bells, but of no avail. This certainly must have been encouraging to Mr. Reed.

The family of George Goldner, traveling representative of Reed & Keller, has been on the sick list, including Mr. and Mrs. Goldner. All are now convalescing

Chicago.

The News.

From reports the Cut Flower Growers' Association will be ready for business about January 3, 1903

Julius A. Schnapp, formerly with E. Wienhoeber, has taken a situation with the Spot Cash Store's floral department, of Joliet, formerly held by Chas. E. Siegk, who has gone into business for himself at 224 Jefferson street, having rented part of the store of Lantrey & Leek there.

Mrs. Abbott, sister of the late Walter Heffron, died Saturday night and was buried Tuesday. The family has the sympathy of the trade in its sad bereavement.

Visitor: Chas. Knopf, representative of the E. T. Grave Co., Richmond, Ind.

ROBERT JOHNSTONE.

FIRMS WHO ARE BUILDING.

NEW HAVEN, CONN.—Doughty & Co. are erecting a greenhouse, 14x30 feet.

KEARNEY, NEB.—The Green Seed & Plant Co. is building opposite the U. P. R. R. parks, corner of Second avenue and Railroad street, four houses, each 12 x 60 feet, and a potting shed, 12 x 50 feet.

FIRES.

BALTIMORE, MD.—The greenhouses of Benjamin Stevens were slightly damaged by fire on the evening of December 23.

NEW HAVEN, CONN.—On December 29 fire damaged the stock and greenhouses of A. J. Thompson to the extent of $150 00.

CHANGES IN BUSINESS.

WAUWATOSA, WIS.—Alexander Klokner, formerly of Milwaukee, is now located at his greenhouses here.

Index for Volume XIV.

A complete index for Volume. XIV. (1902) of the Florists' Exchange accompanies this issue.

INDEX OF ADVERTISERS

Allen J K 19
American Bulb Co....2
Amling E C 21
Anderson & Christensen 10
Andorra Nurseries.....5
Aschmann G 10
Asmus E G 7
Atlantic Coast Nurseries.9
Bache S & Co......24
Bader J 10
Baker W J 20
Barr B F 7
Barrows H H & Son.10
Bassett & Washburn.21
Bayersdorfer H & Co.24
Beckert W C 3
Berkmans P J Co....5
Berger H H & Co.....3
Bernheimer E 20
Berning H G 21
Blaauw J & Co.......5
Black C 5
Bobbink & Atkins....1
Bock W A 10
Bonnot Bros 19
Boston Letter Co 22
Bradshaw & Hartman 19
Briarcliff G'houses...18
Brown Bros Co 5
Brown E C & Co....22
Brown P 6-7
Burgevin P J 10
Burpee W A & Co..2
Byer Bros 6
Caldwell, the Woodsman 18
Cal Carn Co 11
Canadian Advtsrs....16
Carmody J D 22
Central Mich Nurs...7
Chicago Carn Co.....11
Childs J L 3
Chinnick W J 5-7
Clucas & Boddington.1
Conard & Jones Co..6
Cottage Gardens 10
Cowee A 2
Cowee W J 22
Cowen's N Sons......22
Craig R & Son.... .10
Crooke J J Co......18
Crowl Fern Co......18
Cunningham J H....6
Cut Flower Ex......19
Davis A B & Son....11
Deamud J B 21
Deming Co 22
Dietsch A & Co ...24
Diller, Caskey & Co..23
Dillon J L 7
Dillon G'house Mfg Co 23
Dingee & Conard Co .2
Dorner F & Sons Co .11
Dreer Hy A 2-24
Dumont & Co 20
Dunne & Co 22
East'n Chem Co 22
Eichholz H 11
Eisele C 24
Eisele J G 10
Elizabeth Nurs Co ...3
Elliott W & Sons ...2
Elliott W H 1
Emmans Geo M 10
Endtz Van Nes & Co..5
Engle W J 7
Farquhar R & J & Co.3
Fellouris A J 18
Felthousen J E 7
F & F Nurseries.....5
Fick & Faber 11
Fillow & Banks 11
Foley Mfg Co 22
Foster L H 10
Gammage J & Sons.16
Garland G M 24
Ghormley W 19
Giblin & Co 24
Green & Underhill...7
Greenhouse Mfg Co...23
Gunther W H 19
Guttman A G 19
Haerens Bros 10
Hammond J A 18
Harris C A & Co.....7
Heacock Jos 10
Heiss J B 10
Helios Upton Co....22
Heller & Co 3
Herr A M 7-10
Herr D K 7
Hermann A 24
Hews A H & Co...22
Hicks & Crawbuck...19
Hill E G & Co.....21
Hilfinger Bros 22
Hippard E 23
Hitchings & Co 24
Holton & Hunkel Co.21
Horan E C 19
Hort'l Advertiser ...18
Hughes G J 7
Hunt E H 21
Igoe Bros 22
Jacobs S & Son..... 23
Jackson & Perkins Co 5-10
Jennings E B 6
Jessamine Gardens . .5
Johnson & Stokes .. 3
Jones H T 5
Joosten C H 6
Kasting W F 20
Kay Wm H 23
King Construction Co 24
Koster & Co 5
Kraft T 10
Kreshover L J 18
Kroeschell Bros Co .22
Lager & Hurrell .10
Landreth D & Sons.. 3
Lang J 19
Langjahr A H......19
Lehman Bros 23
Little South Floral Co 11
Limbach Casper 24
Livingston Seed Co..22
Lockland Lumb Co. 23
Long D B 22
Lord & Burnham Co.23
Lovett J T 5
Mader P 7
Manhattan Supply Co 9
Manger W & Sons ...5
McFadden E C 9
McCarthy N F & Co.20
McKellar & Winterson 21
McManus J 19
Meyer C F 4
Michell H F 3
Millang C 19
Millang F 19
Moninger J C Co ...24
Moon S C 2
Moon Wm H Co 5
Moore, Hentz & Nash.19
Moore W J 20
Moss G M 20
Mott Walter Sd Co...2
Muno J 21
Murphy Wm 11
National Board Trade.22
Nat Fuel Equipment Co 8
National Plant Co....10
Nepp G I 11
Netchert F 8
Newton A J & Sons..7
N Y Cut Flower Co 19
Niessen L 20
Ouwerkerk P 5
Passmore I A 10
Pennock S S 20
Perkins J J 10
Phila Market 18
Pierce F O Co 23
Pierson F R Co......1
Pierson Sefton Co...24
Pinehurst Nurseries...5
Pittsbg Cut Flow Co.20
Pollworth C C Co....21
Quaker City Mch Co.22
Rawlings E I 6
Rawson W W & Co..2
Raynor J I 19
Reed & Keller 22
Reid Ed 20
Reinberg George 6
Reinberg Peter 8-12
Reuter S J 11
Reynolds J L Co....22
Richards F W & Co..18
Riedel & Co 18
Ripperger Geo 22
Robinson H M & Co.18
Roemer F 2
Rowlands W A 11
Rupp J F 7
Ryerson U C 22
Salter W H 6
Saltford Geo 19
Sander F & Son.....10
Schmid's Bird Emporium 22
Schmidt J C 6
Schmitz F W O..... 3
Schultheis A 10
Schultze C & Son....6
Scott J 10
Sheffield G'house Co . 5
Shepherd Mrs T B Co.3
Sheridan W F.......19
Stoll Co 9
Slinn B S Jr........18
Smith C 18
Smith N & Son 7-9
Smith Wm C 18
Smith W & T Co.....5
Soltau C 6
Springfield Floral Co 7
Stearns A T Lum Co.23
Stern J 22
St Louis Carn Co .. 11
Stoothoff H A Co .17
Storrs & Harrison Co. 5
Stumpp & Walter Co 2
Styer J J 2
Sutherland G A 21
Syracuse Pottery Co.22
Thomas W H 7
Thompson J D Carn Co 11
Thorburn J M & Co 3
Tobacco W & T Co 24
Traendly & Schenck 19
Union St G'house Co.10
Utica Floral Co. ...11
Vanhorne Griffen & Co 23
Vaughan's Sd Store 2 3
Vesey W J & M S..11
Vick's Jas Sons. .. 4
Vincent R Jr & Son.5 7
Warburton C 11
Weber C S & Co....22
Weber H & Son..7-10
Webster Bros 16
Weeber & Don 5
Welch Bros 20
Weston H 10
Whildin Pottery Co..22
Whitton & Sons......7
Wietor Bros 21
Wittbold Geo Co....10
Wood Bros 7
Young J 19
Young & Nugent....10

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 7
Acacia 1
Ageratum 2-7-10
Alternanthera 7
Alyssum 1-2-6-7
Ampelopsis 1
Araucaria 10
Asparagus 1-6-7-10
Asters 1-2-4
Azaleas 1-4-5-10
Begonias 2-3-7-10
Bougainvillea 10
Box 5
Browallia 2
Bulbs (not named) 1-2-3-4-21
Caladium 2-5
Candytuft 1
Cannas 6
Carnations 7-10-11
Centaurea 1-2
Chrysanthemums 7
Cinerarias 2-3-7-10
Citrus 5
Clematis 1-5-7-24
Cobea 1-2
Coleus 6-7
Conifers 5
Crotons 10
Cuphea 7
Cut Flowers 18-19-20-21
Cycas 7-10
Cyclamen 2-3-7
Cyperus 6-7
Dahlias 2-11
Daisies 1-6-7-10
Decorative Plants ..6-10
Deutzia 1-5
Dielytra 1-5
Dracæna 1-2-7-10
Ericas 10
Evergreens 5-18
Fern Balls 1-3-10
Ferns 7-10 11-18
Feverfew 7
Ficus 10
Fuchsias 7
Gardenias 7
Gazanias 7
Geraniums 6-7-10
Gladioli 1-2-3
Gloxinias 2
Heliotrope 2-7
Herbaceous Plants....5
Hibiscus 7
Hyacinths 1-3-4
Hydrangeas 5-24
Ipomœa 2-7
Iris 5
Ivy 1-7-10
Lantana 2-7
Lemon 5
Lilacs 1-4-5
Lilies 1-2-3-5
Lobelia 1-2
Manetti 5
Maples 5
Mignonette 1
Myosotis 7-10
Narcissus 1-3-4
Nursery Stock 4-5
Orange 5
Orchids 10
Palms 1-4-10
Pansy 1 2 6 7-24
Pelargoniums 7
Peonies 3-5
Petunia 1-2-3-6-7
Phlox 7
Pinks, Hardy 6
Primula 6 7-10 21
Privet 5
Pyrethrum 1-2
Rhododendron 1-5
Roses 1 5-6-10 24
Salvia 1-2-3-7-10
Sansevlera 24
Seeds (not named) 2-3-21
Selaginella 6
Shamrock 7
Shrubs 3 5
Small Fruits 7
Smilax 1-2 6-7-18
Solanum 2
Spiræas 1-3 5
Stocks 1-2
Strobilanthes 7
Swainsona 6-7
Sweet Peas 2
Thunbergia 1
Torenia 2
Trees 1-3 5
Tuberoses 2
Tulips 3
Vegetables 5
Verbena 1-2-3 6 7
Vincas 2-6-7-10
Vines 3
Violets 7-10

MISCELLANEOUS.

Wisteria 1
Auctioneers 20
Books 7-20
Business Opps 8
Boilers 22-23 24
Collections 22
Cut Flower Boxes 22
Decorative Greenery 8-18
Designs 20 21 24
Fertilizers 22
Fittings 22-23-24
Florists' Letters .20 22
Florists' Supplies 20-21-22 24
Flower Pots, etc 20 22
For Sale 8
Galax 18
Glass 22-23-24
Glazing Points 23
Greenhouse Building 23-24
Gutters 23-24
Hose 22
Insecticides 3-22-24
Lumber 23
Mastica 23
Moss 18
Mushroom Spawn 2 3
Newspapers 18
Pipes, Joints, and Valves 8 23
Printing 22
Putty 22 23
Sash 23
Seed Cases 3
Sprayers 22
Squirrels 22
Stakes & Supports . 22
Thermometers 22
Tinfoil 18
Toothpicks 22
Ventilators . 22 23 24
Wagon Heater 23
Wants 8
Wax Flowers & Designs 22

REVIEW OF THE WORK OF THE CHRYSANTHEMUM SOCIETY OF AMERICA FOR 1902

Exhibited By	Date.	Where Shown.	Name of Variety.	Color.	Type.	Points Scored.											Remarks.
						Scale.	Color	Form	Fullness	Stem and Foliage	Subst'ce	Size	Distinctiveness	Stem	Foliage	Total	
N. Smith & Son, Adrian, Mich.	Nov. 1	Boston	Globosa Alba	White	Inc.	C	25	25	15	6	10	8	20	8	7	89	
						E	15	15	10			11				86	
	Nov. 1	Cinci'ti.	*Ethelyn	Beautiful shade of pink, on the order of Daybreak Carnation, only little deeper in center.	Jap.Ref.	C	22	22	14	6	9	12				85	
	Nov. 15	Chic'go	*Ethelyn	Daybreak pink	Inc	C	23	22	10	2	9	13				79	
	Nov. 8	Cinci'ti	Mrs. J. J. Mitchell	Cream	Jap.Inc.	C	20	22	15	9	9	12				87	"Bonnaffon" type.
	Nov. 15	Chic'go	Mrs. J. J. Mitchell	Cream	Inc.	C	22	23	15	7	10	12				89	
	Nov. 11-15	Chic'go (C.S.A.)	Mrs. J. J. Mitchell	Cream		C	24	24	14	9	7	12				90	
	Nov. 8	Cinci'ti.	Algoma	Pink	Jap. Inc.	C	20	21	13	10	10	12				86	
	Nov. 1	N. Y.	Algoma	Light pink, silvery reverse	Jap. Inc.	C	20	20	13	9	8	13				83	
	Nov. 15	Chic'go	H. W. Buckbee	Yellow	Ref.	C	25	20	13	4	10	14				86	
	Nov. 15	Cinci'ti.	H. W. Buckbee	Yellow	Jap. Ref.	C	19	17	12	9	10	12				79	Type same as Nagoya.
	Nov. 11-15	Chic'go (C.S.A.)	H. W. Buckbee	Yellow		C	25	22	13	10	9	13				92	
	Nov. 15	Chic'go	Minnie Bailey	Pink		C	18	24	15	8	9	11				85	
	Nov. 11-15	Chic'go (C.S.A.	Minnie Bailey	Pink		C	22	23	14	10	9	12				90	
	Nov. 1	Phila.	Sephia	Bright yellow	Jap. Inc.	C	23	22	13	8	8	13				87	
						E	14	13	8			12	23	8	8	86	
	Nov. 8	N. Y.	Convention Hall	Pure white	Jap. Inc., Ref. gua'd petals	C	25	25	15	8	10	14				97	
	Nov. 8	Chic'go	No. 5	Yellow		C	23	18	10	7	7	10				75	
	Nov. 1	Boston	No. 15-8-01	Red, reverse chamois	Jap. Ref.	C	12	25	15	3	10	15				80	
						E	7	15	10			15	25	3	3	78	
The E. G. Hill Co., Richmond, Ind.	Oct. 25	Chic'go	Mlle. Marie Liger	Light pink	Inc. high built center	C	15	25	15	9	10	13				87	
	Oct. 25	Phila.	Mlle. Marie Liger	Pink	Jap. Inc.	C	21	23	14	9	9	14				90	
						E	12	14	9			14	23	9	9	90	An imported French variety.
	Oct. 25	N. Y.	Mlle. Marie Liger	Light pink		C	20	24	15	10	10	14				93	
	Oct. 25	Cinci'ti.	Mlle. Marie Liger	Pink	Jap. Inc.	C	21	24	15	8	10	15				93	
	Oct. 25	Boston	Mlle. Marie Liger	Light pink	Jap. Inc.	C	25	24	15	9	10	15				98	
	Nov. 15	N. Y.	R. E. Richardson	Bright rose pink, silvery reverse	Jap. Inc.	C	24	23	15	7	8	12				89	
	Nov. 15	Cinci'ti.	R. E. Richardson	Pink	Jap. Inc.	C	24	23	14	10	8	13				92	
	Nov. 15	Phila.	R. E. Richardson	Silvery pink	Jap. Inc.	C	23	23	14	8	8	13				89	
						E	14	13	9			13	21	8	9	87	
	Nov. 11-15	Chic'go (C.S.A.	R. E. Richardson	Pink		C	24	23	13	9	9	14				92	
	Nov. 10	Boston	Yellow Eaton (Dr. Oronhyatekha)	Light yellow	Jap.Inc.	C	25	20	15	7	9	15				91	Sport from Timothy Eaton.
						E	15	9	10			15	25	10	7	91	
	Nov. 8	N. Y.	Yellow Eaton (Dr. Oronhyatekha)	Bright canary yellow	Jap.	C	19	19	15	8		10	15			86	
	Nov. 11-15	Chic'go C.S.A.)	Yellow Eaton (Dr Oronhyatekha)			C	22	22	13	8	9		15			89	
	Nov. 15	Chic'go	W. R. Church	Red	Inc.	C	18	20	8	9		13				76	
						E	13	13	5			13	20	9	9	82	
	Nov. 11-15	Chic'go (C.S.A.	Columbia	Pink		C	23	23	14	9	9	12				90	
John N. May, Summit, N. J.	Oct. 25	Boston	Amorita	Silvery pink		C	25	20	13	8	10	10				86	
	Oct. 25	Phila.	Amorita	Pink	Jap. Inc.	C	21	23	14	9	9	10				86	
	Oct. 25	N. Y.	Amorita	Pink	Jap. Inc. on terminal bud	C	15	15	15	8	9	12				74	
	Nov. 1	N. Y.	Amorita	Rosy pink, silvery reverse	Jap. Inc.	C	22	22	12	9	9	10				84	
	Oct. 25	N. Y.	Henry Sinclair	Bright clear yellow	Jap Inc.	C	24	24	15	9	9	14				95	
	Oct. 25	Phila.	Henry Sinclair	Yellow	Jap. Inc.	C	22	22	13	8	8	12				85	
						E	13	13	9			13	21	8	8	85	
	Nov. 15	N. Y.	Uwanta	Magenta rose	Jap. Ref.	C	22	22	14	7	9	11				85	
	Nov. 15	N. Y.	**†Mrs. R. W. Smith	Creamy white	Jap.												
	Nov. 1	N. Y.	Mirabeau	Bright clear yellow	Jap.	C	23	18	12	7	7	10				77	
	Nov. 1	Phila.	No. 86	Amber red	Jap. Ref.	E	12	12	8			12	20	9	9	82	
	Nov. 1	N. Y.	No. 86	Mahogany, old gold reverse	Jap. Ref.	C	15	18	13	8	9	10				73	
	Nov. 1	N. Y.	No. 28	Mahogany, gold reverse, gold tipped	Jap. Ref	C	15	15	10	7	8	12				67	
	Nov. 1	Phila.	No. 231	Pink	Jap. Inc.	C	21	22	12	8	8	13				84	
						E	12	14	7			13	21	8	8	83	
Wm. Paul Binder, Rider, Md.	Oct. 18	Phila.	No. 14	White	Jap. Inc.	C	23	20	13	8	7	13				84	
	Nov. 8	Phila.	Mrs. Harry V Casey	Silver pink	Jap. Inc.	C	23	23	13	8	8	12				87	
						E	14	13	9			12	23	8	8	87	
Ernst Schreiber, Ashbourne, Pa.	Oct. 25	Phila.	Miss Stella T. Elkins	Dark red	Jap. Ref.	C	22	22	12	8	8	13				85	
						E	13	13	8			13	22	8	9	86	
T. D. Hatfield, Wellesley, Mass.	Nov. 10	Boston	**Morning Glory	Yellow, tinged apricot	Jap. Inc.												Sport from Oriental Glory.
Harry M. Altick, Dayton, O.	Oct. 18	Cinci'ti.	**Estelle	White	Jap. Ref.												A white sport of Glory of Pacific; different from Pacific, Polly Rose or White Pacific by being built up in center, one-third deeper and petalage being more irregular than above named. Mr Altick claims it to be earlier by a week than Pacific grown under same conditions. He began cutting same on Oct. 4, 1902.
Grove P. Rawson, Elmira, N. Y.	Nov. 1	Boston	Snow White	White	Jap.	C	25	20	12	8	5	10				80	
						E	15	15	8								
Herman C. Steinhoff, West Hoboken, N. J.	Nov. 15	N. Y.	**Cath. Steinhoff	Pink	Jap. Inc.							8	20	10	7	83	Sport from Maud Dean.
Vaughan's Seed Store, Chicago, Ill.	Nov. 15	Chic'go	**Golden Chadwick	Yellow	Inc.												Sport from W. H. Chadwick.
	Nov. 11-15	Chic'go (C.S.A.)	**Golden Chadwick														
Jacob Schulz, Louisville, Ky.	Nov. 22	Chic'go	**	Dull white, tips of petals yellow	Inc.												Sport from Merry Christmas.
Lake View Rose Gardens, Jamestown, N. Y.	Nov. 11-15	Chic'go	**Chautauqua Gold	Rich gold													Sport from Mrs. Jerome Jones.

* Messrs Nathan Smith & Son state in explanation of the two seedlings exhibited by them this season by the name of Ethelyn, that the one examined at Cincinnati has been discarded owing to its inclination to drop its petals, and that name has been given to the one exhibited at Chicago.

** Sports. At the executive session of the C. S. A., held in Chicago, a new rule, which takes effect during the present season, was passed as follows: "That all sports from existing varieties be submitted to three out of the five committees, the average of the three scores to regulate title to certificate."

† Reported to be a sport from Christmas Gift, but believed to be Invincible, certificated in 1895.

Average score of Yellow Eaton, 88⅔.

EDWIN LONSDALE, Secretary.

Plant Depredations and Plant Culture.

It is the purpose of this paper to emphasize the apparent relation between plants and their foes, and to point out a condition that seems to be natural law governing to a greater or less extent their relationship.

Our knowledge of plant diseases and insect enemies is ever increasing and nature seems to be so unbalanced that new depredations ever continue to alarm us. Should it not be an insect on the one hand it may be a plant disease or a dreaded weed on the other.

To strike at the root of my philosophy, is it not possible that much, if not very much, of our depredations have come about and will continue to do so from want of proper plant environment or culture? This idea may not be an entirely new one, but it appeals to me in a so much broader sense than I have ever heard it expressed, that I have desired to bring it before this association.

There exists a general underlying law in plant culture, which, it seems to me, is associated with plant life and is understood by men who have a love for, and sympathy with, plant life. This law is not easily explained in words or on paper. Who are our successful plant growers? Are they our scientific men versed in botany, entomology, mycology, etc.? I dare say, generally speaking, they are not.

The men largely who are making the greatest success to-day are men who know comparatively little about these classified sciences. That these men know the plants with which they have to do, however, from the standpoint of individuality, their likes and dislikes, adaptations, sympathies and instincts, if I may be permitted to use these terms, there can be little question.

To my mind the differences between the scientist and the practical man are their points of view. The tendency of the practical man is to consider the plant as a whole with a certain definite aim in view. His knowledge of the plant in its various stages of development is keen; he detects any slight troubles and many times he anticipates depredations, taking the proper steps to obviate them. The tendency of the scientific student is to specialize too much and it is not to be wondered at. If he is a botanist, entomologist, plant pathologist, etc., in passing through a greenhouse, garden or over a farm those points only appear to him that are of interest in his specialty. The scientist, if that word can be allowed in this sense, views the depredations of weeds, insects or diseases as present probably because the seed was adulterated, the disease prevails because Bordeaux mixture was not applied, or the insects were not treated with the proper insecticide, etc. The practical man recalls from his experience perhaps that here is an exact case wherein one has made a mistake in an improper rotation, too much or too little fertilizer, too early or too late planting, if a field crop; or an equal number of mistaken practices of watering, ventilating, smudging, improper mixture of soils, etc., if under glass. In other words, the practical man looks at plant depredations as incidentals, and in most cases as only a part of the whole for success, while the scientific man considers them as of paramount importance. Much good often comes from scientific study, but its application is liable to be general rather than specific.

It is thought that this explains largely why practical growers are slow to adopt and use much information that is recommended about insecticides, fungicides, etc., until its value has actually been demonstrated. While many still assert that they believe in spraying in spite of such comparatively slight results, yet on the other hand they continue to omit its use. In the class of men I refer to are many times our most successful commercial growers, and I have been troubled at times to explain why some of these men are as successful where no fungicides or insecticides are used, as others who depend upon them.

Is it not a fact that those men who are the most negligent about their general knowledge of plant culture have the greatest trouble from depredations of all kinds? I believe our best men will bear me out in saying that wherever we find practical, successful husbandmen we also find the minimum trouble from plant depredations.

There seem to exist between plant life and its parasites general laws, which, if more fully understood, would be most valuable many times toward desirable results. The fact that many men are, comparatively speaking, never troubled with certain plant troubles while others who may start with the same plants will be, goes to show that environment of the plant has very much to do with it. The plant pathologist and entomologist from the standpoint of economic plant growth need very much the knowledge of plant culture as well as a knowledge of fungicides and insecticides.

It occurs to the writer that it may be that certain plant troubles might be classified as liable to occur only under certain conditions, and that this classification would mean more to growers than a remedy for treating the particular disease or insect when it has made its appearance.

VIEW OF CHRISTMAS DISPLAY OF ALEX. McCONNELL, FIFTH AVENUE, NEW YORK.

A man that has won great fame as a carnation specialist, and who has made thousands of dollars originating new varieties, claims that rust, while it is a disease of the plant, occurs from want of knowledge of carnation culture, and where a man understands his business, remedies for most of these diseases are not needed. Where experiments were carried on in this line last Winter we were able to verify his conclusions.

A certain authentic work has this to say about carnation rust, "Produces gray blisters upon the leaves, the spots finally rupturing and showing the rusty discoloration of the spores." Preventives—"Careful picking and burning of the infected parts is one of the surest preventives of further attacks. Spray with Bordeaux mixture."

A grower this past Winter found that where careful watering was resorted to on one bed there was no rust, but on another lot, under exactly the same conditions, excepting the watering, rust was very prevalent. When the plants are allowed to dry out thoroughly before night in Winter conditions, rust was little troublesome and the reverse seems to be true. Watering carnations to almost any extent during late Spring or Summer never seems to hurt them, simply because it is thought they dry out, thus finding agreeable conditions.

Many growers have much trouble with the carnation from the bursting of the calyx, which renders the blossom unsalable unless the flower is wired to keep it in shape. Experiments with these same plants revealed the fact in most cases that insufficient plant food at the right time was the cause almost without exception. It was suggested that the trouble was due to the propagation of weakened stock, but even stocks of this condition were revived and this trouble readily overcome by a careful feeding of the plants by a practical grower. The ever administered Bordeaux mixture was used in these same experiments and with some benefit, but for a practical and economic solution of the troubles it was considered of little worth. At a meeting of the American Florists' Association a few years since, one of the large growers discussed the advisability of soil sterilization and explained his method. Although it was thorough and seemed to meet a required need, as shown by the results under his conditions, others who were perfectly familiar with his conditions, and who had used from exactly the same stock of plants, were equally as successful without such sterilization and claimed it an unnecessary expense.

Rose growers, it is believed, do not attribute diseases as due to the presence of the spores alone, but to unfavorable environment. A noted American Beauty grower, who has charge of the largest plant in the world, tells me that he considers diseases as due to mistaken culture rather than to devouring enemies.

I have had college graduates who could identify insects, recite on insecticides perfectly, but found it practically impossible to combat red spider, etc., without practically destroying the value of the plants themselves. Another man with little knowledge of entomology or insects, but thoroughly understanding plant culture, has grown the same plants under exactly similar conditions, and I have failed to even find red spider present. If plants are neglected through crowding, over or under watering, too much or too little ventilated, given extremes of temperature, insufficient plant food, neglected breeding, etc., of course one will have trouble, and simple remedies, although under other conditions they might be efficacious, are here utterly useless. I might enumerate further examples, but hope I have sufficiently emphasized the idea that we cannot know too much about plant culture.

The statement is often made that the reason we have so many depredations on plants under glass is that the conditions that favor plant growth also favor these plant troubles. I am inclined to think this statement untrue and that we have so many depredations under glass simply because we do not yet understand what the true culture of the plant is.

I might enumerate further examples, but hope I have sufficiently emphasized the idea that a knowledge of plant culture is of utmost importance as a basis for success.

It is believed that there are underlying laws which if properly complied with might, to some extent at least, assist very materially in overcoming plant diseases.

This law is evident when we study into the causes for and trouble that comes from obnoxious weeds, and it is only through a better knowledge of culture of crops that success results.

The same law seems to govern insect depredations to a greater or less extent. Neglect and improper handling of plants are accompanied by a multiplication of insect pests, while improved culture tends to eliminate them.

Just how far plants of different kinds will or will not evince the law of self-preservation under proper treatment, is a subject that is worthy of much study at least.

A knowledge of plant pathology, entomology, botany, etc., is always to be recommended, but equally so, for the benefit of the results to be derived from plants, is a knowledge of ideal plant environment which is nothing other than culture.—Professor F. Wm. Rane, Durham, N. H., before the Society for the Promotion of Agricultural Science.

Review of the Market

NEW YORK.—Business in cut flowers has been of a very slow nature since Christmas, and the usual practice of making Christmas prices hold good until New Year's Day has not been possible this time. We have been informed on reliable authority that there has been a general reduction made on the bills for the top grade American Beauty roses, and for violets that were delivered during the Christmas rush; and this fact will, no doubt, tend to make the general average returns somewhat below our last week's quotations, so far as these two grades of flowers are concerned.

With the exception of American Beauty, roses have not been at all plentiful this week, and it has probably been just as well, as there has been very little demand, and prices have taken a decided tumble. On Wednesday the market assumed a more healthy aspect, and there was a good call for the shorter grades, Nos. 1 and 2 clearing out in good shape. Specials only brought 20c., however, in spite of their not being very numerous. American Beauty are very abundant, and so far as a fixed price goes, there is no such thing; from 40c. to 50c. each seems to be about the average figure, though there are some that have gone at 30c., and a few have been billed at 75c. each.

Violets have been coming in spasmodically, and prices are no longer inflated, though the limited supply makes it possible to keep them up to a fairly good figure.

Carnations are in fair supply, and, like all other products, have suffered a general decline in value.

Cattleya Percivaliana is a very difficult subject to get rid of these days, now that there is a supply of C. Trianæ.

Jonquils and tulips have appeared on this market, but there is no particular call for them as yet. Lily of the valley is plentiful, as are also Roman hyacinths and Paper White narcissus.

Mignonette of superfine quality, so far as size goes, is coming in regularly, and is one of the good things to handle. Lilies continue to sell fairly well; but sweet peas have gone down a little in value. There are a few bunches of nasturtiums and stocks on the market for the first time this season.

TORONTO.—Once more we have to record a very successful Christmas season for Toronto florists. The weather in the early part of the week was favorable for business—bright and fine, and not much frost. The demand for plants was very good, and large numbers of palms and ferns, as well as flowering plants, were sold; also of azaleas, cyclamen, poinsettias and primulas and a great number of Begonia Gloire de Lorraine. The latter, however, did not go as freely as in former years; it did not look worth the money asked for it. Pans of Roman hyacinths also sold cheaply; there were but few tulips offered, and they were not particularly good. Everything in cut flowers went before the night of the 25th. Roses were scarce, and but few of the dealers received all they had ordered. Carnations were more plentiful, but when the roses were disposed of, carnations went quickly; they sold at retail at from 75c. to $3.00 per dozen. Lily of the valley was fairly plentiful. Roman hyacinths and Paper White narcissus, early in the day, were in over-supply, but worked off all right later. Violets were scarce, and moved along quickly. Callas and Harrisii lilies, while not very plentiful, did not sell quickly, they being generally the last flowers to be seen in the windows. Cypripediums and mignonette were fairly plentiful, and generally sold well.

Immense quantities of holly were sold; every grower and general dealer appeared to have boxes of it, but all seemed to be worked off. Large numbers of holly wreaths, tied with ribbon, were sold. Tidy had a fine window of bells made of scarlet immortelles, and holly, tied with red ribbon. They sold as fast as his men could make them up. Club moss wreathing sold very freely, but such large quantities were on hand that it did not quite clear up. From what I have so far been able to learn, the trade must have been nearly 50 per cent. better than ever before. T. M.

BOSTON.—Christmas trade this year proved very satisfactory to all concerned. The increase in the plant trade noted in past years was continued, but with little or no ill effects on the sale of cut-flowers, which was enormous, and, in many cases, at better figures than ever before have been realized. The plant market was well supplied with products in first-class shape, but the same conditions did not obtain in cut flower lines. Never before was more held-back "salted" stock shipped to this market than on Tuesday and Wednesday; and such stock met with the same disastrous results as have been reported at past holidays. Quantities were unfit for use, and at a time when even fair stock was in the greatest demand.

Roses were in very good supply, though the superior grade and extras and fancies were not over-plentiful, except in white kinds, of which a few were carried over. There were quantities of inferior stock, both white and bleached-out colored sorts, for which it was impossible to find a market. Everything good brought satisfactory figures, and sold out clean, except as noted above. Fancy American Beauty and Queen of Edgely reached $18.00 per dozen, with No. 1 and extra at $12.00 and $15.00; from these figures the cuts were graded down to $9.00, $6.00, $4.00, $3.00 and $2.00 per dozen, the latter price being rock bottom for the smallest size. Liberty, of special grade, came next for high figures; $6.00 per dozen was reached for a limited supply; the medium and No. 1 at $3.00 and $4.00, respectively, and smaller ones at $1.50, $2.00 and $2.50. Special Bride, Bridesmaid and Souvenir du President Carnot reached $30.00 per 100, outside figure, though the latter variety was not in heavy supply. Bride were aided by Bridesmaid to make the figure named. The demand favoring the latter variety; the growers would only supply them on condition that the buyer take Bride also, else it would have been utterly impossible to dispose of the large supply of the white roses.

Window Display at Christmas of A. Warendorff, Broadway, New York.

In carnations, more than in roses, was the "pickled" stock evident. Good flowers cleaned out well at very good prices. Ordinary varieties made $4.00 per 100, the best of such kinds $5.00; and fancy stock $6.00 and $8.00. Novelties ran from $8.00 up to $15.00. The latter price was obtained for special Fair Maid, and was the highest figure for carnations in this market. There was, however, much of the stock which showed signs of going to sleep on arrival, and such was disposed of at $1.00, $1.50 and $2.00 per 100, when the same stock two or three days earlier might have realized just as good figures as did fresh stock of corresponding grades on Wednesday. Red carnations were most in demand, and, with the bright pink ones, sold out well. The white varieties did not clean out quite so well.

Violets, which had been scarce right along, came in in goodly numbers on the day or two days before Christmas, but values had been boosted up pretty well beforehand, and it was not difficult to maintain them. Prices ranged from $1.00 to $2.00 per 100, though in some special cases $2.50 is reported. Lily of the valley was in good supply at usual figures, and Roman hyacinths and Paper White narcissus being in good supply also, met with no advance in values. Jonquils sold out well at $5.00 and $6.00 per 100. Lilies were of very good quality, and in quite fair supply, selling at $2.00 per dozen. Callas, which were not so plentiful, brought $1.50 and $2.00, and cleaned up well.

Cut poinsettias were in fair supply and of fine quality, selling at $5.00 to $6.00 per dozen for the best.

The market was overloaded with poor holly, which had to be cleaned out at low prices, ranging from $3.25 a case three days before Christmas, down to $1.00, and for whatever figure it would bring on Wednesday. The really good stock, such as is in demand with florists, was very plentiful, also, but the sale of it was hurt somewhat by the quantities of poor material and the remarkably low prices quoted on the latter. First-grade stock was held at $4.00, and even $4.50 per case at the outset, but as it increased in quantity, prices were dropped to $3.00 and even $2.50 was accepted for some which arrived too late to be disposed of at the better prices. Mistletoe and other greens sold out pretty well, at quite good prices. Laurel wreaths were not so plentiful as usual, and made better prices; from $2.00 to $3.00 a dozen was obtained for about the same stock that formerly brought $1.50, $1.75 and $2.00 per dozen.

Plant growers all report heavy sales, and were well cleaned out. Medium to large-size azaleas ran short.

Since Christmas, and up to Monday of this week, the market has been rather bare. By Monday, stock began to appear a little more regularly, though up to the present writing the shipments have not reached normal proportions. The exceptional prices obtained last week have not been maintained, though good figures have prevailed throughout. Carnations fetch $3.00 to $5.00, with fancies at $6.00. Bride, Bridesmaid and Liberty roses have dropped about a dollar a dozen right through the list. Violets, which are not at all plentiful, continue at high values, $1.00 to $2.00 per 100 being easily realized. Lilies fetch $10.00 to $12.50 per 100, and callas about the same figures. Lily of the valley is at usual figures. F. J. N.

CINCINNATI, O.—Christmas is over, and is one long to be remembered as the best ever experienced by the retail and wholesale florists of this city. The supply was good in all lines, but much more could have been sold if obtainable. The stock, taken as a whole, was good; pickled goods were in evidence here, but not to any great extent. But the stock shipped in was a sorry sight; some of it could be lifted out of the box and some could not. The percentage of seconds and thirds was very large in roses, but all sold; of course, not at top notch figures, but for all it was worth, and even more. Carnations were scarce, and in great demand. Violets, also, were scarce. Bulbous stock did not move at all, except lily of the valley. Not until the supply of all other flowers was exhausted, could we sell Roman hyacinths and narcissus; then, we were obliged to drop the price to move them. Julius Baer reports trade never better, fully fifty per cent. ahead of any year since he has been in business. He delivered over seven hundred packages for Christmas. George Magrie says he lost a diamond ring when making up holly wreaths, which will cut down the profits somewhat unless he can find it. H. D. Edwards, Newport, Ky., reports trade never better. He came near to being held up Wednesday at midnight. He was busy getting out his orders when two men walked into the store, pretending to be intoxicated. He had his suspicions, and immediately telephoned the police station, when the gentlemen beat a hasty retreat. J. T. Conger, Hartwell, O., had no complaint to offer; Louis Pfeiffer's Sons report business away ahead of last year's; Hardesty & Co., the finest yet, they had a great demand for carnations and blooming plants, more so than for roses, although they sold out. The Rosebank Co. is absolutely satisfied. Huntsman & Co. could have done more. Chas. J. Jones, of the Walnut Hills Floral Bazaar, reports the greatest business in his experience. Fred Gear could not wait on all his customers, the demand was so great. A. Sunderbruch's Sons, The Hoffmeister Floral Co., and several others have the same kind of a report to make. There was nothing new in the plant line. A cold wave struck the city pretty hard Wednesday night, and it took careful wrapping to keep flowers from freezing when delivering Christmas morning.
E. G. GILLETT.

MILWAUKEE.—In summing up the Christmas business, it does not look as if the volume will total much over last year's. The principal reason of this was the shortage of stock. The weather was dark and cloudy continually, and roses were the principal sufferers. Bridesmaid looked pale and pickled, although fresh cut. Most all roses were inclined to be weak-stemmed. Carnations helped out wonderfully, and more of these could have been sold at the last moment; but dealers had little left over advance orders. Violets were extremely scarce; $1.00 per bunch was about the average retail price. American Beauty roses were not over-plentiful, but those in the market were choice, and sold at good figures. Roman hyacinths and Paper White narcissus were plentiful, as is usually the case at Christmas. Stevia sold well, and was generously used to fill up boxes.

In blooming plants, azaleas were leaders, with cyclamen a close second. Well-grown Begonia Gloire de Lorraine sold on sight. Palms, Boston ferns and fancy fern dishes, filled, found ready sale. Of holly and greens there was an oversupply, and the commission men were unloading these at ridiculously low prices; nearly all grocers handled these materials at low figures, which made inroads into the florists' receipts. Scarlet immortelle bells were principally used in window decorating by the downtown florists. The thermometer dropped to zero the day before Christmas, making deliveries somewhat difficult. C. C. P.

KALAMAZOO, MICH.—Had the weather been favorable, Christmas trade would have increased over last year's; as it was, it about equaled that of last Christmas, with prices somewhat higher. Roses generally were a short crop, and violets still more so. Carnations, however, were the popular flowers, and were in good supply, as were pot plants and Christmas greens, bulb stock, etc. Reports vary somewhat on the trade in pot plants and greens, these going well with some and not so well with others. Probably the weather accounted for this, as nearly a blizzard raged all day long on the 24th and most of Christmas day. Serious complaint is made about worthless stock being shipped here from a Chicago wholesale grower, causing considerable loss, besides the annoyance (why do these houses take orders when they know they can't fill them). Prices ranged, retail: roses, $2.50 to $3.00 per dozen a few went cheaper; carnations, common, 50 cents per dozen; medium, 75 cents; while selected ones sold for $1.00 to $1.50 per dozen, violets, 30 cents per dozen; bulb stock, 50 to 75 cents per dozen; pot plants, at the usual prices, while wholesale flowers were quoted at Chicago rates. S. B.

ALBANY, N. Y. The Christmas trade in this city was extremely lively. The stock of flowers was quite limited, but there was enough to supply the demand, prices being prohibitive to all but the wealthy. No money could be made by retailers from flowers purchased from commission dealers, so the general public contented themselves with buying holly, Christmas trees and plants. Of these, immense quantities were sold. It would seem as if now every home must have some such token as evidence of the season. The question naturally arises, that if this great demand for trees and holly continues—and who can doubt but that it will?—what will be the result as regards the supply from our native woods? Surely there is a limit, and how soon will that limit be reached? Designs of red immortelles were also in considerable evidence, and met with ready sale. As the supply of cut flowers must always be limited at Christmas, and prices always rule high, it behooves the retailers to bear in mind the trade in the articles specified above, to exercise the inventive faculty in preparing novelties in these lines, and to have a large assortment in readiness for this trade, which is surely come to stay. In plants, anything good sold. There is a fine market for ardisias and poinsettias, when well done. The difficulty is to obtain plants which are well done. Solanums and Christmas peppers are too easily injured to be recommended to particular customers. W.

ELMIRA, N. Y. Reports are satisfactory as to demand roses and violets were rather scarce. There were more carnations than usual of prime quality. Poinsettias sold well. There was a good market for Christmas greens. Berried plants and poinsettias in pans were preferred in the plant line. Prices were somewhat in advance of last year's. The 50 per cent. additional express gouge occasioned a good deal of indignant protest from out-of-town customers. It cannot help but prove a set-back to the florist's business—and there will be no margins for growers at the present prices of coal. In our section, miles of soft coal are side-tracked for railroad speculation. The railroad monopoly is the most greedy trust of all.
GROVE P. RAWSON.

PITTSFIELD, MASS.—Christmas prices for cut flowers ruled about the same as last year, carnations being most in demand. In plants, palms, ferns and cyclamen were the best sellers, but with a diminished demand from that of last year. The amount of business done was about the same as in the year previous.
JOHN WHITE.

ST. PAUL.—Christmas, 1902, is a matter of history now, a fact for which I believe every florist in the Northwest is truly thankful. We read of the increase in trade each season in other places, which comes around with such surprising regularity of 10, 25 or 50 per cent. that we sometimes wonder where it will stop. Either sales ten years ago were surprisingly small or else some in the trade are surprisingly large—**prevaricators.** From our viewpoint we think trade held its own, or increased a little over last year's in dollars and cents. Fifty days of clouds and darkness brought the cut down to the minimum. Roses especially were off crop and off quality. Red sorts were more plentiful than Bride and Bridesmaid. American Beauty were in brisk demand, while good blooms were very scarce. Some pickled stock, from Chicago, fell to pieces on opening the boxes, and was worthless. When; oh, when will the pickling process be abandoned! Carnations were more plentiful than roses and sold more readily. Violets were scarce, but of good quality. Lily of the valley, Roman hyacinths and Paper White narcissus were in good call and sold out clean. Retail prices ranged as follows: American Beauty $8.00 to $20.00 per dozen; other roses $2.50 to $5.00. Carnations, $1.00 to $3.00, the bulk of the stock going at $1.50 and $2.00; violets $4.00 per 100; lily of the valley $1.00 per dozen, Roman hyacinths and narcissus 75c.

There was quite a stock of good plants which sold at fair prices and would have done much better had the weather been more favorable. Azaleas, cinerarias, poinsettias, cyclamen and primroses were the principal plants, with a few peppers and oranges in fruit for variety. Ribbons, baskets, crepe and matting were somewhat in evidence, and assisted in the sale of plants, or at any rate helped to bring a good price. Greens were abundant, of good quality, and sold well. Holly came in after the first cold snap, was unfrozen, well berried and bright, and, in general, much better than for several years past. Lycopodium wreathing was not used by the larger stores as freely as in years gone by. Mistletoe seems growing in favor each season and is packed and shipped in much better shape than a few years back. We noticed one shipment packed in hay in barrels, which came through in elegant shape, and was very fine.

Wednesday the wind veered to the northwest, the mercury dropped to zero and below and the cold wind cut to the marrow, making deliveries very bad and difficult. Quite a good many plants and flowers were reported frozen, and some dinner tables had no bouquets on account of delayed deliveries.

The country trade was the best on record. But here the cold also got in its deadly work, and delayed and frozen shipments were quite common. Claims aggregating hundreds of dollars have been filed against express companies for delayed and frozen shipments. Halm & Olsen lost a large number of poinsettias from frost. Christ. Bussjager lost two dozen palms in a church. L. L. May received several delayed shipments Friday morning after the trade was all past.

Arnold Ringier, of Chicago, was a recent caller. VERITAS.

CLEVELAND.—The volume of business done at Christmas this year surpassed all previous records. The supply of cut flowers was rather limited and but few orders were filled in full. Stock, with few exceptions, was very good and the pickled grade was less in evidence than in former years. The plantsmen who prepared and pushed their stock should have reasons to be thankful; because of cut flowers being so scarce people took to plants and as a result most lines of blooming and other decorative stock were sold out. Begonia Gloire de Lorraine seems to be a disappointment in this city, as there are enormous quantities still on hand. This plant, while a beautiful thing, does not take here on account of the price. Holly and all Christmas greens had a great sale and the prices remained firm to the last. Wreaths of immortelles for cemetery use sold equally as well as in former years, and trade as a whole seems to have surpassed any week this season.

Prices seem to be on the upward move and the quotations herewith are from today, December 31, 1902: Roses, teas, $8.00 to $12.00; carnations, good, $3.00 to $4.00; selects, $5.00 to $7.00; violets $1.50 to $2.00; lily of the valley, $4.00; Roman hyacinths, $2.00 and $3.00; narcissus, $3.00; adiantum, $1.00 to $1.50; smilax, $15.00; lilies, $15.00; poinsettias, $35.00 to $40.00; common ferns, $1.50 per thousand; galax, $1.00 per thousand.

G. W. S.

BUFFALO.—A demand for flowers quite beyond the supply has been the prevailing condition of late, even at prices some decided points above what has usually been known at this time. This refers to good grade stock, all of which has gone at unusual value. An active demand has existed between Christmas and New Year's, influenced somewhat by calls for funeral uses. All the greens that were generally offered, poor grades included, were disposed of, no complaint of any "left over" stocks being heard.

VIDI.

INDIANAPOLIS, IND.—Christmas business was beyond that of all other years from almost every standpoint. Prices were exceptionally good and never before were such high values obtained for stock, either at wholesale or retail. Customers did not seem to care much about the price, if the flowers suited in quality. Roses, as was almost everything else, were in great demand. Bridesmaid and Bride sold at $1.50 to $2.00 wholesale, and $2.00 to $4.00 per dozen retail. Liberty went soaring skyward at $3.00 to $5.00 per dozen wholesale and $5.00 to $7.50 per dozen, retail. Golden Gate sold well at $2.00 to $3.00 per dozen retail. Some good flowers of Ivory went at $3.00 to $4.00 per dozen retail. American Beauty sold beyond all expectations, bringing $2.50 to $12.00 per dozen wholesale, $3.00 to $24.00 retail were the prevailing prices, although the greatest demand was for those which sold at $9.00 and $12.00 per dozen. Every dealer in the city sold out his stock of carnations, the popular price being $1.00 per dozen, although some select ones were disposed of at $1.50 per dozen; $4.00 to $7.00 per hundred was the wholesale price for them. Red carnations, of course, went first, then pink, and, after some time, the white.

Many poinsettias were sold, the large majority of them bringing $3.00 to $6.00 per dozen.

Poinsettia plants with three to six flowers to a pot, and a red cover to match the flowers, were readily sold at prices ranging from $1.50 to $1.00 for the plant.

The supply of violets lacked a great deal of being equal to the demand. Thousands more could have been disposed of. They were bought mostly in 100 lots at the rate of $1.00 per 100. Nearly all of the violets sold were home-grown double ones, and the result was very satisfactory. A fancy violet box or hamper was invariably asked for. As early as Wednesday noon, nearly all of the retailers had sold out their supply of violets.

Some lily of the valley sold at $1.00 per dozen; other cut flowers at the following prices: Roman hyacinths, 75c. per dozen; daisies, 25c. per dozen; narcissus, 75c. per dozen; tulips, 75c. per dozen; stevia, 25c. per dozen. A few chrysanthemums brought $2.00 to $4.00 per dozen. The latter flowers were not extra, but were readily disposed of. There were a few sweet peas on the market; 50c. per bunch of twenty-five was obtained for them.

One noticeable feature was that there were fewer boxes of mixed cut flowers left to the discretion of the florist than in former years; customers picked one or two kinds and colors of flowers and were particular to have those kinds selected.

Quite a few boxwood and other prepared wreaths were sold at prices ranging from 50c. to $5.00. One of the cemetery florists sold nothing but green boxwood wreaths and a very large number of them could be seen on the graves after Christmas.

The plant trade, also, was larger than ever before. Begonia Gloire de Lorraine sold by the hundred at prices ranging from 50c. up to $10.00, a fine specimen in a pot bringing the latter price. With nearly every plant sold was a cover, ranging in price from 25c. to $1.00, nothing more expensive than that being wanted.

Quite a few cyclamens were in bloom; $1.50 to $5.00 according to size and color were the range in prices. The pink and variegated sorts sold better and commanded a better price than the red or white. Some fine specimens of cyclamen were to be seen at several of the florists; but these plants did not sell as well as the begonia or azalea, though quite a lot of $1.00, $1.50 and $2.00 plants were disposed of.

Primulas were numerous at 35c. to 75c. "Just the thing to sell to old ladies" one clerk remarked. The plants last longer and are the cheapest things in the store. Pots of spring flowers, i. e., tulips, daffodils, hyacinths and narcissus, sold at from 50c. to $1.00 and went readily because of their price. Small Begonia Gloire de Lorraine plants in 2-inch and 3-inch pots, with a neat little cover of wood matting, were readily sold. They were cheap, pretty and neat. Palms and other foliage plants held their own, many a jardiniere being bought to be filled with some lasting house plant. The usual number of ferneries and dishes which had been bought elsewhere were filled at the customary prices.

Of course, the large hampers and baskets of flowers which had served to beautify the store were sold. The price obtained for them was $2.50 to $7.50. The more experienced customers preferred choice cut flowers, or a specimen plant. The florists were too busy to bother with green material to any extent. Many customers were referred to the streetman and the seed houses. Of course, when a good customer cared to pay an extra price, his wreaths, etc., were made to order. This was found to be more satisfactory than carrying a large quantity of made-up material, as in former years. I. B.

ST. ALBANS, VT.—Christmas trade was as good as in other years. Stock was in short supply, and the wholesale prices away up. Everything we had in cut flowers sold out clean. There was a good demand for holly and greens as well as for palms and ferns. The only trouble we have here is with the coal situation; we are fighting hard to keep our stock from freezing, by burning green wood. Wishing you a happy New Year, and more coal. H. BRYANT.

CHICAGO.—The market for the past week has been rather active on account of the large shipping trade. American Beauty roses are quoted at $12.00 per dozen for extra fancy stock. Bride and Bridesmaid, $6.00 to $15.00 per hundred, while a few extras went a shade higher. Liberty is selling at from $6.00 to $35.00 per 100, the latter for extra select stock; Perle des Jardins, $6.00 to $12.00; Meteor, at $6.00 to $18.00; Sunrise, $6.00 to $15.00; Mme. Abel Chatenay, $6.00 to $20.00; Ivory, $6.00 to $20.00 per 100. Carnations are in fairly good supply, with everything closed out in the colored line. White varieties are not moving so freely, and are quoted at from $2.00 to $10.00 per 100; the latter price also for extra fancy Prosperity, while Harlowarden has been bringing $15.00 per 100. Violets are quite a scarce article in this market, and have been bringing from $1.50 to $3.00 per 100. Harrisii lilies realize $2.50 per dozen. Roman hyacinths and Paper White narcissus were quite in evidence, and did not move very freely at $2.00 to $4.00 per 100. Lily of the valley did not move so well as might have been expected; it is quoted at from $3.00 to $5.00 per 100. Quite a lot of sweet peas were in the market, and realized $1.50 per 100; bouvardia, $2.50 per 100; stevia, $1.50 to $2.50 per 100; poinsettias, $2.50 to $7.50 per dozen; mignonette, $4.00 to $8.00 per 100; Asparagus plumosus, $50 to $75 per 100; Asparagus Sprengeri, $2.00 to $3.50; smilax, $12.50 to $15.00 per 100. A few myosotis brought $4.00 per 100. White stocks were in, being quoted at $4.00 per 100. Some belated chrysanthemums were in evidence, selling at from $2.00 to $5.00 per dozen.

The trade at Christmas from all accounts from the principal wholesalers was very satisfactory as far as the total sales were concerned, but the quality was lacking in most all grades. Bridesmaid were the worst, being off color and very soft and unsatisfactory for shipping. No doubt lots of complaints will be received by the commission men on account of the soft condition of stock shipped from this market; but as there has been no sunshine since before Thanksgiving, stock could not be otherwise. Taken as a whole, the Christmas business has far exceeded anything done heretofore, and the wholesalers report that their sales were all the way up to 100 per cent better than those of a year ago. Shipping trade has been immense this year, with prices about the same as a year ago. The top notch reached by American Beauty roses was $15.00 per dozen wholesale; but the most of the stock was sold for $12.00 per dozen for extra fancy, with enough at least to supply all demands of the other kinds. Liberty was the scarcest article and sales of it are recorded as high as $6.00 per dozen for extra fancy stock. Bride were in abundance and were hard to move at any satisfactory price, except extra fancy which sold well. All other roses were in good supply and went at a good price. Carnations were in fair supply with a shortage of red, which will always be the case, as it does not pay the grower to have a large percentage of this color at any other time of the year. White flowers were greatly in evidence; in fact, an over-supply, whereas if the stock had been shipped in on Saturday and Sunday the growers would have realized exceedingly high prices for it, it being impossible to supply the demand for white stock at that time. The same was true of bulbous stock. Quite a large supply of this material was carried over from Christmas; those and white roses and carnations were all that were to be seen on the counters on Christmas noon; in fact, a goodly number of the wholesalers were ready to close at 11.00 o'clock on that day, everything being cleaned up. Violets were in good supply with not enough to meet the demands; almost every order had to be curtailed. The quality was fairly good, still some exceedingly poor stock was received. The best realized $3.00 per hundred and were quickly taken by the local trade at that price. Lily of the valley was practically a drug on the market and hard to move.

Numerous kicks are to be heard in regard to pickled stock; but I have an idea that the weather has been more to blame than the growers for so much soft and sleepy stock being thrown on the market.

At present, trade is fairly active with Christmas prices prevailing.

There was enough Christmas greens and goods of that class to meet all demands, with quite a lot carried over by the South Water street commission men, who are going in heavier every year into these goods, supplying the grocery stores in the suburbs with them. Holly from that quarter was peddled about the city a day or two before Christmas and sold at from $1.00 to $1.75 per case, where the week previous it was selling for $3.50 per case. More red berries and holly berries were handled in this market than ever before, the retailers using these in basket work in connection with ferns.

R. J.

PHILADELPHIA.—There has been a good amount of business done in cut flowers this week, rather more than was anticipated after the Christmas rush, and all stock has cleaned up well excepting carnations.

American Beauty roses are selling at from $7.00 to $9.00 per dozen for the best grades, $10.00 is asked for some, but they must be extra choice to bring that price. Bride and Bridesmaid are not in sufficient supply in choice flowers to fill all demands. The commission houses have had heavy shipping orders on these roses for several days. Choice tea roses are selling at $10.00 to $12.00 per 100. Liberty has had very good sale; and an increased demand is noticed for Golden Gate. Sunrise is also seen more and is a pretty flower as used in mixed bunches. Queen of Edgely is selling at $9.00 and $10.00 per dozen for the best, the latter price being difficult to get. Choice carnations are bringing $6.00 per 100, down to as low as 75c. per 100. This week the $4.00 to $6.00 stock is going very well, but lower grades rather slow. Double violets are in good demand, the supply is rather better. Prices are $1.50 per 100. Bulbous stock sells slow outside of a few choice daffodils. Lily of the valley is in good demand. DAVID RUST

WALTHAM, MASS.—Christmas business was very good, better than last year's. The coal situation made stock scarce and prices consequently higher. Carnations realized from $6.00 to $12.00 per 100, white flowers selling best. Roses reached from $6.00 to $18.00 per 100; violets, $2.50 to $4.00; lilies, $1.50 per dozen. In plants, azaleas sold well, as did other potted stock.

The Italian fruit dealers handled most of the holly and other greens.

W. F. WARREN.

BRATTLEBORO, VT.—Christmas trade was good in flowering plants such as cyclemen, primroses, hyacinths, narcissus and violets in pots. In cut flowers carnations sold well at higher prices, but were very scarce; violets also sold well. Roses went only in small quantity and hyacinths and narcissus went well. Holly and other green, also palms and all decorative plants did not sell as well as flowering plants.

D. McGILLIVRAY.

KNOXVILLE, TENN.—Retail prices at Christmas were about the same as last year; sales 25 per cent. better. The supply was plentiful, but all cleaned up. Bulbous flowers sold fairly well. Plant sales for all classes were better. Buyers paid Christmas prices more freely than formerly. C. W. CROUCH.

(*Further reports of Christmas Trade will appear in next week's issue.*)

Christmas Store Front Decorations

Our skilled and perserving photographer exhausted every effort as well as, finally, his patience, through snowstorm, rain, and wind, and at all hours of daylight, in the endeavor to take some of the magnificent retail florist store fronts of the metropolis as decorated for Christmas, the plate glass front negativing his work in every instance. We thank the firms who so heartily assisted, and regret we have been unable to show our readers generally the artistic work which along certain of our streets attracts the undisguised admiration of thousands of our citizens.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 500 LBS. 60c. per cwt. On Cars N. Y. City.

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We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

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SNOW, the Florist.
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Philadelphia.

Retail Stores.

Most of the stores have been quite busy all week; every day has brought a large number of balls, dinners, luncheons, etc., so that flowering plants and cut flowers have been in good demand. Graham had four large ball decorations this week; every one of these affairs has numerous dinners preceding it. The same applies to grand opera on Tuesday night. Then there are a great many visitors from distant cities here for the holidays; they are being entertained all around. Christmas business from the retailers' point of view appears to have been very good; all seem to have done an increased trade. In summing up, or striking an average as it were, there was a much smaller percentage of large-priced sales; the bulk of business done was of sales from $4.00 to $10.00. Large hollies, bougainvilleas, azaleas, etc., that were marked $15.00 to $25.00 went very slow; in fact, many were left over. The same remark applies to cut flowers. Several stores report smaller sales on American Beauty roses, but an increase in those for flowers that did not cost so much. Three stores, all of whom do a high-class business, say that many of their large buyers bought less; in one case the reason was thought to be the slump in railroad and other stocks during the past three weeks and trouble in the Lake Superior Company, in which many in this city are interested. The stores all report having received splendid treatment from the local rose growers as to the quality of stock sold them. Of course, some complain about prices, but let the grower, retailer and buyer settle that.

Flower Market.

Business continues to improve at the market and all those selling their products there are well satisfied. So far, all flowers are cleaning up well every day. The latest addition as a stall-holder is Wm. A. Walton, Oxford, Chester County, Pa., a carnation grower. In talking with him on Tuesday he is much gratified at the way his flowers are selling, and is only sorry that he cannot bring in twice as many.

Manager Meehan reports daily demands for double violets, and is looking for a few consignors in this line.

Bayersdorfer & Co. will occupy their space next week with florists' supplies. Leo. Niessen has all kinds of wrapping paper, wire designs, paper boxes, etc., on sale, so that every week makes the market more complete.

Robert Crawford, Jr., says he has had six busy weeks of very profitable business. He certainly has a very handsome store now. Changes and additions have been made for several years past, and every detail seems right. The neighborhood in which he is located is worthy of such a store, as if the blue book is consulted a vast amount of wealth can be found in the two or three blocks around him.

Horace T. Dumont has made quite a reputation as a fire fighter. His father woke him at 3.30 a.m. Monday, as there was a strong smell of smoke in the house; but it was an hour later before any fire was located. Then it was found in a partition between the kitchen and dining room. Fully $1,000 worth of furniture and carpets were ruined before it was subdued.

Florists' Club.

Next Tuesday is meeting night. All growers of new carnations are invited to send some flowers. There will be a smoker, with plenty of good cheer, so that a large attendance is expected. Let everyone do his best to make the first meeting of the new year a good one; come even if you cannot stay long.

DAVID RUST.

Cleveland.

Jottings.

The week before Christmas marked the opening of a new flower store on one of the principal streets of our city. The new firm will be known as Westman & Gust. The store is located on Euclid avenue near the corner of Huntington, and on the opening day presented a very neat appearance, the fixtures and interior being of white and gold, with some green worked in places to advantage.

This city seems to be in the heart of cold and severe weather; for almost two weeks has the snow been falling and in that time we have seen the sun but once, and only for a short time at that. This has a telling effect on flowers of all kinds and, I dare say, stock has never been so scarce as at the present time, consequently prices have reached the highest point ever known. The outlook for a New Year's demand is very bright and by the time this letter is in print no doubt all will be rejoicing over the business done.

A Happy and most Prosperous new year is the best word from your correspondent.

G. W. S.

Indianapolis, Ind.

Notes.

A large number of spruce trees in tubs, which had decorated the front of Bertermann Bros., and which had been a white elephant as far as the sale of them was concerned, were sold at Christmas Eve. The supply of cut Christmas trees in the city had been exhausted and Bertermann accommodatingly sawed off his trees at accommodating prices.

A. Wiegand & Sons report a fine business. High-priced stock sold readily with them.

Market business was good, although a number of the florists sold nearly everything at wholesale.

John Heidenreich had a nice collection of azaleas, begonias and bulbous plants which brought good prices.

John Rieman reports a good business, but complained of the prevailing wholesale prices, which were, in many cases, exorbitant.

Wm. Billingsley had the most prosperous Christmas business of his experience.

Although the Christmas trade was exceptionally good, business at the present time is not up to the standard of former years.

I. B.

FREDONIA, N. Y.—Fire threatened the building of the Roesch Nursery & Feed Company Christmas afternoon. It started in the office of the company, and was seen from the residence of Mr. Roesch, nearby, from which a fire alarm was turned in. The department responded, but the efforts of the neighbors had subdued the flames before the firemen reached the scene. The loss was nominal.

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Bronze or green, $1.00 per 1000; 75c. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100. **Fancy Ferns,** $1.50 per 1000. **Green Sheet Moss,** fresh stock, $2.50 per bbl. sack. **Sphagnum Moss,** $1.50 per bale. **Southern Wild Smilax,** 60 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50.

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57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, December 31, 1902.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	30.00 to 50.00
	" extra	25.00 to 30.00
	" No. 1	15.00 to 20.00
	" Culls & ordinary	6.00 to 10.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	15.00 to 20 00
	" extra	10.00 to 12 00
	" No. 1	6.00 to 8.00
	" No. 2	3.00 to 5.00
	Golden Gate	4.00 to 20.00
	Liberty	10.00 to 40.00
	Meteor	4.00 to 15.00
Adiantum		...... to .75
" Peter Crowe		...... to 1.50
Asparagus		25.00 to 50.00
Callas		10.00 to 15.00
Cattleyas		25.00 to 60.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		2.00 to 3.00
	Standard Varieties	White	3.00 to 4.00
		Pink	3.00 to 4.00
		Red	3 00 to 4.00
		Yel. & Var.	3.00 to 4.00
	*Fancy— (*The highest grades of standard var.)	White	5.00 to 6.00
		Pink	5.00 to 8.00
		Red	5.00 to 8.00
		Yel. & Var.	5.00 to 8.00
	Novelties		8 00 to 12 00
Lilies			12.00 to 20.00
Lily of the Valley			3.00 to 4.00
Narcissus—Paper White			2.00 to 3.00
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
Roman Hyacinths			2.00 to 3.00
Smilax			12.00 to 15.00
Sweet Peas			1.50 to 2.00
Tulips			.... to 2.00
Violets			.75 to 2.00
" special			2.00 to 2.25

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Boston.

The Week's News.

At the retail stores a very satisfactory Christmas trade has been done. All report very heavy plant sales, but cases where such increased at the expense of the demand for cut-flowers are rare. Gloire de Lorraine begonias, poinsettias and ardisias did not clean out as well as usual, and, as has been the rule, white flowering plants did not sell fast. Colored azaleas, cyclamen, primroses and Jerusalem cherries went well, and English hollies exceptionally so, the majority of them this season being well shaped and well berried plants. There was little call for plants in baskets or those decorated with ribbons.

Among cut-flowers, all colored things sold well. White roses moved about as slow as anything, for, unlike the grower, the retail dealer cannot insist on a customer, who wants Bridesmaid taking some Bride with them. Violets, though not so numerous as in other years, did not sell quite so well; no doubt buyers were afraid of the high prices which some "enterprising" dealer probably gave to a newspaper reporter, who published a weird story of the fabulous figures, prices and immense profits which florists were deriving from the sale of violets at Christmas. Good carnations, even at the figures to which they ran, sold out very well, and here it was easier to dispose of white ones in mixed lots, which are more popular in the case of carnations than for roses.

The cottage on William W. Edgar's new place at Waverly was burned Friday night.

Geo. A. Sutherland's last shipment of holly included some of the best cases that have been opened in Boston in many years, and it seems a pity that such fine material did not arrive earlier in the week.

R. & J. Farquhar's new rose, The Farquhar, is now ready for the market, and will be sent out April 1. This rose originated with Jackson Dawson, is a cross of Rosa Wichuraiana and Crimson Rambler, and should prove a grand companion to this latter rose. The novelty was the result of more than four hundred crossings. This rose was purchased by Messrs. Farquhar, and was exhibited by them at Horticultural Hall last Spring.

The regular meeting of the Massachusetts Horticultural Society will be held Saturday. The compromise committe will report a new constitution at this meeting.

A number of the employees at the Waban Rose Conservatories have organized a club for the support of the baseball team during next season. Bob Dunn, the captain of last year's team, was chairman. They organized as "The Waban Rose Field Club," with the following officers: Arthur Turner, president; Henry Goldrick, vice-president; A. Parker Montgomery, treasurer, and Andrew R. Kennedy, secretary. It is proposed to open the baseball season on April 19, and another successful season is confidently looked forward to.

The greenhouses of F. W. Fletcher, at Auburndale, were frozen solid on the night of December 27. The temperature outside was below zero, and the only available fuel green wood and hard coal dust. Expected supplies of coal came next day—too late to save the two houses of carnations, two of violets, and three of palms, ferns, azaleas and miscellaneous stock. Mr. Fletcher has met with heavy losses from fire and flood during the past year, and will discontinue business for the present.

F. J. NORTON.

Providence, R. I.

News Notes.

A. Rennie was "long" on holly, and reports no profit. There was too much cheap stock in the open market and he was obliged to carry over quite a few cases of high-priced holly.

T. J. Johnston and O'Connor report good holiday business although the latter had too many dinner parties to allow him to hold anything back for Christmas.

Alexander Miller has lost his wife and baby. The entire trade unite in expressions of sympathy.

The Florists' Club holds its annual banquet at the next meeting, Thursday, January 8. Full particulars will be mailed to all in the trade. This is one of the few events of the year when the florists meet on neutral ground, and proceed to enjoy the good things of life.

C. S. M.

New Haven, Conn.

The New Haven County Horticultural Society held its last meeting of the year on December 16. Since the society was reorganized two years ago it has had an uphill fight, but the future looks brighter. There is a nice little sum in the treasury. Mr. Thompson, of West Haven, consented to read a paper on carnations next month. The election of officers will take place at the meeting to be held January 6.

Max E. Kraus had to close up his greenhouses, being unable to secure coal. The boys stand ready to help him all they can to restock when he opens up again. The coal question has been a hard one to deal with, but this is the first freeze that has happened here.

W. McL.

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GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Dec. 31, 1902	Phil'delphia Dec. 30, 1902	Baltimore	Buffalo Dec. 30, 1902	Pittsburg Dec. 29, 1902
Roses	A. BEAUTY, fancy—special	...... to 100.00	..... to	...... to	75.00 to 125.00	80.00 to 120.00
	" extra	..... to 75.00	50.00 to 100.00	...... to	50.00 to 60.00	50.00 to 65.00
	" No. 1	35.00 to 50.00	30.00 to 40.00	...... to	..... to	16.00 to 32.00
	" Culls and Ordinary	12.00 to 25.00	10.00 to 15.00	..... to	...... to	6.00 to 12.00
	Queen of Edgely	25.00 to 100.00	30.00 to 100.00	...... to	.... to	...... to ......
	Bride, 'Maid, fancy—special	..... to 20.00	...... to	...... to	20.00 to 25.00	.... to 20.00
	" extra	...... to 16.00	15.00 to 25.00	..... to	15.00 to 18.00	12.00 to 15.00
	" No. 1	8.00 to 12.50	10.00 to 12.00	...... to	10.00 to 12.00	6.00 to 10.00
	" No. 2	3.00 to 6.00	6.00 to 8.00	...... to	6.00 to 8.00	3.00 to 5.00
	Golden Gate	...... to	6.00 to 12.00	...... to	5.00 to 15.00	...... to ......
	K. A. Victoria	...... to	6.00 to 12.00	...... to	to ..	..... to ......
	Liberty	6.00 to 35.00	15.00 to 40.00	...... to	8.00 to 25.00	6.00 to 15.00
	Meteor	4.00 to 12.50	8.00 to 12.00	...... to	5.00 to 20.00	4.00 to 10.00
	Perle	...... to	6.00 to 10.00	..... to	6.00 to 10.00	4.00 to 10.00
ORCHIDS	Cattleyas	..... to	..... to 60.00	...... to	..... to	..... to ......
	Cypripediums	12.50 to 14.00	.... to 15.00	..... to	..... to 15.00	..... to ......
Carnations	Inferior grades, all colors	...... to	..... to	...... to	...... to 2.00	1.50 to 2.00
	STANDARD VARIETIES White	...... to 2.50	1.50 to 2.00	...... to	3.00 to 5.00	2.50 to 3.00
	Pink	...... to 3.00	1.50 to 2.00	...... to	3.00 to 5.00	2.50 to 3.00
	Red	...... to 3.00	1.50 to 2.00	...... to	3.00 to 5.00	2.50 to 3.00
	Yellow and var.	..... to 3.00	1.50 to 2.00	...... to	3.00 to 5.00	2.50 to 3.00
	*FANCY (*The highest grades of standard var) White	4.00 to 5.00	4.00 to 5.00	...... to	6.00 to 8.00	4.00 to 5.00
	Pink	4.00 to 5.00	4.00 to 5.00	...... to	6.00 to 8.00	4.00 to 5.00
	Red	4.00 to 5.00	4.00 to 5.00	...... to	6.00 to 8.00	4.00 to 5.00
	Yellow and var.	4.00 to 5.00	4.00 to 5.00	...... to	6.00 to 8.00	4.00 to 5.00
	NOVELTIES	...... to 6.00	..... to	.... to	10.00 to 12.00	..... to ......
	ADIANTUM	.75 to 1.00	..... to 1.00	..... to	.75 to 1.25	1.00 to 1.25
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	...... to	10.00 to 60.00	20.00 to 50.00
	CALLAS	10.00 to 12.50	..... to	...... to	12.00 to 15.00	...... to ......
	CHRYSANTHEMUMS Ordinary	...... to	...... to	...... to	...... to	.... to .....
	" Fancy	...... to	..... to	..... to	...... to	...... to .....
	DAISIES	..... to	1.50 to 2.00	...... to	...... to	1.00 to 1.50
	GALAX LEAVES	..... to	...... to .10	...... to	.10 to .15	...... to ......
	HYACINTHS	2.00 to 2.50	...... to	...... to	3.00 to 4.00	1.00 to 3.00
	LILIES	10.00 to 12.50	...... to	...... to	15.00 to 20.00	15.00 to 25.00
	LILY OF THE VALLEY	2.00 to 5.00	4.00 to 5.00	..... to	3.00 to 4.00	3.00 to 5.00
	MIGNONETTE—Ordinary	3.00 to 4.00	3.00 to 4.00	...... to	3.00 to 5.00	2.00 to 4.00
	" Fancy	6.00 to 8.00	...... to	...... to	6.00 to 8.00	...... to ......
	NARCISSUS	1.50 to 4.00	3.00 to 4.00	...... to	3.00 to 4.00	2.00 to 3.00
	SMILAX	12.50 to 15.00	...... to 15.00	...... to	..... to 15.00	12.00 to 15.00
	STEVIA	2.00 to 2.50	...... to	...... to	...... to	...... to ......
	SWEET PEAS	...... to	1.00 to 2.00	...... to	...... to	2.00 to 3.00
	VIOLETS	1.00 to 2.00	1.50 to 2.00	...... to	1.50 to 3.00	1.00 to 2.50
	......	..... to	...... to	...... to	...... to	...... to ......

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New Jersey.

Orange, N. J.

Floricultural aspects are bright and promising here. Local trade began much earlier than last year, and has kept up without a break to the present time, handicapped as we have been by the coal famine, yet fortunate in a supply of hard wood. Some weeks ago John N. May was on his two hundredth cord. Some of our men have drawn off the water from their boilers and given up in disgust, but more have made the best of the situation, and received their reward in the way in which the public has cheerfully paid the necessarily increased prices. Carnations reached $2.00 per dozen last week, and orchids, to the retailer ,were 75c. each.

Popkin & Collins have been busy with cut flowers, and many made-up pieces. John McGowan made about equal sales of potted plants and flowers. Read makes an attractive window with his primroses. Linum trigynum, the yellow flax of India, has found a ready sale, probably because of its attractive appearance in the window, the clear yellow contrasting so pleasantly with the primroses and cyclamen. Emil Decker has had this plant, and reports its ready sale. His business shows an increase over last year.

Bernard Kuhn, at M. J. Lyons', shows a variety of rose blooms and carnations. Ethel Crocker has not made the yield he anticipated. He is getting some good cuts from Norway.

There is a new tenant where Roper & Harvey were last year—Perry S. Watson. He has secured James Greer, formerly of Madison. There are four houses of roses here—three of Bridesmaid and one of Bride. The cut from these one day last week was 800 blooms, one house of Bridesmaid yielding 177 flowers. The plants were put in the bench last July, from two-inch pots; they show fine, clean foliage, and while the pipes were coated after the usual method, Mr. Watson lays the satisfactory results to the regular dusting of lime and sulphur. Benjamin Fenner apparently has not commenced to cut yet. The Jap, two blocks below, has sold his glass, and is making up baskets and fern balls for the trade.

At South Orange, Bradbury has a store on South Orange avenue, besides the houses some distance from town. There is a tendency around here for the growers to seek a home market for their stock in addition to their regular commissions. Theo. Holicek, after a busy Summer in landscape work, has an attractive stock of potted plants and flowers.

At W. A. Manda's a clean sweep has been made of many benches. The popular taste again this season demanding bright colors, 1,500 Dracæna terminalis were sold in New York alone. Relying on this, Mr. Manda is in hopes of introducing Ruellia macrantha in place of the azalea next season, and has a large stock. The plant is rapid in growth, bright and effective in color, and easy of cultivation, being of softer wood. Among the wonders of his collection of orchids is a Lælia anceps four feet in diameter, which, when in bloom, a month hence, will be worthy a visit. The plant has 32 spikes.

At East Orange, Kershaw Clegg has opened a store at 587 Main street, returning to his houses on Valley road, West Orange, formerly rented by Henry Good, who is confining himself to his houses near the Rosedale cemetery. Clegg has made sales of Christmas greens, and his poinsettias formed an attractive window amid these, and palms.

Massman speaks of an increased sale of fine flowers, particularly the finer carnations, and some orchids.

Among the growers, George Atkinson, at Llewellyn Park, and the Willowmead greenhouses, speak of good sales this season. Atkinson continues to rent the additional houses on the Northfield road.

J. B. D.

Kalamazoo, Mich.

Jottings Here and There.

The weather must have considerably curtailed the casual trade, a severe snowstorm setting in about 3 a. m. on the 24th, and lasting over Christmas. This made deliveries hard, and entailed much extra work in getting out orders. Outside the florists' supplies, there did not appear to be much holly and green in evidence; and I did not notice the elaborate Christmas displays of holiday goods among our merchants, as is usual here. The advanced express rates cause indignation here, as elsewhere, most of us thinking we had enough to contend with already; what with the bad weather and high prices for coal.

Garrett Van Bochove took unto himself a wife last week, and has the congratulations of the trade. He is the senior member of the firm of Van Bochove & Bro. The firm reports good business this Fall.

Mr. Cook, of the Central Nursery Co., has a seedling carnation of good size and habit, which will prove a good thing if it carries out its promise. So I think the Van Bochove's have, if I remember rightly, and a big one, too.

The Dunkley Floral Co. was fortunate to get a nice batch of poinsettias in for Christmas, which sold well. This firm also cut well of carnations, as, in fact, did we all. I think the general cut of flowers averaged a little better than usual all round, from what I hear.

S. B.

Ithaca, N. Y.

Henry Bool has been awarded first prize by the Women's Club of Ithaca, for the best-kept lawn and garden. The Sunday Herald, of Syracuse, pictures Mr. Bool's grounds, before and after completion. They are certainly a credit to him, and should be productive of increased business in this line.

Syracuse, N. Y.

Florists here have had a very hard row to hoe through the Fall months, as August, September, October and November were unusually warm, and forced roses and carnations too much. Since then the shortage and high price of fuel, and the continued dull weather, have caused a shortage of stock all around. Business has been very good owing to the many large funeral orders and social functions.

Superintendent of Parks D. A. Campbell has been seriously ill with congestion of the lungs. He is now on the road to recovery.

Henry Morris has been confined to the house by illness for the past week.

H. Y.

SYRACUSE, N. Y.—The Christmas demand was greater this year than last, with higher prices prevailing. There were practically no flowering plants in the market save primulas and cinerarias. Palms and Boston ferns sold well, with the latter in the lead. In cut flowers, of course, carnations led at an average of $1.50 per dozen, with $2.00 to $2.50 for specials. Bride and Bridesmaid roses sold at $3.00 on an average, but some selected stock went as high as $6.00. American Beauty sold at $1.00 to $2.00 each; Meteor, $4.00; a dozen; lily of the valley, $1.25; Roman hyacinths, $1.00; Paper White narcissus, $1.00. L. E. MARQUISEE.

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For **CUT FLOWERS, SEEDS, BULBS** and **SUPPLIES** for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.

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House in Chicago
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Wholesale Dealers and Growers of
CUT FLOWERS
75 WABASH AVE., CHICAGO, ILL.
Greenhouses at Hinsdale, Ill.
L. D. 'Phone at Chicago, Main 223.
L. D. 'Phone at Hinsdale, No. 10.

McKELLAR & WINTERSON
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47 49, WABASH AVE., CHICAGO ILL.

Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Chicago Dec. 29, '02	St. Louis Dec. 29, '02	Cincinnati Dec. 29, '02	Milwaukee Dec. 28, '02	Detroit Dec. 30, '02
Roses		A. BEAUTY, fancy—special	85.00 to 100.00	...... to 75.00	60.00 to 75.00	50.00 to 80.00	...... to 100.00
		" extra	65.00 to 85.00	50.00 to 65.00	40.00 to 50.00	25.00 to 35.00	...... to ......
		" No. 1	50.00 to 65.00	25.00 to 45.00	25.00 to 35.00	12.50 to 15.00	...... to ......
		" Culls and Ordinary	12.00 to 16.00	10.00 to 20.00	4.00 to 8.00	8.00 to 10.00	...... to 10.00
		Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
		Bride, 'Maid, fancy-special	12.00 to 15.00	...... to 10.00	10.00 to 12.00	...... to 15.00	...... to 12.00
		" extra	10.00 to 12.00	...... to 8.00	8.00 to 10.00	...... to 12.00	...... to 8.00
		" No. 1	8.00 to 10.00	5.00 to 6.00	6.00 to 7.00	...... to 8.00	...... to 6.00
		" No. 2	6.00 to 8.00	3.00 to 4.00	4.00 to 5.00	...... to 4.00	...... to 4.00
		Golden Gate	10.00 to 15.00	6.00 to 8.00	8.00 to 10.00	8.00 to 15.00	...... to ......
		K. A. Victoria	...... to	...... to	...... to	8.00 to 12.00	...... to ......
		Liberty	6.00 to 35.00	5.00 to 10.00	6.00 to 10.00	15.00 to 18.00	...... to ......
		Meteor	6.00 to 18.00	5.00 to 8.00	4.00 to 8.00	12.00 to 15.00	6.00 to 15.00
		Perle	6.00 to 12.00	4.00 to 6.00	...... to	8.00 to 10.00	4.00 to 10.00
ORCHIDS		—Cattleyas	...... to 60.00	...... to	...... to 60.00	...... to	...... to 50.00
		Cypripediums	...... to 25.00	...... to	...... to 25.00	...... to	...... to 25.00
Carnations		Inferior grades, all colors	2.50 to 3.00	1.00 to 2.00	...... to	...... to 3.00	...... to 4.00
	STANDARD VARIETIES	White	4.00 to 6.00	3.00 to 4.00	...... to 2.00	...... to 3.00	...... to ......
		Pink	3.50 to 5.00	3.00 to 4.00	...... to 2.00	...... to 3.00	...... to ......
		Red	4.00 to 8.00	3.00 to 4.00	...... to 2.00	...... to 3.00	...... to ......
		Yellow and Var.	4.00 to 5.00	3.00 to 4.00	...... to	...... to	...... to 2.00
	*FANCY— (*The highest grades of standard var)	White	5.00 to 6.00	...... to 5.00	4.00 to 6.00	4.00 to 6.00	...... to 6.00
		Pink	4.00 to 6.00	...... to 5.00	4.00 to 6.00	4.00 to 6.00	...... to ......
		Red	5.00 to 8.00	...... to 5.00	4.00 to 6.00	4.00 to 6.00	...... to ......
		Yellow and Var.	6.00 to 7.00	...... to 5.00	4.00 to 6.00	4.00 to 6.00	...... to 4.00
		NOVELTIES	7.00 to 10.00	...... to	...... to	...... to	...... to ......
		ADIANTUM	.50 to .75	...... to 1.00	1.00 to 1.50	...... to 1.00	...... to 1.50
		ASPARAGUS	20.00 to 75.00	10.00 to 30.00	30.00 to 60.00	...... to	20.00 to 75.00
		CALLAS	15.00 to 20.00	12.50 to 15.00	...... to 10.00	...... to 12.50	12.50 to 15.00
		CHRYSANTHEMUMS—Ordinary	...... to	...... to	...... to	...... to	...... to ......
		" Fancy	...... to	...... to	...... to	...... to	...... to ......
		DAISIES	1.00 to 2.00	...... to	...... to	...... to .15	...... to ......
		GALAX LEAVES	...... to .15	...... to .15	...... to .15	...... to	.10 to .15
		HYACINTHS	...... to	3.00 to 4.00	...... to 3.00	...... to	2.00 to 4.00
		LILIES	...... to 20.00	...... to	15.00 to 20.00	...... to	...... to 16.50
		LILY OF THE VALLEY	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00	...... to	...... to ......
		MIGNONETTE—Ordinary	4.00 to 5.00	...... to 5.00	...... to	...... to	...... to 5.00
		" Fancy	6.00 to 8.00	...... to 6.00	...... to	...... to	...... to 6.00
		NARCISSUS	3.00 to 4.00	...... to 3.00	3.00 to 4.00	...... to	4.00 to 5.00
		SMILAX	12.00 to 15.00	...... to 15.00	12.00 to 15.00	...... to 18.00	12.50 to 15.00
		STEVIA	1.50 to 2.50	1.00 to 1.50	...... to	...... to	...... to .50
		SWEET PEAS	1.00 to 1.50	...... to	...... to	...... to 3.00	...... to 1.00
		VIOLETS	1.50 to 3.00	...... to 1.00	1.00 to 2.00	1.50 to 2.50	1.00 to 2.00
		......	...... to	...... to	...... to	...... to	...... to ......

J. B. DEAMUD
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
51 and 53 Wabash Ave., CHICAGO

JOHN MUNO
Wholesale Grower and Shipper of
Cut Flowers
51 Wabash Ave. Room 221, Chicago
Telephone Central 8598. All telegraph and telephone orders given prompt attention.

All Leading Varieties of Roses and Carnations
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Wholesale Cut Flowers
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Telephone 4937—Main.
HEADQUARTERS FOR AM. BEAUTIES

WIETOR BROS.
WHOLESALE GROWERS OF
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Wholesale Florist
1322 Pine Street
ST. LOUIS, MO.

HOLTON & HUNKEL CO.
Wholesale Florists
and Florists' Supplies
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone Main 874. P. O. Box 103

Wholesale Cut Flowers
and
Florists' Supplies
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

AUBURN, N. Y.—Christmas business was very good. Carnations sold at retail at 75c. to $1.50; roses at $1.50 to $2.00 per dozen; American Beauty, $4.00 to $5.00 each. In plants, peppers and poinsettias were in demand; and holly and other seasonable stock sold satisfactorily.

BINGHAMTON, N. Y.—Prices at Christmas were as follows: American Beauty roses, $5.00 to $12.00 per dozen, on orders only; tea roses, $1.50 to $3.00 per dozen, all sold; carnations, 80c. to $1.50 per dozen, all sold. Violets were scarce and of poor quality, bringing $1.00 to $3.00 per 100. Lily of the valley was not in large supply at $3.00 to $4.00. Roman hyacinths were all disposed of at $4.00 per 100. Holly and pine, in wreaths and bulk, all sold. Plants, blooming and foliage, were in fair supply, and sold freely at moderate figures. On the whole, trade showed an advance of about one-third over last year's. J. B. TULLY.

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122 WEST 25th STREET, NEW YORK,

Importers and manufacturers of . . . . . **FLORISTS' SUPPLIES,** Galax Leaves and all Decorative Greens. . .

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We have facilities everywhere { For **HANDLING COLLECTIONS**
For **SECURING REPORTS. . . .**

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THE NATIONAL FLORISTS' BOARD OF TRADE.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size.	Per 100.	1000.
No. 1.—3x4½x16	$1.75	$15.00
No. 2.—3x6x18	2.00	18.00
No. 3.—4x8x18	2.40	22.00
No. 4.—3x6x20	2.75	25.00
No. 5 —4x8x22	3.00	28.00
No. 6.—4x8x28	3.75	35.00

THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6 00
1000	3 " "	5 00
800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4 51
144	6 " "	3.16

		Price per crate
120	7 in. pots in crate,	$4.20
60	8 " "	3.00
	HAND MADE.	
48	9 in. pots in crate,	$3 60
48	10 " "	4 80
24	11 " "	3 60
24	12 " "	4.80
12	14 " "	4 80
6	16 " "	4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**
Or August Rolker & Sons, New York Agents,
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RED POTS

OF US?

STANDARD SIZE

Quality—No Better.

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Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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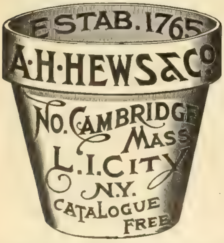
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A·H·HEWS & CO.
NO. CAMBRIDGE MASS.
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CATALOGUE FREE

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Stems, bales, 200, 350 and 500 lbs., 75c. per 100.
Dust, packages, 25-50-100 lbs., 3 cts. per lb.

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Pure **Bone Meal**, specially for greenhouse uses; about 5 per cent. **Nitrogen,** 30 per cent. **Bone Phosphate.** 166-lb. bag, $3.25; half ton, $17.50; ton, $32.50. Cash with order.

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For Florists, is the Latest.

Both plain and in colors. Samples free by

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10,000, $1.50: 50,000, $6.25.

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Gray Squirrels, $3.00 a pair; Flying and small Red Pine Squirrels, $2 00 a pair.
Send for large Free Catalogue.

SCHMID'S BIRD EMPORIUM,
Washington, D. C.

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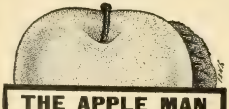
SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**



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above all others is the one who needs to spray. Good, smooth, even sized, disease-free, salable apples are now an impossibility without spraying. For the apple man's use nothing quite equals our

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Submerged brass cylinder, brass ball valves, everlasting plunger packing, automatic agitator. Unequalled for durability, ease of operation, free water ways. Eighteen styles of sprayers Catalogue with formulas and testimonials free.

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According to directions, and cease suffering from Black Spot or Insects on any of your Rose Plants. . . . . .

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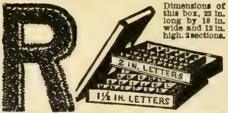

Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
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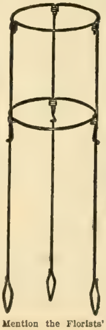

Model Extension Carnation Supports

With 2 or 3 circles.

Indorsed by the leading carnation growers as best support on the market. Prompt shipment guaranteed.

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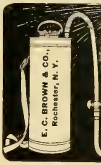
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PUMP, THEN SPRAY.

One at a time. 15 seconds pumping charges with enough air to run

The Auto-Spray

10 minutes and cover ¼ acre. Perfectly Automatic, operator merely walks and directs nozzle Spray from fine mist to solid stream Any boy can work it. Brass working and contact parts make it perfect working and durable. For poultry houses, vines, trees, etc. Catalog P free Shows the best line of all size, all purpose sprayers made. Write for agency.

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Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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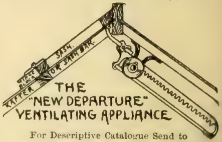
IF YOU WANT A

GOOD SASH LIFT

For a Very Little Money, Get



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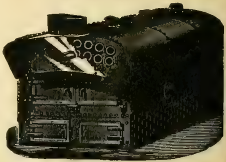
KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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Improved Recording Thermometer

JUST THE THING FOR YOUR

GREENHOUSE.

No 1
STANDARD THERMOMETER.

No. 200.
Send for catalogue and prices.

The Helios-Upton Co.,
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THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
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Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE A. T. Stearns Lumber Co.,
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CYPRESS GREENHOUSE MATERIAL OF ANY DESCRIPTION

JOHN C. MONINGER CO.

WRITE FOR CATALOGUE

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Substitutes for Coal.

Prof. Charles L. Norton, Assistant Professor of Heat Measurements at the Massachusetts Institute of Technology, makes public the results of his experiments on the heat values of different substitutes for coal. A British thermal unit is the heat required to heat one pound of water one degree Fahrenheit. Following is Prof. Norton's table:

	Heat Units per Pound.
Anthracite	15,000 to 16,000
Bituminous coal	14,000 to 15,000
Coke	10,000 to 14,000
Hardwood	8,000 to 9,000
Charcoal	12,000
Peat	10,000
Coal peat briquettes	10,000 to 13,000
Kerosene	20,000 to 25,000
Gasoline	20,000 to 25,000
Boston gas	650 per cubic foot

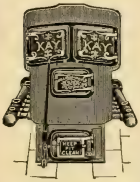
This gives a basis for an estimate of the cost of an equal amount of heat obtained from each of the fuels:

	Heat Units for One Cent.
Coal, $12 per ton	23,000
Wood, $10 per cord	27,000
Oil, 12 cents per gallon	12,000
Coke, $10 per ton	24,000
Gas, $1 per 1,000 cubic feet	6.500

—New York Times.

NASHVILLE, TENN.—Trade opened brisk on Monday before Christmas and the rush continued until after Christmas. Joy & Son had quite a supply of 10-inch pans of Begonia Gloire de Lorraine, maidenhair fern and Asparagus plumosus, which sold readily at from $1.50 to $2.50. Hyacinths in pans went at from $1.00 to $2.00. Azaleas sold well, bringing $2.00 to $10.00. American Beauty roses went at from $5.00 to $12.00 for the best; Bride and Bridesmaid at $2.00, $2.50 to $3.00 per dozen. Prosperity and Mrs. Thomas W. Lawson carnations brought from $1.50 to $2.00 per dozen; other varieties, 75c. to $1.00 and $1.50. Violets went well at $2.00 per hundred. All in all, trade has been brisker than in any previous year.

B. F. H.



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HEATING BUILDING Ventilating BOILERS (Triple Fire Travel)

WROUGHT IRON PIPE, FITTINGS, VALVES, HOSE.

Send for Catalogue.

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MASTICA FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
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Mention the Florists' Exchange when writing.

GLASS For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.
FRENCH or AMERICAN.

BENT GLASS

VANHORNE, GRIFFEN & CO.,
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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. DILLER, CASKEY & CO., Successors to JENNINGS BROS.,
S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

SELF-OILING VENTILATING APPARATUS FOR GREENHOUSES

PLEASE NOTE THE OIL CUPS.

LOW COST. SATISFACTION GUARANTEED.
Estimates furnished for CYPRESS GREENHOUSE MATERIAL; also for our PATENT IRON GREENHOUSE CONSTRUCTION.

Write for Circulars of
HOTBED SASH AND FRAMES.
We make a special Greenhouse PUTTY.

Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue, mailed from our New York office on receipt of five cents postage for each.

LORD & BURNHAM CO.,

NEW YORK OFFICE, St. James Building, Broadway & 26th St.
GENERAL OFFICE AND WORKS, Irvington-on-the-Hudson, N. Y.

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GREENHOUSE CYPRESS

FOR THE COMMERCIAL AND PRIVATE GROWER.

Construction the Latest,
Material the Best,
Prices Reasonable.

WRITE FOR BOOKLET.

THE GREENHOUSE MFG. CO.,
32 E. Third St., Cincinnati, O.

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THE STANDARD VENTILATING MACHINE

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

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Dillon's Greenhouse Mfg. Co., BLOOMSBURG, PA.

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

☞Our descriptive circular contains valuable information for every florist. Send for it.

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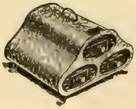

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GREENHOUSE GLASS AT WHOLESALE

GULF CYPRESS
GREENHOUSE MATERIAL
HOT BED SASH

Special Greenhouse Putty

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MANUFACTURERS
1365 to 1373 FLUSHING AVENUE
BROOKLYN, N.

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Send 4 cts. stamps for Boiler Catalogue

WE FURNISH EVERYTHING FOR BUILDING

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The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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Standard Greenhouse Boilers

One cent gets our Catalogue.

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Holds Glass Firmly

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Glazing Points are the best. No rights or lefts. Box of 1 000 points 75 cts. postpaid.

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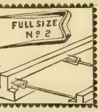

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Send for Illustrated Catalogue.

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PHILADELPHIA

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	Per 100
Hermosa Roses, strong plants	$10.00
Clematis Paniculata, strong plants	10.00
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Pansies, in bud	1.00
Primula Forbesii, in bloom, 2½ in. pots	3.00
Sanseviera Zeylanica, strong, 3 in. pots	8.00

C. EISELE, 11th and Jefferson Streets, **Philadelphia, Pa.**

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass. Painters' Supplies.

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TO KILL ALL

Greenhouse Bugs

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"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray**. Ask your seedsman for it or write to

The Tobacco Warehousing and Trading Co.,
1004 Magnolia Ave., - Louisville, Ky

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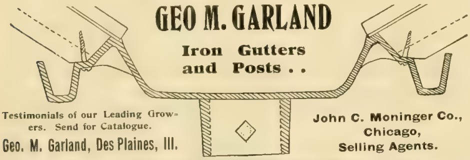

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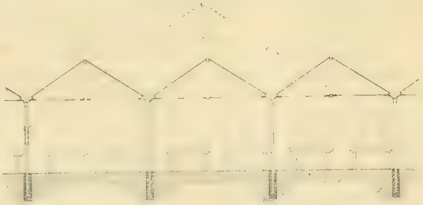

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (PATENTED)

Approved and Adopted by Leading Florists all over the Country.

WE CLAIM THE FOLLOWING ADVANTAGES:

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.

Perfect Guttering. Cool in Summer and easy to heat in Winter. We are willing to prove these claims by testimonials. Write for Sketches and Catalogues.

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Washington Red Cedar and Lousiana Cypress Greenhouse Material, Hot-Bed Sash and Greenhouse Hardware.

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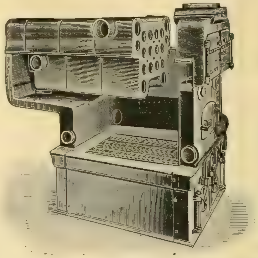

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Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"

for Slate

Send 4c. Postage for Illustrated Catalogue

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THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS

Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

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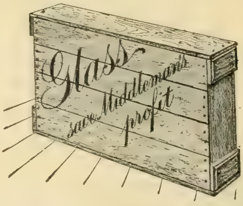

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Established 1847.

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FRENCH GLASS

Direct shipment from abroad.

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A. HERRMANN

MANUFACTURER OF

Floral Metal Designs

Importer and Dealer in FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE
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OFFICE AND WAREROOMS:
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WRITE FOR NEW CATALOGUE.

NEW YORK

Mention the Florists' Exchange when writing.

Supplement with this Issue

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 2 NEW YORK, JANUARY 10, 1903 One Dollar Per Year

C E Stone '03 Hatch Expt Sta

Here Is Another Bargain in Bulbs for Easter Forcing.

All the Paper White Grandiflora, Horsfieldi, Emperor, Empress, and double nosed Von Sion Narcissus offered in last week's issue **ARE ALL SOLD.** We could have sold them two or three times over. People know a good thing when they see it. We offer below some other good stock at equally low prices. If you ca [illegible] of the bulbs offered, let us have order without delay, before we are sold out.

Now t[illegible] days are past, Florists are looking forward to Easter, which comes late this Spring April 12th, so that there is plenty of time to get any of the stock here offered in bloom by that time. Bulbous stock is [illegible]ing for good prices on account of the scarcity of other flowers due to the high price of coal—and as bulbs can be grown in a low temperature, they will make money for you.

Everything offered is in first class shape, and are **GREAT BARGAINS AT THESE REDUCED PRICES. Send for complete list of surplus bulbs, which we are closing out at equally low prices.** When ordering please refer to this special offer.

SMALL SIZED NAMED HYACINTHS.

This is wonderfully fine stock for the price. The bulbs are of large size 12-15 cm. in circumference—and are splendid for Easter forcing, either for cutting or growing in pans. Nothing is more readily salable. Although the price is low, the bulbs are first-class. They will throw almost as good flowers as the larger and higher-priced bulbs. If you have never flowered them, try a thousand or two. You will be pleased with the results. They cannot fail to make money for you.

The following pink varieties **at only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Baron van Tuyll, Gen. Pelissier, Gertrude, Gigantea, Rob. Steiger, Solfatara.

The following blue varieties **at only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Grand Maitre, King of the Blues, La Peyrouse, Chas. Dickens, Blondin, Czar Peter; also Tamerlan [illegible]low.

he following white varieties at **only $2.00 per 00; $16.00 per 1000** (worth $22.00 per 1000), viz.: Baroness van Tuyll, Grandeur a Merveille, Blanchard, L'Innocence, Mme. Van der Hoop, Paix de l'Europe.

FINE NAMED HYACINTHS Single and Double.

We offer also a limited stock of the following varieties in first-sized bulbs, $3.00 per 100; $25.00 per 1000 (worth $35.00 per 1000): La Peyrouse, Regulus, Tamerlan, Grand Lilas, La Pluie d'Or, Gen. Pelissier, Grandeur a Merveille, Bloksberg, Bouquet Tendre, Czar Nicholas, Crown Prince of Sweden, Flevo, Garrick, Grootvorst, Gen. Antinck, King of Wurtemburg, La Tour d'Auvergne, La Virginite, Lord Anson, Lord Raglan, Othello, Prince of Orange, Prince of Saxe-Weimar, Princess Royal.

HYACINTHS In Separate Colors, Single and Double. We still have a few of these left, which we offer as long as unsold at **$2.50 a 100; $20.00 a 1000** (worth $26 a 1000).

WHITE ROMAN HYACINTHS.

We still have a few cases of fine 12-15 centimeter bulbs, which we offer as long as unsold at **$15.00 per 1000** (worth $25.00 per 1000).

NARCISSUS

These prices will speak for themselves: Trumpet Major, Single Von Sion, per 1000, $6.00. Princeps, Poeticus Ornatus, Barri Conspicuus, per 1000, $5.00. Silver Phoenix, Grandis Maximus, per 1000, $15.00.

TULIPS.

Single and Double.

Most of the varieties here offered are among the very best forcing varieties, especially for late or Easter forcing: Rachel Ruisch, Rosamundi Huykman, Bizard Verdict, Couleur Ponceau, La Candeur, Yellow Rose, Lady Grandison, Duke of York, Rose Blanche, Count Leicester, per 1000, $5.00; Cottage Maid, Joost van Vondel, Brutus, Paeony Red, per 1000, $6.00; Tournesol red and yellow, Gloria Solis, Le Blason, Rosine, per 1000, $7.00; Pottebakker white, Duc van Tholl scarlet, Standard Royal Silver, per 1000, $7.50; Rose Grisdelin, Belle Alliance, Mariage de ma Fille, per 1000, $10.00; Proserpine, per 1000, $12.00; Joost van Vondel white, Rose Luisante, per 1000, $20.00.

CALLAS

We have a few hundreds of these, which can be gotten in fine shape for Easter. Extra sized bulbs, 1¼ to 1½ inches in diameter, $3.00 per 100, worth $5.00 per 100; Selected bulbs, 1½ to 1¾ inches in diameter, $4.00 per 100, worth $6.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Asparagus Plumosus Nanus

CUT STRINGS, 50 CTS. EACH.

W. H. ELLIOTT, Brighton, Mass.

NEW CROP SEEDS

FLORISTS' FLOWER SEEDS FOR PRESENT SOWING.

ASTERS	Large Trade Pkt.	Oz.
Semple's and **Vick's Branching,** to color, or mixed, red, white, pink, purple, lavender. 4 ozs. for $3.50	$0.25	$1.00
Queen of the Market, to color or mixed, rose, light blue, white. 4 ozs. for $1 75	.15	.50
Victoria (German seed), to color or mixed, white, scarlet, light blue, dark blue, pink..ea.	.25	2.00
Daybreak, fine new pink sort	.25	2 00
Purity, fine new white sort	.25	3.00
ASPARAGUS Sprengeri. Per 100 seeds, 25c.; 1000 $2 00		
ALYSSUM—		
Little Gem, dwarf	.10	.25
Maritimum, tall	.10	.15
AMPELOPSIS—		
Veitchii........Per lb., $1.00		.15
CANDYTUFT—		
Empress, finest white	.10	.20
White Rocket. Per lb. 60c.	10	.15
CENTEAUREAS—		
Gymnocarpa, white foliage	.15	.50
Candidissima, "	.25	1.00
Margaritæ, Giant White Sultan	.25	.75
Odorata. Giant Red Sultan	.15	.50
Suaveolens, Giant Yellow Sultan	.15	.60
CLEMATIS—		
Paniculata. Per lb., $5 00	.10	40
COBÆA SCANDENS		
Purple........4 ozs. for $1.00	.10	.30
DAISY (Bellis Perennis)		
Snowball, White Double	50	2.50
Longfellow, Red, Double	.50	2.t0

	Large Trade Pkt.	Oz
DRACÆNA INDIVISA New seed ....per lb., $2 50	$0.10	$0.30
IMPERIAL MORNING GLORIES—		
Giant Japanese, lb., $1 50	05	.20
Giant Fringed, " 3 00	10	.40
LOBELIA—		
Crystal Palace Compacta, dwarf blue	.25	2.50
Erinus, trailing blue	.15	.50
MIGNONETTE—		
Allen's Defiance, the best for indoors. Pkt. 2000 seeds for $1.		
Machet	15	.50
PANSY. *Non Plus Ultra.* No better mixture in existence	.50	8.00
PYRETHRUM AUREUM—		
Golden Feather	.10	.30
SMILAX, New Crop Seed. Per lb., $3.50	.10	.25
STOCKS—		
Ten Weeks, choice pot-grown seed double flowers:		
Princess Alice, Cut-and-Come-Again	50	3.00
Separate Colors, or mixed red, white, rose, light blue, purple, etc	.50	2.50
THUNBERGIA Mixed	.10	.25
VERBENA—		
Mammoth Mixed	.25	1.00

PETUNIA. Choicest Dbl. Fringed. Pkt. 25 seeds for 35c. **Grandiflora, Single Fringed.** Pkt. 500 seeds for 50c.

SALVIA SPLENDENS

Scarlet Sage, 1000 seeds, 25c.; oz. $1.75

Drooping Spikes, 1000 seeds, 25c.; oz. $1.75

KENTIA SEED That Will Grow. New Crop. Just Received. **Forsteriana** and **Belmoreana,** per 1000, $4.00; per box of 4000 seeds, $14 00.

JAPANESE FERN BALLS **Now Ready for Delivery.** Large balls, 20 to 30 inches in circumference, $3.50 per doz.; $25.00 per 100, or Full Original Case of 250 each, $60.00.

CLUCAS & BODDINGTON CO

TELEPHONE,
4390 SPRING

812-814 Greenwich St., Cor. Jane St., New York City

Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

B. & A. SPECIALTIES

Ask for Special Trained Fruit Tree Circular.

AZALEAS 5,000 from which to select your stock. In bloom and dormant. See previous ads.

AZALEA MOLLIS, selected plants for forcing, $5.00 per doz.; $40.00 per 100.

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

DEUTZIA Gracilis, pot-grown, $1 50 per doz.; $12.00 per 100.

ENGLISH IVIES, pot grown $10.00, $12.00, $15.00 per 100. **Specimens,** $9.00, $12.00, $15 00 per doz.

LILAC, BRUSSELS, large specimens, will give 15 to 20 flowers, $12 00 per doz.

LILAC (French)

This has been especially grown for forcing, having been disbudded. The flowers can be cut with stems, 3 ft. long. Extra strong bushes, $10 00 per doz., $75 00 per 100.

FOR FORCING.

Pot grown, $6 a doz., $45 a 100. **Chas. X. Marie Legraye, Mme. Lemoine.**

ROSES Per 100, $10.00; per 1000, $90.00. Low budded, two years old. Magna Charta, Paeonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12 00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz., $35.00 per 100.

MANETTI English, $12.00 per 1000. French, $10.00 per 1000.

CLEMATIS, large flowering, finest varieties Jackmanni, Henryi, Duchess of Edinburgh, etc., two year old, field grown, $3.00 per doz., $20.00 per 100. Three year old, field grown, extra strong, $4.00 per doz., $30.00 per 100.

GLADIOLUS, Colvillei alba The Bride, pure white, 50c. per 100, $4.50 per 1000.

GLADIOLUS, Colvillei rubra, 50c. per 100, $4.50 per 1000.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown, $5.00 per doz. **WISTERIA SINENSIS,** pot grown, for forcing, $7.50 per doz. **AMYGDALUS,** double, white and pink, $5 00 per doz. **JAPAN FERN BALLS,** dormant, selected, large bulbs, $3.50 per doz.; $27 50 per 100.

BAY TREES and BOXWOOD. Pyramids and Standards, all sizes. Ask for Special List.

DIELYTRA Spectabilis Bleeding Heart, extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

		100	1000
SPIRÆA	**Japonica**	$4 00	$35 00
"	**Compacta**	4 50	40 00
"	**Astilboides**	5 00	45 00
"	**Gladstone**	8.00	

JAPAN LILIES. See Wholesale Catalogue.

We are pleased at all times to receive [illegible] at our Nurseries. We have 60 acres planted with the most Inter[illegible]k in the country.

ASK FOR SPRING CATALOGUE.

BOBBINK & ATKINS, Ruther[illegible] N. J.

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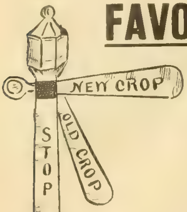

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GLOXINIA GRANDIFLORA, New Large Flowering Upright Variety. COMPACTA ERECTA, Half Trade Pkt., 50 cts.

LOBELIA TRUE CRYSTAL PALACE. Trade Pkt., 25 cts.

VERBENA NEW MAMMOTH MIXED. Excellent Colors, from Named Varieties. Trade Pkt., 25 cts.

CENTAUREA SILVERY LEAVED GYMNOCARPA. Trade Pkt., 25 cts.

W. ELLIOTT & SONS, NEW YORK.

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NEW CROP FLOWER SEEDS

Verbena, Petunia, Salvia, Stocks, etc., etc.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue und Striped. Oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS

$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

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HEADQUARTERS FOR

GLADIOLI

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock of Gladiolus in the world."

We list over 200 named kinds.

		100	1000
POPULAR	Mixed	$0.80	$7.00
ALL COLORS	“	1.00	9.00
CHILDSI	“	1.75	15.00
LEMOINE'S........	“	1.50	10.00
WHITE AND LIGHT.	“	1.50	12.00
SCARLET AND RED	“	1.00	7.00
PINK..............	“	1.25	10.00
BRENCHLEYENSIS.		.75	6.00
CERES............		1.00	8.00
LA MARCK........		3.00	15.00

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Special discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS

Floral Park, New York

Mention the Florists' Exchange when writing.

EARLY ASTERS

ARE THE

MONEY MAKERS

"**Purity.**" Best White.
"**Daybreak.**" Best Pink.
(True Stock)

Per oz., - $2.50

D. LANDRETH & SONS

FLORIST DEPARTMENT

1217 Market St., PHILADELPHIA, PA.

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Fresh Flower Seeds

For Florists

NOW READY

Our New York preliminary list now being mailed. Write for copy.

Dormant Japanese Fern Balls

7 to 9 in., doz. $3.50; 100 $25.00
5 in., doz. 2.50; 100 17.50

Write for prices on Case Lots.

Lily of Valley Pips

Vaughan's International, 1000 $10.00
Cold Storage, - - - 1000 12.00

Write for prices on Case Lots.

VAUGHAN'S SEED STORE,

Chicago
84 Randolph St.

New York
14 Barclay St.

Mention the Florists' Exchange when writing.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

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JAPAN BAMBOO CANES

The BEST in the Market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices:

6½ ft. size, $5.00 per 1000; $45.00 per 10,000.
6 “ 4.75 “ 42.50 “
Sold only in original bundles of 2000 each.

SUZUKI & IIDA, New York

31 Barclay Street

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New Crop Florist Flower Seed

PETUNIA, large-flowering, finest mixed, trade pkt., 50 cts.
SALVIA SPLENDENS, oz., $1.50; trade pkt., 25 cts.
SALVIA BONFIRE, oz., $2 50; trade pkt., 25 cts.
VEBENA, Mammoth, mixed, oz., $1.50; trade pkt., 25 cts.
SWEET PEAS, Blanche Ferry, Emily Henderson, Countess of Radnor, Dark Lavender, per lb., 35 cts.

STUMPP & WALTER CO., 50 Barclay St., NEW YORK. Branch Store, 404 East 34th Street

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EASTER, 1903

As Long as Stock On Hand Lasts, I Offer to the Trade:

	Per 100	Per 1000
Dutch Hyacinths, extra fine, to name....	$3.00	$25 00
Tulips, Murillo, large bulbs..............	1.75	16.00
Tournesol, red yellow..	.80	7.50
Duchess de Parma	.50	4.50
Rosegrisdelin..........	1.00	7.50
Mixed, separate colors..	.40	3.50
Narcissus, Von Sion, mammoth bulbs........	1.25	10.00

	Per 100
Spiræa Japonica, heavy clumps.	$3.00
Compacta Multiflora, heavy clumps	3.50
Floribunda, heavy clumps......	4.00
Lilacs, best forcing varieties, well-budded	45.00

	Per 1
Azalea Mollis, extra fine, well-budded....................	$40.0
Pontica, extra fine, well-budded..	45.0
Japanese Cherries, shrubs, pot-grown, for forcing......	60.0
Pyramids, pot-grown, for forcing.	70.0
Roses, Crimson Rambler, own-roots and grafted	15.0
Hermosa, La France and all H P. varieties................	10.0
Clematis Jackmanni, extra heavy........................	30.0
Deutzia Lemoinel, well-shaped.	15.0

Box Trees, Pyramids, 4 feet high extra fine, $5.00 per pair.
Standard, well-shaped. $5.00 per pai

F. W. O. SCHMITZ, Prince Bay, N. Y

FARQUHAR'S

RELIABLE

FLOWER SEEDS

FOR IMMEDIATE SOWING.

		Oz.
AGERATUM Mexicanum		$0 30
ASTER, American Branching, mixed		1 00
“ “ “ separate colors		1 00
“ Queen of the Market, mixed		50
“ “ “ “ separate colors		60
CANDYTUFT, Giant White	¼ lb., $1.00	30
CENTAUREA, Gymnocarpa		40
CARNATION, Marguerite, choice mixed		1 25

CYCLAMEN, Columbian Prize—	100 Seeds.	1000 Seeds.
Farquhar's Giant White	$1 25	$10 00
Farquhar's Giant Pink	1 25	10 00
Farquhar's Giant Crimson	1 25	10 00

		Oz.
LOBELIA, Crystal Palace Compacta	¼ oz., 50c.	$1 25
“ Gracilis		40
MIGNONETTE, Evans' Boston Giant		1 00
“ Machet		50
PETUNIA, California Ruffled Giant	1-32 oz., $1.25	
SALVIA, Glory of Stuttgart, very fine		2 25
“ Bonfire		2 25
STOCK, Cut-and-Come-Again, white.		3 00
“ Farquhar's White Column	¼ oz., $2.00	
VERBENA, Farquhar's Mammoth Hybrid, mixed		1 00
“ “ “ “ separate colors		1 50

SWEET PEAS—	Oz.	¼ lb.	lb.
Earliest of All	$0 10	$0 15	$0 35
Extra Early Blanche Ferry	05	10	30
Mont Blanc	10	20	60
Katharine Tracy	05	10	30
New Countess	05	10	30

If less than ¼ oz. of a kind is ordered a proportionate advance in price will be charged.

R. & J. FARQUHAR & CO.,

6 & 7 SOUTH MARKET STREET, BOSTON, MASS.

Mention the Florists' Exchange when writing.

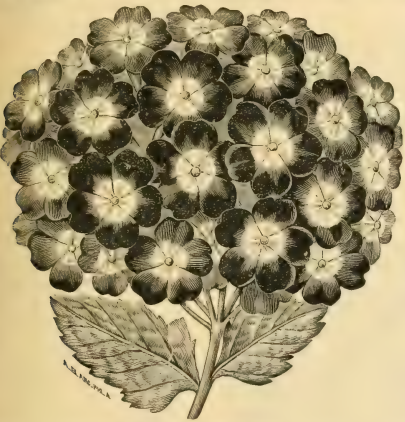
NEW CROP FLOWER SEEDS Unsurpassed Quality.

	Large trade pkt.	Oz.
ASTER Queen of the Market, mixed. The earliest of all...	$0 15	$0 50
" " " " white, pink, crimson and blue	20	60
" Semple's Branching, mixed	20	60
" " " white, crimson, pink, lavender, blue and purple	20	75
BELLIS or DOUBLE DAISY Mammoth, white	30	
" " " Mammoth, mixed	30	
" " " Snowball, white	25	
" " " Longfellow, Dark pink	25	
ANDYTUFT Empress, pure white ... Per lb., $1.50	10	15
OBÆA SCANDENS Blue " 3.00	10	25
YCLAMEN Giant. England's Prize Strain. Has received the highest awards at English shows...... 50 seeds, 40c.; 100 seeds, 75c.; 1000 seeds, $6.00		
IANT SWEET PEAS All the standard sorts ¼ lb., 10c., lb., 25c. Add 8c. per lb. if to be mailed.		
LOBELIA Crystal Palace Compacta (true). Best blue ⅛ oz., 25c.		1 50
MIGNONETTE Machet (true). Best for florists	10	40
PANSY J. & S. Kingly Collection. For substance, immense size, perfection of form and rich colors this strain cannot be surpassed. Half trade pkt. 1000 seeds, 30c.; 2000, 50c.; 5000, $1 00		5 00
SMILAX New Crop ... Per lb., $3.00	10	20
STOCKS Dwarf Large Flowering Ten Weeks, mixed or separate shades	25	2 25
THUNBERGIA Mixed	10	30
ERBENA Mammoth, mixed, an unsurpassed strain	20	1 00
" " separate shades, white, pink, scarlet and purple	25	1 25

Write for our New Wholesale List for Florists.

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

DREER'S RELIABLE SEEDS



DREER'S MAMMOTH VERBENA

Flower Seeds which should be started Early!

ALL NEW (1902) CROP AND OF THE FINEST POSSIBLE QUALITY

Our New Wholesale Price List for 1903 has just been issued. A complete list will be found in same. In case you did not receive a copy, drop us a postal.

	Trade pkt.	Oz.
Ageratum, Blue Perfection, dark	$0.15	$0.50
" Cope's Pet, light	.15	.35
Alyssum, Little Gem, very dwarf	.10	.25
" Tom Thumb, dwarf, erect	.10	.20
" Sweet, trailing	.10	.15
Aster, Queen of the Market, white	.20	.60
" " " " pink	.20	.60
" " " " crimson	.20	.60
" " " " purple	.20	.60
" " " " finest mixed	.15	.50
Begonia semperflorens, mixed	.25	
Browallia speciosa major	.50	
entaurea candidissima	.25	1.50
" gymnocarpa	.15	.35
ineraria maritima	.10	.20
" acanthifolia	.20	.75
obæa scandens, purple	.10	.30
" " white	.20	.75
yclamen persicum, finest mixed	.30	2.00
	Per 100 seeds	Per 1000 seeds
" per. giganteum, white	.75	6.00
" " " blood red	.75	6.00
" " " rose	.75	6.00
" " " white, with red eye	.75	6.00
" " " choicest mixed	.60	5.00
ahlia, Twentieth Century, new, 17c. per pkt.; 5 pkts., 75c.; 12 pkts., $1.75.	Trade pkt.	Oz.
racæna indivisa	$0.10	$0.30
" Australis	.20	.60
ennisetum longistylum	.10	.25
" Rueppeleanum	.15	.40
revillea robusta	.15	.40
eliotrope, Lemoine's Giant, mixed	.40	2.00
" Finest ordinary mixed	.20	.75
pomœa grandiflora (Moonflower)	.15	.50
antana, finest mixed	.10	.20
inaria Kenilworth Ivy	.25	1.25

	Trade pkt.	Oz.
Lobelia, Crystal Palace compacta	$0.30	$1.25
" speciosa, dark blue, trailing	.15	.50
" gracilis, light " "	.15	.40
Petunia, Dreer's Superb Double Fringed, the finest strain of double Petunia in the whole world. 500 seeds, 75 cts.; 1000 seeds, $1.50.		
Petunia, Dreer's Superb Single Fringed	.50	
Pyrethrum aureum (Golden Feather)	.10	.25
Salvia splendens (scarlet sage)	.25	1.00
" Bonfire, dwarf compact	.40	2.25
" Burning Bush, tall	.30	1.50
Smilax, per lb., $3.50	.10	.30
Solanum capsicastrum (Jerusalem Cherry)	.10	.30
Stock, large flowering, 10 weeks, in separate colors	.40	2.25
Finest mixed	.30	2.00
Cut and Come Again (Princess Alice)	.50	3.00
	¼ lb.	lb.
Sweet Peas, Blanche Ferry, extra early, oz., 5c.	$0.10	$0.25
Sweet Peas, Earliest of All, oz., 5c	.10	.30
" " Mont Blanc, oz., 10c	.20	.60
	Trade pkt.	Oz.
Torenia Fournieri	$0.30	$2.00
Verbena, Dreer's Mammoth, pink	.30	1.50
" " " scarlet	.30	1.50
" " " white	.30	1.50
" " " purple	.30	1.50
" " " striped	.30	1.5C
" " " finest mixed	.25	1.00
" hybrida, very fine, mixed	.20	.75
Vinca, rosea	.15	.50
" " alba	.15	.50
" " " pura	.15	.50
" " mixed	.15	.40

HENRY A. DREER, 714 CHESTNUT STREET PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

102,400 two, three and four years old. Largest stock in the country.
Prices on Application.

TOBACCO STEMS

Good as can be bought. Fresh from the factory, here in Elizabeth.
70 cents per 100 lbs.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

MICHELL'S "NEW CROP"

Celebrated Flower Seeds

A few SPECIALS for Early Sowing—SOW NOW.

	Tr. Pkt.	Oz.
Alyssum, Little Gem	$0.10	$0.25
Asters, Queen of Market	.25	.75
" White, Pink, Light Blue	.25	.75
" Dark Blue, Crimson, Mixed	.25	.75
" Michell's "Purity," best White	.30	2.50
" Daybreak, New Pink, True	.30	2.00

For a complete list see our Wholesale Catalogue.
If you have not received a copy drop us a postal.

	Tr. Pkt.	Oz.
Centaurea Imperialis Mixed	$0.20	$1.00
" " Separate Colors	.25	1.25
Petunia, Grand Fringed, Single	.50	
Sweet Peas	¼ lb.	lb.
Earliest of All	$0.15	$0.45
Mont Blanc	.20	.70
Verbena, Michell's	Tr. Pkt.	Oz.
Mammoth Mixed	$0.30	$1.50
Separate Colors	.30	1.50

HENRY F. MICHELL Seed Growers and Importers. **1018 Market St., Philadelphia**

Mention the Florists' Exchange when writing.

At Your Own Price

SURPLUS HYACINTHS

NO REASONABLE OFFER REFUSED

C. H. JOOSTEN, 178 Chambers Street New York.

Mention the Florists' Exchange when writing.

Lily of the Valley... "EMPRESS"

FRESH IMPORTATION.

Finest imported from Germany. **Long stiff stems, profuseness of bells.** After growing them you will never handle any other. 1000, $12.50; Case of 3000, $36 00.

JAPAN FERN BALLS

7-9 inch, our well-known stock, each, 30 cts.; per 12, $3.00; per 100, $22.00.

	12	100
Spiræa Compacta Multiflora	$0.60	$3.50
" Astilboides Floribunda	.75	4.50

PÆONIA SINENSIS

	12	100
Double White or Rose	$1.75	$12.00
" **Crimson**	1.25	8.00

For other offers see ad., Dec. 20.

Send for our new list—**Caladium, Canna, Gladioli, Etc.**

H. H. BERGER & CO.
47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

LILY OF THE VALLEY PIPS

The finest in the world.
Special prices on application.

DUTCH HYACINTHS and LILIUM LONGIFLORUM

A few still left.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

NEWPORT, R. I.—F. L. Ziegler is a young beginner in the seed business here. He would like to receive catalogues from seedsmen who issue same.

MANITOWOC, WIS.—The Manitowoc Seed Company has been incorporated with a capital stock of $20,000. Incorporators: Albert Guttmann, Geo. L. Born and G. E. Aller.

MANITOWOC, WIS.—On January 3 fire at the establishment of the Madson Seed Company caused a panic among the fifty girls employed, but all escaped from the building uninjured. The fire was caused by gas explosion and less than $100 damage was done.

BARTELDES & CO., DENVER, COL., are distributing a handy article as an advertisement in the form of a 15-inch rule, bearing the motto, "Western seeds for Western planters," with the firm's address on one side and on the reverse a table showing the amount of seed of different crops necessary for an acre and the number of pounds to the bushel.

European Notes.

It is with a feeling of absolute relief that we pen the last notes of 1902. Throughout they have been gloomy in the extreme; but just as the old gossips find a positive pleasure in saying "I told you so" when you wake up with a bad headache after a good dinner, so the scribe now writing feels a melancholy satisfaction in saying that every gloomy prediction put forth in this column during the year just closing has been fulfilled to the very letter, and the end is not yet reached.

But, sir, "let the dead past bury its dead;" we have to deal with the materials of a perpetual resurrection. One grain of the wheat we handle will in a marvelously short space of time cover the earth with golden fields of waving corn. It is ours to send far and wide the messengers of hope; may it be ours to see their full fruition in the years to come.

EUROPEAN SEEDS.

MANETTI For Grafting
Immediate delivery, $12.00 per 1000, 5000 and 10,000 lots special prices.
AZALEA MOLLIS
10 to 100 buds, 20c. to $1.00 each.
Deutzia Gracilis and **Lemoinei, Hydrangea Pan. Grand.,** in cellar for immediate shipment.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

Novelties in Sweet Peas for 1903

Henry Eckford has kept his secret so well that not until his catalogue was actually published was it known what the trade might find therein. The following comprise the list:

DOROTHY ECKFORD, the new white. In addition to its pureness, it is a grand giant flower, also robust in growth and stem, with no tendency whatever to tinge or go pink; the plant is very short jointed, and grows an enormous mass of bloom.

KING EDWARD VII. is a very lovely intense bright crimson self, with a slightly hooded yet prominent standard; a true giant-flowered variety, with strong stems and growth, with no inclination to burn in the sun; a fine decorative and show variety, much brighter than either Mars or Salopian.

AGNES JOHNSTON, a bright rose-pink standard, shaded cream, wings cream, slightly flushed with the same bright rose-pink as the standard; a broad, fully-expanded flower, of good size and splendid substance; a strong growth and constitution.

MRS. WALTER WRIGHT, a fine giant-flowered variety with large standard and wings, the former slightly hooded, yet broad and deep, the wings being jauntily curled at the apex, and extending about half-way down; in color the standards are a beautiful shade of mauve, clear and bright, while the wings are a bright cœrulean blue slightly shaded with the mauve color of the standard; a most attractive flower; grand for decorative work, and also for exhibition.

Dorothy Eckford and King Edward VII. are the best of the bunch, the former is especially fine. Its curious history was fully given by me in my reports of the exhibition of the National Sweet Pea Society.

As regards that magnificent novelty, Countess Spencer, it is very doubtful if it will ever be seen again, as Mr. Cole, the raiser, has practically lost the stock, owing to the bad weather of the past season.

S. B. DICKS, F. R. H. S.

J. C. Vaughan on Seedsmen's Catalogues.

In the "Seed and Nursery Number" of Agricultural Advertising, for December, 1902, appears the following interview with J. C. Vaughan, of Chicago, on the subject of seedsmen's catalogues:

"Do you think, then," he was asked, "that it is good policy, aside from any moral principle involved, to exaggerate the merits of products offered in the catalogues of the seedsmen and nurserymen?"

"Well," was the reply, "that is not a very easy question to answer. A good many things are involved. It is a fact, of course, that all seedsmen and nurserymen are given to exaggeration in their catalogues, and as there are always reasons for anything that is done continually by any class of men, so there are reasons here.

"These catalogues are not merely sober matters of business. Perhaps they ought to be. I am not deciding that. I am, as I said, only stating what is the fact, or trying to, at least. These catalogues are made largely for farmers, and the Winter evenings on the farm are long and usually there is little doing. The farmer and his family, as other people, must have some relaxation. The seed and nursery catalogues furnish them some entertainment. They like to read them. Interest is added to them by the exaggeration, by the descriptions of the wonderful plants and flowers and vegetables and fruits offered. My belief is that there is no question of deception here. The farmer is not a fool. He knows that every variety of every class described is not good. He understands this perfectly. He is not deceived."

"You think, then, Mr. Vaughan, that it is good business policy to humor this quality in human nature which delights in reading exaggerated descriptions of things?"

"No, I do not say it is good policy; I only say that the maker of the catalogue does, as a matter of fact, pursue this method for the reason stated. He takes human nature as it is. It is the custom. The catalogues pay, and the same policy is pursued year after year. I am not disposed to enter the region of speculation and ask whether some other method would be better; neither am I justifying the practice of exaggeration on moral grounds, further than to repeat that there is little, if any, deception actually worked. There is a pretty good understading between the reader and the seedsman. As a piece of literature the catalogue would not be so entertaining if it were devoted to a sober statement of facts, though it is conceivable that it might bring more and doubtless should bring better business."

American Bulb Growers Co.
Wholesale Bulb Growers,
PETERSBURG, VIRGINIA.
Send for Catalogue.
Mention the Florists' Exchange when writing.

W. W. RAWSON & CO. Arlington Tested Seeds BOSTON MASS.
HARRISII LILIES
Our Harrisii for the past four years have everaged 90 per cent. good bulbs. Our prices are low. A few more cases of 7-9 left; every bulb guaranteed sound.
W. W RAWSON & CO., Seedsmen, Boston, Mass,
12 and 13 Faneuil Hall Square.
Mention the Florists' Exchange when writing

EXTRA CHOICE FLOWER SEEDS
LIST FREE ON APPLICATION
FRED. ROEMER, Seed Grower
Quedlinburg, Germany
Mention the Florists' Exchange when writing.

Burpee's Seeds
PHILADELPHIA.
Wholesale Price List for Florists and Market Gardeners.
Mention the Florists' Exchange when writing.

California Petunias
Double Fringed Giants, splendid mixed, 70 cts. per 1000 seeds.
Single Fringed Grandiflora, splendid mixed, 25 cts. per 1000 seeds, ⅛ oz., $2.00.
SHASTA DAISY 25 cts. per 100 seeds, $2.00 per 1000 seeds.
COBÆA SCANDENS SEED, 25 cts. per oz.; $2.50 per lb., 5 lbs., $10.00.
THEODOSIA B. SHEPHERD CO.,
Ventura-by-the Sea, Cal.
Mention the Florists' Exchange when writing.

Aster Seed
We offer Seed from Selected flowers of the following varieties of our own growing:
Vick's Branching :: *Vick's Daybreak*
Vick's Purity :: *Vick's Lavender Comet*
Vick's Snowdrift :: *Giant Comet*
Queen of the Earlies
(*Early Market*)
WRITE FOR SPECIAL PRICES
JAMES VICK'S SONS
ROCHESTER, NEW YORK
Mention the Florists' Exchange when writing.

CINERARIAS from Benary's, Cannell's and Sutton's Prize Show Flowers saved, Giant Flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter, 2½ inch, $2.50 per 100. Cash.
Shellroad Greenhouses, Grange P.O. Baltimore, Md.
Mention the Florists' Exchange when writing.

Walter Mott Seed & Bulb Co.
JAMESTOWN, N. Y.
Send for Catalogue.
Mention the Florists' Exchange when writing.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.
J. J. STYER, Concordville, Pa.
Mention the Florists' Exchange when writing.

New Crop 1902 Now in Stock.
Really Produces Mushrooms

VAUGHAN'S MUSHROOM SPAWN
We supply the largest growers. Per 100 lbs., $6.00 f.o.b. New York; $6.50 f.o.b. Chicago.
WRITE FOR PRICES ON QUANTITY.
VAUGHAN'S SEED STORE
84 Randolph St., Chicago. 14 Barclay St., New York
Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.
Send for Prices
HELLER & CO.
MONTCLAIR, N. J.
Mention the Florists' Exchange when writing.

PRIMROSES
Improved Chinese. Well known as the finest grown, single and double; strong 3 in., in bud and bloom, $3.00 per 100.
GERANIUMS Finest up-to-date, named varieties, strong, 2 in., $2.50 per 100.
IRISH SHAMROCK Strong plants, $4.00 per 100, or 60 cts. per doz., by mail.
XXX SEEDS
Verbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.
Cineraria. Finest large flowering dwarf. 1000 seeds, 50c.
Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50c.
Phlox Pumila Compacta. Very dwarf and compact, grand for pots, in finest colors, mixed. Trade pkt 25c.
Alyssum Compactum. The most dwarf and compact variety grown, perfect little balls when grown in pots. Trade pkt 25c.
Chinese Primrose. Finest large-flowering fringed varieties, mixed, single and double. 500 seeds, $1.00, half pkt. 50c.
Pansy, Finest Giants. The best large flowering varieties, critically selected, mixed, 5000 seeds, $1.00, half pkt., 50c.
CASH. Extras added to every order.
JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES
Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN
Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

BOBBINK & ATKINS, Rutherford, N. J., make a specialty of trained fruit trees.

ROCHESTER, N. Y.—The veteran nurseryman George Ellwanger, of Ellwanger & Barry, celebrated his 86th birthday on December 2 last.

The committee on legislation of the American Association of Nurserymen, of which C. L. Watrous, of Des Moines, Ia., is chairman, went to Washington this week to further the passing of inspection bill (H. R. 10,999) providing for uniform rules to govern inter-State shipments of nursery stock.

The Western New York Horticultural Society will hold its annual meeting in Colonial Hall, Rochester, N. Y., on Wednesday and Thursday, January 28 and 29. A most interesting program has, as usual, been prepared. Wm. C. Barry is president of the society and John Hall, secretary.

SACRAMENTO, CAL.—The W. M. Jenks Nursery Company has been incorporated; the capital stock is $5,000. Directors: W. M. Jenks, Mary E. Jenks and W. F. Renfro, of Sacramento, and Nancy J. Lewis and Hayward Reed, of Broderick, Yolo County.

GENEVA, N. Y.—Wm. Smith, of the firm of W. & T. Smith, nurserymen, met with a serious injury on New Year's Day as a result of a runaway. A team of horses attached to a sleigh ran Mr. Smith down. He sustained a compound fracture of the nose, several abrasions on the face, and both legs were badly bruised. Mr. Smith is 85 years of age.

Pines in Pots for Christmas.

The growing demand for plants in pots for festival occasions, such as Christmas and Easter, a demand which seems apparent in all large cities, suggests the thought that there are several kinds of pines which would be most useful in that way. Already pines are represented on the occasions referred to in the way of branches, mainly of the Pinus palustris of the South. These branches find some sale, but if living plants, in pots, how much greater would be the demand! As the branches come to us now they are in lengths of about three feet. A plant in a pot, the same height, or four feet, would make a useful decorative subject at any time, and would certainly be in demand for holidays. To have plants that would thrive, they would need to be grown on in pots, as this, like many other pines, does not transplant well when it has been undisturbed for some time. Pinehurst Nurseries advertise small ones, I see, but they would need to be larger to be serviceable in the way suggested. The very long, soft needles are what recommend this pine. Among northern sorts P. resinosa, called Norway pine, singularly, approaches P. palustris nearer than any other; but it is not the equal of its southern brother. It is a beautiful pine, however, the needles soft and drooping and of good length. When it comes to a question of hardiness, the northern one, P. resinosa, leads, of course. It may be said to be hardy anywhere. Just how far the southern pine, P. palustris, may be considered hardy I do not know. Two young plants of it stood two Winters in Germantown, in good order, but eventually died out from causes other than cold. They did not seem to be at home, not having a thrifty look at any time. Probably a sandy soil would have suited them better than the loam they were in.

I really believe that this southern pine would be in demand, were it obtainable as a well-established pot plant.

Deciduous Holly and Christmas Greens.

A short time ago attention was called to the deciduous holly, Prinos verticillatus, as a probable good selling plant for Christmas were it grown on in a pot. It comes to mind again at the present time from seeing the large use made of the berries of this holly by the makers of wreaths and festoons for Christmas. A few days before Christmas, passing along Market street, Philadelphia, where vendors of Christmas greens had largely congregated, I noticed that nearly all the holly wreaths had bunches of the prinos set here and there instead of the real holly berries. One vendor, who wished to dispose of some wreaths to me, assured me that his were better than others offered, because his contained real holly berries. He did not know how near he was to the truth. Probably he thought it no holly at all.

Being deciduous, this plant is without leaves this late in the season, but, as I suggested before, if grown in pots under cover it is probable the foliage would still persist at Christmas time.

Besides the holly wreaths, the kalmia, ground pine, galax, hemlock and balsam fir had been put to use in some way, but, of course, holly is the first selected. Much of the holly is of poor quality, having but few berries. The fact is, that the woods of all the adjacent States have been so denuded of it that the home supply is about over. There was some fine material on the street the last day before Christmas, said to have come to the Philadelphia Wholesale Flower Market from South Carolina—too late to be profitably disposed of. It was fine, alongside of the other stock.

The Christmas trees were mainly of the balsam fir, with some black spruce among them. As a rule, the stock was good. The balsam is preferred by those who know the difference, possessing a nicer odor than either the black or the white spruce. What forests of these trees must be destroyed to furnish the country with Christmas materials!

The Scarlet Clematis.

The scarlet clematis, though a native of our own country, being wild in Texas, is not nearly as common in cultivation as others no more worthy. It is quite hardy in Pennsylvania, inasmuch as to spring up every year, behaving as a herbaceous plant. Whether this is what it does at home, I do not know; at any rate it does so here, but is none the less desirable where a tall vine is not required. The flowers, in shape, are what gardeners know as tubular. They are smaller at the base and narrower at the apex, with slightly recurved sepals. Strong two-year-old plants will make a growth of three to four feet, and when well established will, after a few years, make an annual growth of eight to ten feet. There are so very few hardy vines producing rich scarlet flowers that this alone calls for the use of the clematis in question. There are a few old established plants in gardens about Philadelphia which attract much attention when in flower. The writer well remembers his delight when viewing this unique flower for the first time.

Winter Pruning of Shrubs and Trees.

So much has been said of the proper pruning of shrubs that the admonition to look well to the preservation of the young shoots of the past season is hardly necessary. Nursery hands and those employed by florists are often detailed to prune some customer's shrubs, and it is well to see that the party sent to do the work understands just what should be done. Those who have shrubs to sell do not want the bulk of their stock to flower. A shrub becomes of good size in a short time if not permitted to flower. In nurseries where this is well understood, the flowers are not permitted to expand on shrubs which are desired to be of good size quickly. Shrubs not wanted for Spring sales, but looked on as promising for Fall trade, may be cut back closely and to their advantage. The cut off shoots are just what are wanted for making into cuttings; and a shrub cut down in Winter will make a most vigorous growth next season. This is a matter too often overlooked by pruners—that Winter pruning tends to make tall, strong growth, while that of Summer leads to bushiness. One or two strong shoots take the place of the one cut off in Winter; a half dozen or more succeed the one topped when in a growing state.

This is to be remembered when any pruning is in hand, indoor or out. The one who has a hedge to render bushy cuts it when in full growth, not once, but twice in a season. Evergreens treated in a similar way become very dense; even a straggling pine can be made into a thick bushy one by Summer pruning.

There is a certain naturalness to evergreens and trees of all sorts which should not be totally altered by pruning. An occasional customer wants a sheared evergreen, but the great majority of folk like to have the various natural characters represented on their grounds. It is to aid perfection where some defect exists that the pruner's knife is called into play; at least, it should not be used to destroy beauty.

JOSEPH MEEHAN.

Renovating Central Park, N. Y.

An expert commission, consisting of Dr. N. L. Britton, Director of the New York Botanical Gardens; Dr. B. E. Fernow, of the New York State College of Forestry, Cornell University; J. A. Pettigrew, Superintendent of the Department of Parks of Boston, and Samuel Parsons, Jr., Landscape Architect of the Department of Parks of New York City, has made an inspection of Central Park, New York, with a view to furnishing some recommendations relative to its improvement, and makes the following suggestions:

1. A thorough thinning out of all surplus, diseased, unsightly, and crowded trees, including those on the sidewalks of Fifth and Eighth avenues and on the Mall.
2. The removal of short-lived trees and those not suitable for city conditions, such as poplars, hemlocks, pines, spruces, and retinosporas. Conifers cannot endure the smoky air of dense cities. The amount of California privet should be very much reduced.
3. The careful and competent pruning of trees and the removal of dead limbs, and especially the proper protection of cut surfaces to avoid rot.
4. A clearing out of all trees, shrubs, and herbaceous plantations in open glades and from bays in the foliage lines; also the removal of all incongruous planted material which disturbs the harmony of the landscape.
5. Allow fallen leaves to remain in shrubberies and woodlands, the spread of those raked from ornamental grounds over the woodlands; cover thick deposits of them with a sprinkling of loam mixed with a little lime to assist decomposition, to prevent liability to fire, and at the same time to produce invaluable leaf mold.
6. The regular application of manure and commercial fertilizers to the groves, plantations, and lawns, and the addition of top soil in certain limited areas in which the rock comes close to the surface, where new shrub planting is to be done, and in some of the existing dilapidated shrubberies; on the Mall, the application of four inches of manure mixed with potash, to be spaded in.
7. Plant and thicken border plantations where necessary, using for this purpose such trees as English elms, oaks, gingkos, plane trees, lindens, and sweet gums.
8. Improve the margins of woodlands by appropriate planting of such native shrubs and small trees as thorns, dogwoods, viburnums, red-buds, shadbush, and witch hazel. The fruits of many of these are very attractive in the Fall, and serve as food for numerous song birds.
9. Modify or reconstruct the shrubberies; many require replanting, after first thoroughly preparing the ground.
10. The construction of a system of water distribution for the irrigation of lawns and newly planted grounds.

The commission comments adversely on the crowded condition of the trees and shrubs in the park, adding: "So general is the damage to the trees from overcrowding that a perfect specimen can rarely be found." The result of the report will be that the Park Commissioner will ask the Board of Estimate to issue $50,000 of bonds to begin the work of renovating the Park and for a further sum of $50,000 for cleaning the lakes.

Cryptomerias in Japan.

The groves of cryptomerias around Nikko are marvelous. I note that this plant is hardy in New York State. What a grand thing for ornamental forest planting it would be. Curious that in the boughs of these giants, 200 or more feet high, grow thousands upon thousands of the fern (Davallia bullata) which is used in fern balls. Deep shade and ample atmospheric moisture no doubt keep them alive.

THEO. ECKARDT.

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LETTUCE Big Boston, Grand Rapids, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

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Cucumbers—For Forcing.
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Strong, branched, two-year plants, 2 to 3 feet, $3.00 per 100; $25.00 per 1000; 18 to 24-in., good, $2.00 per 100; $15.00 per 1000; 15 to 20-in., $1.50 per 100; $10.00 per 1000. Well graded stock that will please.

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Hollandia Nurseries, BOSKOOP, HOLLAND.

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Pot-grown Plants for Forcing.
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Pot-Grown Lilacs, Hydrangea in Sorts.
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(Prostrate Privet)

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Japanese Iris, German Iris and Pæonias Specialties. Golden Glow, Eulalias, Day Lilies, Hardy Sunflowers, Dragon's Head, Cone Flowers, Boltonias, Sedums and a long list of other valuable kinds in large supply. Please write for lists of varieties and prices; they will probably surprise you.

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15 to 18 " " " 4 "	....	30 00

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10 to 12 " " " 4 "	....	20 00
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12 to 15 " " " 4 "	....	20 00
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Climbing Clothilde Soupert, strong, field-grown	10 00
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A fine variety, somewhat similar to C. paniculata, but blooms earlier and lasts longer. Strong plants, from 3-in. pots..	8 00

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Geraniums, mixed, $1.25 per 100.

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Fuchsias	1 25
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Ageratum { Stella Gurney and Dwarf White }	2 00
Abutilon, in Variety,	2.50
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Pansies Worth Raising

STRONG PLANTS.

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Large Flowering..... ......$2.50 per 1000;	$0.50
Chinese Primroses, 2¼ pots	1.50
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Vinca Var., 3½ pots	4.00

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GIANT PANSIES, in variety equal to any, Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.

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VINCA, Green, R. C., 50 cts. per 100.
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Cash. Rooted cuttings prepaid.

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In bud and bloom; a great variety of colors; very large flowering. Money cannot buy better plants.

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UNROOTED CARNATION CUTTINGS. Gaiety, Oriole, Challenger, Fairmaid, Cressbrook, Norway, Dorothy, Prosperity and Roosevelt, $1.50 per 100; $10 00 per 1000. Carnation Cut Blooms, fancy, $2.00 per 100.

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Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

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DRACÆNAS INDIVISA and AUSTRALIS, strong, 3 in., 18 to 18 in. high, $5.00 per 100.
HIBISCUS, R. C., 6 varieties, including Peach Blossom, by mail, $2.00 per 100.
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STROBILANTHES DYERIANUS, R. C., $1.00 and $1.25 per 100.

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GAZANIA SPLENDENS	$1.50
CUPHEA, Cigar Plant	.75
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Strong pot plants	3.00 "	25.00 "

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Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
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3-year-old, field-grown plants, $12.00 per 100.

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Extra strong, 2¼ in., $2.50 per 100; $20.00 per 1000.

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Out of Bench, ready for 3 inch pots, $3.00 per 100
" " " " 4 " " 6.00 "

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Cash with order.

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High Street

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Home-Grown, Fine, Clean Stock, Grown Cool.

SEND FOR PRICE LIST.

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Young stock cheap if you want to grow your own plants for next season.

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...CARNATIONS...

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Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment.
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Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

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Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.
BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.
FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

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Grown plants of like description, also

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Perfect plants, low prizes

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Mention the Florists' Exchange when writing.

The New Fern, "ANNA FOSTER."

The most beautiful fern yet introduced. Quick seller, very prolific; prices very low. 2½ in., $10; 3 in., $20; 4 in., $35; 5 in., $50; 6 in., $100, per 100.

Fine Kentias, $50, $75, $100, per 100.

Ficus, 5 in., 18 in., well furnished, $4.00 per doz.

L. H. FOSTER, 45 King St. **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

Kentia Belmoreana

Fine plants, 7 and 8 in. pots; 7 leaves; 42 to 60 in. high, $50.00 per doz.

Asparagus Plumosus Nanus.
5-in pots; strong plants, $25.00 per 100.

Asparagus Sprengeri.
5-in pots; strong bushy plants, $25.00 per 100.

P. J. BURGEVIN, Port Chester, N. Y.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana,** 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA

Bell Phone 6-36-69a.

Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

FERNS

OUR SPECIALTY

If you are in the market for Ferns and want the best, give us a trial order. Owing to the steadily increasing demand for our stock we have added another large range of greenhouses to our establishment and can offer the best stock of Ferns ever produced in unlimited quantities at comparatively low figures.

ASSORTED FERNS For jardinieres in fifteen of the leading varieties, good stocky plants, from 2¼ in. pots, sample free, at $3.00 per 100; $25.00 per 1000. 250 at 1000 rate.

		100	1000
Adiantum cuneatum,	4 in. plants.	$15 00	$140 00
" "	5 in. " ...	25 00	235 00

500 at 1000 rates.

TELEPHONE CALL—29 I.

Anderson & Christensen, Short Hills, N. J.

Mention the Florists' Exchange when writing.

The American Carnation

By C. W. WARD.

Price, $3.50. Write for Particulars.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

PTERIS

	Per 100
WIMSETTI, 2½ in	$6.00
OUVRARDI, "	6.00
HASTATA, "	5.00
SERRULATA, "	5.00
UMBROSA, "	6.00

These are strong healthy plants, grown cool and spaced; just the thing for fine fern pans.

ASPARAGUS SPRENGERI, 4 in., $6 per 100.

Stock plants of **CRYSANTHEMUMS** from beds, fine healthy plants, of **Robinson, Hardy, Timothy Eaton, Modesto, Mrs. Geo. Pullman, Bonnaffon** and **Queen,** $4.00 per 100. Cash with order please.

A. J. NEWTON & SONS, Norfolk, Va.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I make a specialty of **NEPHROLEPIS EXALTATA BOSTONIENSIS.** Small plants, $5.00 per 100; $40.00 per 1000. Larger plants, $15.00 per 100.

ALSO A FINE LOT OF

Kentias, Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $18.00 per 100; 3½ in. pots, $15.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.
Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.
Cycas, 50 cts. to $2.50 each.
Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $4.50 per doz.; $35.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

FERNS

4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

JOHN BADER, Troy Hill, Allegheny City, Pa.

L. D. Telephone 872a.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

SEEDLINGS. From flats ready to pot, $1.00 per 100, $7.50 per 1000.
FIELD-GROWN. Extra strong. These plants are making new top and root growths. If potted now, will be fine for Easter. Plants large enough for 4 and 5 inch pots or pans, $3.00 and $5.00 per 100, respectively.
ADIANTUM CAPILLUS VENERIS. The best for fern dishes. Bushy 2½ inch pot plants, $3.00 per 100.
CHINESE PRIMROSES. Select fringed. Including SCARLET, best of its color. Lavender and Pinks, no trace of magenta. Large plants from 3 inch pots, in bud and bloom. $4.00 per 100.
CINERARIA STELLATA. Good for pot display or cutting. Extra strong, from 3 inch pots, $4.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

FERNS.

	100	1000
Pteris Serrulata.		
" **Wimsetti,** 2½ in.,	$2 50	$20 00
Boston Ferns, 2½ in	3 00	25 00
Pothos Aurea, 2½ in.	3 00	
Salvia, 2½ in.	2 50	
Lopezia Rosea, 2½ in.	2 50	
Rose Geraniums, 2½ in pots	2 50	
Peppermint Geraniums, 2½ in. pots	4 00	
Ageratum, three kinds, 2½ in. pots	2 50	
Hardy English Violets, 2½ in. pots	4 00	
Marie Louise Violets, 2½ in. pots	3 00	
Asparagus Plumosus, 2½ in.	3 00	
" " 3 in.	6 00	
" " 6 in.	20 00	
" **Sprengeri** 2½ in.	2 50	
" " 3 in.	4 00	

Boston Ferns, 8 in. pans, fine plants, $1.00 each.

Let us quote you on young rose stock
Please send us your list.

NATIONAL PLANT CO., DAYTON, OHIO.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Areca Lutescens, 3 plants in a pot, 3, 4, 5, 6 in., $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Kentia Belmoreana and **Forsteriana,** extra clean and well grown plants, 2½, 3, 4 and 5 in., $8.00, $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Boston Fern, $4.00, $8.00, $15.00 and $30.00 per 100 for 2, 3, 4 and 5 in.

Asparagus Plumosus, 2 in., $5.00; 3 in., $8.00. **Sprengeri,** 2 in., $3.00; 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Chinese Primroses, 3 in., $5.00 per 100; 4 in., $8.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Mrs. Lawson, Queen Louise, White Cloud, Ethel Crocker, F. L. fine, $1.00 per 100.

GEO. EMMANS,

NEWTON, N. J.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI, $3.00 per 100; $25.00 per 1000
2½ x 3½ inch pots.
Strong, well-established plants; splendid value.

JACKSON & PERKINS CO., Newark, New York

DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.

Adiantum Cuneatum, 4-in. pots	$2 00 per doz.;	$15.00 per 100
Asparagus Sprengeri, 5-in. pots	2 00 "	15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.

Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots..........per doz., $3 00
6 in. " .... " 5.00
6 in. " strong.......... " 6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants..........per doz., $1.50
4 in. " extra select.......... " 2.00

FERN BALLS

Furnished with leaves..........per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties..........per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.

1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

YOUNG man, 18, experienced, wishes a position in a florist store. Address B. L., care Florists' Exchange.

GERMAN gardener, all-around hand in greenhouses, wishes position. Ludwig Geh, 150 Central Ave., Brooklyn, N. Y.

YOUNG man, 26, wishes position with retail florist, where he can learn the business thoroughly. Address B. A., care Florists' Exchange.

WANTED, position as gardener on private, or foreman on commercial place; best of references. Address C. Johnson, Mine Brook, N. J.

GERMAN, single, 28 years old, wants position on private or commercial place. Address Hero Grane, 93 15th Ave., Long Island City, N. Y.

SITUATION wanted by gardener and florist; married, age 40, life experience; first-class references; capable, sober, and industrious. Address B. C., care Florists' Exchange.

SITUATION wanted by first-class grower of cut flowers and pot plants; 20 years' practical experience. Address Garfield, 291 Graham Ave., Brooklyn, N. Y.

GERMAN, single, 29, experienced greenhouse man, sober, industrious, willing to work, wishes situation. Please state wages when writing. A. Tesky, 53 South 4th St., Brooklyn, N. Y.

WANTED, position as manager, decorator or designer in first-class florist establishment. Long experience and highest references; competent in every respect. State terms. B. S., care Florists' Exchange.

SITUATION wanted by salesman; 10 years' experience on the road selling seeds, bulbs, and plants. Wish to engage with good house, or will take partnership. Address B. M., care Florists' Exchange.

EXPERIENCED man, well acquainted with the wholesale and retail seed, bulb, plant, cut flower and florist supply businesses, wants position. Best of references. Address Seeds, 6112 Wentworth Ave., Chicago, Ill.

SITUATION wanted to take charge, by experienced grower of roses, carnations, and general stock; middle-aged, married; sober and industrious. State particulars. Address A. M., Florist, Lyons Farms P. O., Union Co., N. J.

SITUATION wanted, by German, 24 years old, single, five years' experience in carnations, chrysanthemums, and general bedding plants. Please state wages per week, with or without board. Address Paul Grumbach, Middle Village, N. Y.

SITUATION wanted as working foreman or section man, cut flower and pot plant grower; competent to take charge. German, age 33, life experience; best references. State full particulars. Address Roses, 53 Lonsdale St., New Dorchester, Mass.

POSITION wanted by a strictly first-class gardener and worker; German; age 36; married; life experience; excellent references; fully competent to manage any place; private preferred. State full particulars. Address B. K., care Florists' Exchange.

SITUATION wanted by an American; married. Life experience in growing roses, carnations, chrysanthemums, and bedding stock; good propagator and designer; capable of managing large or small place, also forcing of fruits and vegetables under glass. Can give good references as to sobriety and ability. Private or commercial. When writing, please state wages. Address B. D., care Florists' Exchange.

HELP WANTED

WANTED, an assistant for general greenhouse work. German preferred. Please state wages with room and board. Address Est. G. Geduldig, 77 Cedar St., Norwich, Conn.

WANTED—Plant man, thoroughly capable of taking charge of our mailing plant department. Steady position. References. The Livingston Seed Co., Columbus, Ohio.

WANTED at once, single man, able to grow roses, carnations, and general stock; steady position; wages, $10.00 per week. Address W. L. Jones, P. O. Box 231, Nutley, N. J.

WANTED, a competent grower of bedding plants, carnations, and Easter stock. Married man preferred. Must be active and a worker. Wages $12.00 per week. Apply with references to B. E., care Florists' Exchange.

WANTED, young man as assistant for general greenhouse work. Apply to manager of J. Condon's Greenhouses, Eastern Entrance to Greenwood Cemetery, Ft. Hamilton Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, general all-around seedsman; German, with family, preferred. Address A. T., care Florists' Exchange.

WANTED, Rose grower, to take charge of section of houses; wages, 50 per month for start and until ability as grower can be shown. Address A. M., care Florists' Exchange.

WANTED, good, common-sense maker-up of floral designs; one who is fast and willing to work. Steady job the year round. State wages. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

FLORIST wanted for roses, carnations, and general stock. Must be sober and industrious; good references required; good wages to party showing ability. Address C. Ponnett, 529 King St., Alexandria, Va.

TO LEASE, 40 years' established, 10,000 ft. of glass and one acre of land, good retail market, all stocked and in good running condition; near Philadelphia, Pa. For particulars address A. Millar, 595 Pawtucket Ave., Pawtucket, R. I.

WANTED—Man who has thorough knowledge of greenhouse boilers and steam fitting, and capable of using a saw and hammer. None but sober, industrious men need apply. References. The Livingston Seed Co., Columbus, Ohio.

WANTED—Man thoroughly experienced in growing carnations, roses, etc.; also understanding general greenhouse work. Must be strictly temperate. State wages and send references. The Elizabeth Nursery Co., Elizabeth, N. J.

WANTED, man able to grow and bloom roses, carnations, violets, chrysanthemums, etc. Married man preferred; must be temperate and competent. Write, giving references and state wages wanted. Address A. E. Fancher, Binghamton, N. Y.

WANTED AT ONCE, rose grower; careful grower, sober, and thoroughly reliable man; one having had experience with American Beauty preferred. Apply, stating wages expected and giving references, to Robert Simpson, Clifton, N. J.

WANTED, a young man or middle-aged man of first-class ability, clean and correct habits, as assistant foreman in commercial nursery. One who thoroughly understands general nursery work preferred. Address stating wages and previous experience, A. K., care Florists' Exchange.

CLERK—We need a bright, quick young man for office work. For a person of ability, good address, and some knowledge of the business the position is permanent and offers excellent prospects. State age, experience, references, wages desired. Thos. Meehan & Sons, Inc., Germantown, Philadelphia, Pa.

BUSINESS OPPORTUNITIES

SALARY of $1,200 with $3,000 cash investment, open to a gentleman of good address and education. National Florists' Board of Trade, New York.

FOR SALE—Sago palm leaf manufactory and flower business. Best and cheapest methods. German. Together or singly. Immediately. Cheap. Address B. H., care Florists' Exchange.

FOR SALE—6,000 sq. ft. of glass, two new houses, well stocked with carnations, roses, bedding plants, etc. Fifty miles from Cincinnati. Fine retail trade. Will sell at a bargain. Particulars later. Address B. L., care Florists' Exchange.

FOR LEASE, rent or sale, exceedingly cheap. All or part of four steam heated greenhouses, together with stable and dwelling if desired; also large lot suitable for nurseries; in city limits near World's Fair site. Hermann, R. E. Co., 1127 Chestnut St., St. Louis, Mo.

FOR SALE—12,000 feet of glass, almost new and well stocked. Four acres of land, with dwelling house and stables in excellent condition. Near city of 60,000 inhabitants in central New York. Good market; no other greenhouses near. Rare opportunity for a first-class grower to own a beautiful home. Ill health reason for selling. If wishing to buy, address at once, B. G., care Florists' Exchange.

A GROWER, desirably located, having conducted a most profitable business for some time, is now obliged to refuse good orders on account of lack of capital. Parties desiring to become jointly interested in a well-paying business that will yield excellent returns on an investment are requested to correspond with the National Florists' Board of Trade, New York.

FOR SALE—Old established florist business, 4⅛ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FOR SALE—Rose establishment of the latest pattern, situated in a city of 100,000 inhabitants, one-half hour's ride from New York City by three railroads. Wholesale and retail trade in an abundance; 12,000 sq. ft. of glass; iron framed rose houses; steam heated automatically; fully equipped with the latest appliances. Boiler rooms, fire-proof, with extra boiler for steam pump; automatic steel boilers of the latest pattern. Sheds, 150 ft. in length. Two acres of land near two fine trolleys and ten minutes' walk from the center of the city. Water supply by city water, well in boiler room, tank in greenhouse or stream outside. Coal easy to get and plenty of it. Apply to A. Q., care Florists' Exchange.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

$50.00 will rent, from now until July 1st, three greenhouses of about 8000 square feet of glass; heated with hot water; benches filled with blooming roses; a small tenement house included, at Trenton, N. J. Owner died. Apply R. Messler, Ex., Trenton, N. J.

WANTED to correspond with party that will have a fair-sized place for rent, or lease, etc., by about June. Address, with full particulars, W. G. Kroeber, 35 Tremont St., New Bedford, Mass.

For Sale In World's Fair City, retail flower store; good location; terms reasonable. For details write

ROBERT F. TESSON, Trustee,
4248 Olive Street, ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED to rent, with privilege to buy, from 5000 to 10,000 feet of glass for rose culture; with some land and house. Address B. J., care Florists' Exchange.

Here You Are for Bargains

One Rider Hot Air Pump No. 6; in use by the Government 1½ days only. Price, $110.00.

One Rider Hot Air Pump No. 8; in use by the Government one year. Price, $125.00.

One Hitchings No. 16 Boiler; guaranteed good order. Price, $50.00.

One Scollay Boiler No. 5. Price, $40.00.

500 new glazed Hot Bed Sash, 3 rows of 10-in. glass. $1.65 each.

500 second hand Hot Bed Sash, 6-in. glass. $1.00 each. $90.00 per 100.

Glass, 10x32, 10x12, $2.90 per box. 10x14, 8x10, double thick French, all clean, none broken, second-hand, $2.75 per box.

50 Wooden Wheelbarrows, freight paid, $1.35 each.

Shovels, Spades, Axes, etc., $5.00 per doz. Will assort if wanted.

Second-hand seasoned Lumber, at all times. Also Plumbing Tools, second-hand.

New 5-play Hose, 5½ cts. per ft.

Wrought Iron Pipe, blackened, threaded, guaranteed sound, ¾-in., 3 cts. per ft.; 1-in., 3¼ cts. per ft.; 1¼-in., 4¼ cts. per ft.; 1½-in., 6 cts. per ft.; 2-in., 8 cts. per ft.

Cash with order, please.

We only hold these goods a short time at these prices. Write quick.

WE BUY greenhouse establishments to tear down. Also all kinds of tools., etc.

MANHATTAN SUPPLY CO., 29 Park St., **New York**

Mention the Florists' Exchange when writing.

New Pink Carnation "SUCCESS"

Rooted Cuttings, $1.50 per doz.; $2.50 per 25; $8.00 per 100; $70.00 per 1000. Terms, cash with orders from unknown parties.

JOHN G. SHOLL. Dept. C,
BURLINGTON, N. J.

Also for Sale by

HENRY F. MICHELL,
1018 Market Street, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	100	1000		100	1000
Prosperity	$4 00	$35 00	**Mrs. Joost**	$1 50	$12 50
Roosevelt	3 00	25 00	**Eldorado**	1 00	8 00
Cressbrook	5 00	40 00	**Wm. Scott**	1 00	8 00
Mrs. Bradt	4 00	35 00	**Norway**	2 00	15 00
Mrs. Lawson				4 00	35 00
Golden Beauty				4 00	35 00
G. H. Crane				3 00	30 00
Daybreak				1 00	10 00
Gen. Gomez				1 50	15 00
Gen. Maceo				1 50	15 00
The Marquis				1 50	12 50
White Cloud				1 50	12 50
Flora Hill				1 50	12 50
Queen Louise				3 00	25 00
Genevieve Lord				1 50	12 50
James Dean				1 50	12 50

We have some very early Wm. Scott and Flora Hill in soil for Summer blooming, $12.00 and $15.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Rooted cool, free from disease. Money back if not as represented.

	Per 100
Gov. Wolcott	$5 00
Mrs. E. A. Nelson	5 00
Cressbrook	5 00
Lorna	3 00
Queen Louise	3 00
Prosperity	4 00
Morning Glory	2 00
The Marquis	2 00
G. H. Crane	2 00
Mrs. Joost	2 00
Flora Hill	1 50

Cash or C.O.D.

W. A. ROWLANDS, WHITESBORO, N. Y.

THE AMERICAN CARNATION.

Now on press. See advertisement on page 48.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

ROOTED CUTTINGS CARNATIONS and ROSES

CARNATIONS

	Per 100	Per 1000
Flora Hill	$1.50	$12.50
White Cloud	1.50	12.50
Norway	1.50	12.50
Mrs. Lawson,	1.50	12.50
Sport	1.50	12.50
Guardian Angel	1.50	12.50
America	1.50	12.50
The Marquis	1.50	12.50
Mrs. Potter Palmer	1.50	12.50

ROSES

OUT OF 2½-INCH POTS

	Per 100	Per 1000
La France	$4.00	$35.00
Kaiserin	3.50	30.00
Ivory	4.00	35.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Meteor	2.50	20.00

IVORY CUTTINGS, $2.50 per 100; 20.00 per 1000.

WIETOR BROS., 51-53 Wabash Ave., Chicago, Ills.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2.50	**Bride**	$1.50	**Meteor**	$1.50
Perle	2.50	**Bridesmaid**	1.50	**Golden Gate**	1.50

CARNATIONS.

WHITE.

	Per 100
White Cloud	$1.50
Flora Hill	1.50
Gov. Wolcott	5.00
White Bradt	12.00
Norway	2.00
Lillian Pond	10.00

PINK.

	Per 100
Mrs. Lawson	$2.00
The Marquis	1.50
Cressbrook	4.00
Floriana	4.00
Enchantress	12.00
Morning Glory	2.00

STRIPED.

Gaiety	4.00
Prosperity	3.00

RED.

	Per 100
G. H. Crane	$2.00
America	1.50
Adonis	14.00

MAROON.

Gen. Maceo	1.50
Roosevelt	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

Canadian News

C. H. A. Executive Meeting.

Some of the more progressive spirits of the C. H. A. Executive Committee have been agitating for a business meeting in Toronto during January, and had a requisition signed by more than the required number for such a meeting. On second thoughts, however, and much consideration, it was found that owing to the members of the committee being so widely distributed over the country, the expense would be too great, as another meeting would certainly have to be held early in the Spring. The Toronto Gardeners' & Florists' Association and Horticultural Society will hold their annual carnation show early in March, and most probably a meeting will be called at the same time, thus enabling the members to "kill two birds with one stone." It is hoped that all the members will attend at that time, as there will be much business of great importance to arrange.

A. H. EWING.

Woodstock, Ont.

Montreal.

Club Notes.

The regular meeting Monday night was, as usual, very well attended, and the committee had some excellent material on hand to make the evening interesting. Two papers were read, one of growing lily of the valley for forcing purposes, by Julian Lucke, and the other on exhibition chrysanthemums, by George A. Robinson.

It was decided to hold a carnation exhibition on March 2. All growers of new varieties will be invited to send specimens.

The committee was instructed to proceed at once in the formation of a schedule for the chrysanthemum show to be held next Fall. In this schedule an effort will be made to secure much more variety in chrysanthemums than has been the case in former years.

Arrangements are completed for the annual dinner, which will be held in the club room on Monday evening, January 19.

The club was informed that in order to secure a grant from the Provincial Government the chrysanthemum show schedule must include vegetables.

A resolution of condolence to the family of the late John S. Murray was passed, and ordered sent. The gathering of the craft at the obsequies on Friday last was a notable one. The floral tributes were numerous and very beautiful. They included a very fine wreath from the Florists and Gardeners' Club and some nice pieces from individual members of the trade. B.

Hamilton, Ont.

Weather remains moderate, with very little sunshine however. Business is decidedly slow except in the matter of shipments to outside points, which line continues fairly brisk presumably on account of mild weather. Very few cut flowers are coming in except carnations. Just at present the city is depending to a great extent upon outside growers.

At R. Potter's I saw a good retail stock of plants. He has a central location and his stock is of good quality.

At Dave McLeod's and Walter Holt's I noticed good stocks of carnations and callas, also much small stock for Spring trade.

At Webster Bros. the Spring rush is evidently on. The stocks of geraniums, coleus, roses and various bedding plants are very large and complete and are looking well. The firm is preparing for an unusually large Spring trade. Several shipments of nice bushy Deutzia gracilis were being made; they seemed excellent stock for forcing. The shipper at this establishment says that very few of the packages sent out during the cold weather fail to reach their destination in good order. The Canadian transportation companies are, he says, very intelligent in the handling of perishable stock. This is encouraging as packages for some sections, British Columbia in particular, have to pass through very cold portions of the country.

The early vegetable business is demoralized around here on account of scarcity of fuel.

John Cranston & Son, proprietors of the Wentworth Pottery, find this season opening with a brisk demand for flower pots.

Visitors: Adam Dunn, of Galt. He reports coal as very scarce. E. D. Campbell, of Midland, says there is no scarcity of wood with him, but prices have advanced.

BEAVER.

Special Prices
ON
GERANIUMS
For the Next Two Weeks.
SEND FOR LIST.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

GERANIUMS From Pots and Rooted Cuttings

Stocky, vigorous young plants, sent with all the roots, but little soil; starting without loss they are much cheaper than cuttings. M. Landry, S. A. Nutt, Bruanti, Modesty, Buchner, H. Charon, 8 other fine doubles and 8 newest double Ivies, $14.00 per 1000. Poitevine, Ricard, F. Perkins, J. Doyle, E. G. Hill, J. Cleary, G. Pierson, $16.00 per 1000. Le Soliel (very best double scarlet), $2.50 per 100. M. Castellane, J. Viaud, Dryden, Mrs. Parker (white eyed leaf), Bronze, Mme. Pollock, $2.00 per 100. Ask for price for large lots of S. A. Nutt and for Rooted Cuttings.

COLEUS, very brightest, and Queen, 60c. per 100. **PETUNIA**, select large doubles from pots, $1.75 per 100.

DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Bonnot, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Poitevine, $15.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS
ROOTED CUTTINGS.

		Per 100	Per 1000
Heteranthe	Big lot ready now	$1.25	$10.00
Buchner		1 25	10 00
Viaud		2 00	15 00
Castellane		2.00	15 00
Perkins		2.00	15.00
Poitevine		2.00	15.00
Landry		2.00	15.00
Ricard		2.00	15.00
S. A. Nutt		1.25	10.00
Acteon, La Favorite, La Pilot, Bonnot and **Castris**		1.50	

ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

COLEUS $4.00 per 1000.

Rooted Cuttings, 50 cts. per 100; 60 cts. by mail. Crimson Verschaffeltii in large quantities; Golden Bedder and best varieties. Cash with order.

C. SCHULZE & SON, Flushing, N. Y.
25 Kalmia Street.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
STOCK PLANTS

Adula, Nagoya, Polly Rose, M. Graham, Phenomenal, H. W. Rieman, Dolorous, Lucie Faure, Cullingfordii, Mrs. H. Robinson, M. Henderson, Glory of Pacific, Bergmann, Bonnaffon, Appleton, Ivory, Pink Ivory, Pennsylvania, Mrs. J. Jones, Wanamaker, Meta. 60 cts. per doz., $5.00 per 100.

MOUNT HONNES CONSERVATORIES,
Fishkill, N. Y.
Mention the Florists' Exchange when writing.

Write for Prices
PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.
JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

THE CANADIAN MARKET

OTTAWA.—Holiday trade is over and everyone is satisfied. The increased demand for plants at the holidays is a sure guarantee that everything grown in the space devoted to plants is sure to sell. The demand for plants and flowers between Christmas and New Year's was very good, and the cut-flower trade at New Year's could not be supplied. Prices kept up and all stocks were scarce. The flower most in demand during the holidays was the carnation and the increased call for American Beauty roses, even at top prices, was most noticeable. There did not seem to be quite as much of a rush for violets as in former years, the price having something to do with that, and the fact that there was not a large enough supply to warrant the florist in pushing their sale. E.

TORONTO.—Business during the past week has been satisfactory, with considerable funeral work. There was a fairly good trade done for New Year's. Plant sales have fallen off. Roses, carnations and violets are coming in freely and of good quality. American Beauty are rather scarce; Roman hyacinths and Paper White narcissus are very plentiful and cheap.

The weather has been fine and warm, which is a great blessing to a good many of us, as fuel is by no means plentiful, soft coal being about the only thing obtainable in anything like regular supply, and it is expensive and, generally, very wet. T. M.

MONTREAL.—New Year's trade was of a decidedly satisfactory character, and both plants and cut flowers enjoyed a measure of popular favor. No doubt a good deal of the increase was due to the ideal weather conditions prevailing. In plants, there was an increase in the sale of palms, ferns, etc. This demand comes from the French-Canadian portion of our residents, who make the New Year the occasion of the giving of presents instead of Christmas. In flowering plants, it was noticed that the call was for moderate-priced specimens almost exclusively; very few plants that were valued higher than $2.00 were sold. In cut flowers there was not by any means the demand for American Beauty roses that there was at Christmas. Violets are still lacking in activity, but the lowering of the price begins to show extended sales. Carnations were undoubtedly the favorites, and the call for whites was decidedly more pronounced than at Christmas.

The general tone of the retail trade is optimisitc, and if the wholesalers will meet the retail men in prices there should be no cause to complain of poor business for some time to come. B.

Canadian Cut Flower Prices.

TORONTO.—American Beauty, fancy special, $50.00 to $60.00; extra, $30.00 to $35.00; No. 1, $25.00 to $30.00; culls and ordinary, $8.00 to $10.00; Bride and Bridesmaid, extra, $12.00 to $15.00; No. 1, $8.00 to $12.00; No. 2, $3.00 to $6.00. Cusin, $3.00 to $12.00; Liberty, $4.00 to $15.00; Meteor, $4.00 to $12.00; Mrs. Pierpont Morgan, $4.00 to $12.00; Perle des Jardins, $3.00 to $10.00; Sunrise, $3.00 to $10.00; cypripediums, $15.00; carnations, inferior, all colors, $1.50 to $2.00; standard varieties, $2.00 to $5.00; fancy, $6.00 to $8.00; adiantum, 75c. to $1.00; asparagus, $20.00 to $75.00; callas, $8.00 to $10.00; daffodils, $3.00 to $4.00; daisies, 50c. to $1.00; galax leaves, 10c. to 15c.; hyacinths, $2.00 to $3.00; lily of the valley, $1.50 to $4.00; mignonette, $2.00 to $6.00; narcissus, $1.50 to $3.00; smilax, $25.00; tulips, single, $2.00 to $3.00, violets, 75c. to $2.00.

Forcing Tomatoes.

Professor Beal, of the University of Illinois Agricultural Experiment Station, Urbana, Ill., has issued a serviceable bulletin (No. 81) on this subject. He says:

"The rapidly growing cities of Illinois offer an increasing market for forced vegetables. The demand for forced tomatoes in most of our large cities begins as soon as the frost has destroyed the out door crop and lasts until February, when the Florida crop usually appears in the market. To supply the market during this period the grower must have a light, tightly constructed house in which a high temperature can be maintained in the coldest weather. Considerable skill is necessary for the successful management of the crop owing to the peculiar difficulties in growing tomatoes at this season of the year. The tomato is a sun-loving plant and during the short days with periods of cloudiness it is sometimes a problem to obtain a good setting of fruit.

"From the above reasons it will be seen why tomatoes must bring from twenty to fifty cents a pound in order to pay a profit to the grower. If tomatoes can be profitably grown at the lower figure given they can be sold in any city that supports a florist business. Few people can resist the temptation to purchase fruit or vegetables that are in the market out of season. If these prove to be as palatable as the naturally ripened product the demand increases even at what at first would seem to be an exorbitant price.

"Fortunately, the demand for forced tomatoes does not cease upon the appearance of the Southern product in the market. The forced tomato is far superior to the shipped tomato both in appearance and quality, it being necessary for the latter to be picked green and ripened in transit. Therefore the home product sells for a higher price. As the weather becomes warmer the price decreases and the demand increases. The grower is able to meet the decreasing price because less and less artificial heat is needed to ripen the crop. Many times otherwise idle houses can be used for the Spring crop.

"The expense of caring for tomato plants, while small, is light, as they are then in pots and require little room. After transplanting into the benches, the aim should be to get fruit as soon as possible, as the plants are occupying valuable space. If the plants have not been properly checked before transplanting into rich soil they make a splendid growth, sometimes producing little fruit, but usually the crop is simply delayed. Many growers secure no return for ninety or a hundred days after benching their plants, when half that time is all that is necessary. The expense of heating the house for the extra time is quite an item for the grower's consideration.

"Tomatoes may be planted among carnations in the Spring and when the Easter rush is over given the entire space with a thorough dressing of fertilizer. Tomatoes for the Spring crop are grown after lettuce, radishes, and similar crops. As little heat is required, such houses, if of sufficient height to train plants, are well suited to the purpose."

Full directions as to fertilizers, planting, temperature, watering, training, pollination, etc., are provided. Professor Beal states his first tomatoes were sold in March, 1901, at 20c. a pound. The next Winter the price was set at 30c. a pound during January and February, reducing it to 20c. on March 1, with greater demand than the season before. Following is the summary of his experiments:

By checking the plants it is possible to secure fruit in fifty days from benching.

To secure fruit by Thanksgiving day the seed must be sown by July 20 and the plants benched not later than October 1.

Pollen is not discharged during cloudy weather and advantage must be taken of short periods of sunshine to pollinate by hand. Since the product is most valuable it will pay the grower to pollinate by hand regularly between December 1 and March 1. The advantages are a larger number of fruits set and larger, more uniform fruits.

A careful selection of varieties for the Midwinter crop is requisite for the greatest success. Those varieties developed under forcing house conditions like Best of All and Lorillard give the best results.

Eclipse gave the largest yields both for the Winter and Spring crops of 1902. It is not quite so early as Best of All but it produced the smoothest and most solid fruits.

The yield of Yellow Prince was decidedly inferior to that of the Combination grown under similar conditions.

Plants trained to single stems gave a much greater yield per square foot of bench than those trained to three stems, the yield of the former being one and one-fifth pounds against four-fifths of a pound for the latter.

The average yield for the season 1901-1902 including both the Winter and Spring crop, was from two to nearly two and one-half pounds per square foot of bench, or from seven to almost nine pounds per stem.

FLORISTS' STOCK

Roses. Caroline Soupert, 2¼ in., $4.00 per 100.
Asparagus Plumosus, fine 2½ in., $6.00 per 100.
Geraniums, fine, from pots named, $3.25 per 100.
Araucaria Excelsa, 5 in., 4 tiers, $6.50 per 10.
Kentias, 3 in., fine for fern pans, $15.00 per 100.

WEBSTER BROS., Plantsmen, HAMILTON, CANADA.
Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS
$6.00 PER 100.
J. GAMMAGE & SONS, London, Ont.
Mention the Florists' Exchange when writing.

Crimson Rambler

4 to 5 feet, $15.00 per 100; 3 to 4 feet, $12.00 per 100; 2½ to 3 feet, $10.00 per 100.

CANNAS. Send for new Price List

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

...DAHLIAS...

25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

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DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

ROSES for spring blooming—The proper sorts—Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-yr. field-grown plants on own roots that have never been forced, suitable for 5 in. pots, at 6c.; larger for 6 in. pots, at 10c. Large-flowered Clematis, finest purple, lavender, white and pink sorts, 2-yr. field-grown or from 5 in. pots, at 18c.; 1-yr. field-grown or from 3 in. pots, at 9c. Clematis Paniculata, fine 2-yr. field-grown 5c. Hydrangea P. G., fine rooted layers, 2c. Packing free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

Large, Strong Stock Plants from Bench.

Bently	$0.35 each;	$3.00 per doz.
C Holst	.25 "	2 00 "
Honesty	25 "	2.00 "
Prosperity	.25 "	2 00 "
Providence	.25 "	2 00 "

T. Eaton, Appleton, Maud Dean, Childs, Mrs. Chamberlain, Liberty, Chadwick, Orizaba, Lady Roberts, Golden Wedding, Golden Beauty, Bruant, $1.50 per doz.; $8.00 per 100.

Mrs. E. D. Smith, White Bonnaffon, R. H. Pearson, Bergmann, Willowbrook, Ivory, October Sunshine, Merry Monarch, The Queen Mrs. J. Jones, Bonnaffon, Lucie Faure, Niveus, Eclipse, $1.00 per doz.; $6.00 per 100; 6 plants of one variety at doz. rate; 25 at 100 rate.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

XXX STOCK

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots, in bud and bloom, $6.00 per 100, from 4 in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S. A. Nutt La Favorite, Jean Viaud, etc., well-grown plants from 2½ in. pots, $2.50 per 100, $22 50 per 1000.

CANNAS dormant tubers, 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen rlotte, Papa Canna, Egandale, etc., $2 00 per 100; $18 00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings of the two great paying Summer bloomers, Queen Louise, best white, Ethel Crocker, best pink, $1.25 per 100, postpaid. $10.00 per 1000, by express.

75,000 DAHLIAS

Fine Whole Field-Grown Roots

If you need Dahlias write us. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

Murphy's White Carnation

is proving itself a paying commercial white. It was in full crop for the Holidays. Has been in continuous crop since August. We do not claim a Fancy, but the best paying White on our market to-day, as a keeper, as a producer, seller and shipper. It is all we claim for it. We are booking orders now for February 1st to 15th delivery. First-class cuttings and satisfaction guaranteed, or money refunded. Place your order with S. S. Skidelsky, traveling salesman, or J. Gammage & Sons, London, Ont., Canadian agents, or send direct. $6.00 per 100; $50.00 per 1000; $45.00 per 1000 in 5000 lots, $40.00 per 1000 in 10,000 lots.

Wm. Murphy, Wholesale Carnation Grower
130 E. Third St., Cincinnati, Ohio

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6 00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00
Mrs. Bradt,	2.50	20.00

250 at 1000 Rates

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

ROSES

	Per 100	Per 1000
Bridesmaid	$1.50	$12.50
Bride	1.50	12.50
Perle	1 50	12.50
Golden Gate	$1.50	$12.50
Helen Gould	2.50	20.00
Oliver Ames	2.50	20.00

CARNATIONS

Variegated.

	Per 100	Per 1000
Prosperity	$1 50	$12.00
Gaiety	1.50	12.00

Pink.

	Per 100	Per 1000
Enchantress	12.00	100.00
Mrs. Lawson	2.00	15.00
Dorothy	2 00	15 00
Guardian Angel	1.25	10 00
Ethel Crocker	1.25	10 00
Mrs. Joost	1.00	8.00
The Marquis	1 00	8.00

White.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Flora Hill	1.25	10.00
White Cloud	1.25	10.00
Norway	1 25	10.00

Red.

	Per 100	Per 1000
Adonis	14.00	120.00
Palmer	4.00	30 00
America	1.50	12 00
G. H. Crane	1.50	12.00

All clean, healthy stock and well rooted. Unrooted cuttings at half of the above prices.

GEO. REINBERG, 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

ROOTED CUTTINGS—NEW VARIETIES

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Adonis, scarlet. (Hill)	14 00	120 00
Pres. McKinley, cerise. (Grave)	12 00	100 00
Murphy's White. (Murphy)	6 00	50 00
Lillian Pond, white. (Reuter)	10 00	75 00
Penelope, white. (Dorner)	5 00	40 00
Sibyl, cerise. (Dorner)	12 00	100 00

ROOTED CUTTINGS—STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, beautiful, large, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	40 00
Queen Louise, white, very free	3 00	25 00
Lorna, white, the largest and one of the best	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, scarlet, the best we ever grew	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

Mention the Florists' Exchange when writing.

WHITE CARNATION MARION

Business all the year around.

ROOTED CUTTINGS, January 15th and after; $5.50 per 100; $45.00 per 1,000.

PIPS OF DORA, now at $2.00 per 100. Cash with order.

ISAAC A. PASSMORE, Westchester, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS.

Correspondence solicited with those who are in need of First-Class Healthy

Rooted Carnation Cuttings.

Let us know your needs and quote prices.

UNION STREET GREENHOUSE CO.,
Geneva, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings

of Mrs. Fisher, for summer blooming ready now, $8.00 per 1000.

Cash with Order.

G. F. NEIPP, Aqueduct, Woodhaven P O, N Y.

Mention the Florists' Exchange when writing.

Unrooted Carnation Cuttings

Gaiety, Fair Maid, Oriole, Challenger, Sylvia and Cressbrook at $2.00 per 100; $15.00 per 1000. Queen Louise, Norway, Goodenough, Mrs. Lawson, Prosperity, Dorothy, Lorna and Gov. Roosevelt, $1.50 per 100, $12 00 per 1000. The Marquis, Daybreak, Ethel Crocker, Eldorado and Flora Hill, $1.00 per 100; $7.50 per 1000. These prices are for first-class cuttings, free from all diseases.

Carnation Cut Blooms, fancy, $2.00 per 100.

UTICA FLORAL CO., Utica N. Y.

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100	Per 1000
Cressbrook	- $5.00	$40.00
Challenger	- 5.00	40.00
Fair Maid	- 6.00	50.00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON,
Fall River, Mass.

Mention the Florists' Exchange when writing.

Carnation Cuttings

READY FOR IMMEDIATE DELIVERY.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	4.00	35.00

Also **Roosevelt, Higinbotham, Palmer, Prosperity, Morning Glory and Mrs. Lawson.**

WRITE FOR PRICES.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS Now Ready

We can ship **at once** well-rooted cuttings of the following varieties, **Free from Disease** and **First-Class** in every respect. **NONE BETTER** and seldom equaled, and if not found satisfactory you have the privilege of returning all cuttings:

WRITE FOR QUOTATIONS AND CATALOGUE.

Enchantress, Mrs. Thos. W. Lawson, Golden Beauty, Governor Roosevelt, Governor Wolcott Apollo, Harry Fenn, E. A. Nelson, Morning Glory, Dorothy Whitney, Estelle, Queen Louise, Prosperity, White Cloud, Stella, Guardian Angel, Mrs. Potter Palmer, Lorna, Mrs. Higinbotham, Gaiety, J. H. Manley, Dorothy. Viola Allen, Mrs. F. Joost, The Marquis, G. H. Crane, Enquirer, Cressbrook, Adonis, Lillian Pond, Pres. McKinley, Mrs. Theodore Roosevelt, Tiger.

J. D. THOMPSON CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

Color, pure White.

Size, 3 to 3½ inches in diameter.

Calyx, spreading at the top, making it practically non-bursting.

Form, the lower or guard petals stand out straight, retaining the full size of bloom. Petals slightly serrated and beautifully arranged, forcing a full rounded center.

Odor is very sweet and particularly pleasing.

Stem, 19 inches to 2½ feet during the season, and always strong enough to carry the large flower erect

Habit, strong and vigorous; thrives well and grows rapidly. Transplants readily and comes into bloom early, and is not a cropper. It will stand closer planting than most varieties.

Productiveness, extremely free flowering. More productive than any other large white. A profitable and high-grade commercial variety.

Price, $2.50 per doz.; $12.00 per 100; $100 per 1000.
50 at 100 rate; 500 at 1000 rate.

H. WEBER & SONS, Oakland, Md.
GROWERS AND ORIGINATORS OF NEW CARNATIONS.

Mention the Florists' Exchange when writing.

NEW
Fancy Carnation

"TIGER"

Orange, striped pink; 2½-3½ inches; calyx strong; fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD,
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION

May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS 344,000 Ready Now

1000 California Rooted Cuttings are worth 2000 Eastern Rooted Cuttings.

	Per Doz.	Per 100	Per 1000
Gov. Wolcott, white	$0 60	$4 00	$35 00
Alba, white	60	4 00	35 00
Golden Beauty, yellow	60	4 00	35 00
Violiana, variegated—very nice	1 25	9 00	75 00
Mrs. Palmer, scarlet	60	4 00	35 00
Mrs. Higinbotham, light pink	60	4 00	35 00
J. H. Manley, scarlet	60	4 00	35 00
Viola Allen. variegated.	60	4 00	35 00
Gaiety, fine variegated	60	4 00	35 00
Harry Fenn, crimson	60	4 00	35 00
Apollo, scarlet	60	4 00	35 00
Dorothy Whitney, yellow	65	4 50	40 00
Stella, Dorner's variegated	60	4 00	35 00
Corbett, salmon	40	3 00	25 00
Dorothy, pink	40	2 50	15 00
Chicot, white	50	3 00	25 00
Prosperity, white-splashed pink	35	2 50	20 00
Norway, white	30	1 50	10 00

	Per Doz.	Per 100	Per 1000
Governor Roosevelt, maroon	$0 35	$2 00	$15 00
Lorna, white	30	1 50	10 00
Gold Nugget, yellow	30	2 00	15 00
Mrs. Lawson, pink	30	2 00	15 00
Bon Homme Richard, white	30	2 00	15 00
Egypt, maroon	30	2 00	15 00
Queen Louise, white	30	2 00	15 00
G. H. Crane, scarlet	15	1 00	10 00
Genevieve Lord, light pink	15	1 00	10 00
Evanston, red	15	1 00	8 00
Tidal Wave, pink	15	1 00	8 00
Mrs. F. Joost, pink	15	1 00	10 00
Mermaid, salmon, fine	15	1 00	7 00
Portia, scarlet	15	1 00	10 00
Wm. Scott, pink	15	1 00	7 00
Argyle, pink	15	1 00	7 00
El Dorado, yellow	15	1 00	7 00
General Maceo, maroon	15	1 00	10 00

Write for prices on large lots. 6 at 12 rates, 25 at 100 rates, 250 at 1000 rates.

Terms, SPOT CASH, prepaid to your city at above prices. All rooted cuttings sold under express conditions that if not satisfactory on arrival, return immediately, when money will be refunded.

CALIFORNIA CARNATION CO., Loomis. Cal.

Mention the Florists' Exchange when writing.

20,000
ROOTED CUTTINGS NOW READY
—OF—
Lawson, Norway, Crane, Melba, Gomez, Joost. Crocker, Hill, Lord, Scott and Alaska.
Will be pleased to quote prices on other standard varieties for later delivery.
ST. LOUIS CARNATION CO.,
CLAYTON MO., R R. No 1

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Ready Now. Ethel Crocker, Cressbrook, Gaiety, Enquirer, Morning Glory.

February and March Delivery. Queen Louise, Alba, Her Majesty, Adonis, Apollo, Prosperity, Roosevelt, Mrs. Higinbotham, Mrs. E. A. Nelson.

Send a list of what you want, stating number of each variety and when they are to be delivered.

ALBERT M. HERR, Lancaster. Pa.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10 00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerlv, R. I.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Nelson**	$4 00	$30 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	30 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Dorothy	1 25	10 00	**Marquis**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Roosevelt**	1 25	10 00
Estelle	4 00	30 00	**Mrs. L. Ine**	1 25	10 00
Crane	2 00	15 00	**Chicago (Red Bradt)**	2 00	15 00
America	1 25	10 00			

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 25	10 00	**Murphy's White**	6 00	50 00
Queen Louise	2 00	15 00	**Norway**	1 25	10 00
Peru	1 25	10 00	**Bon Homme Richard**	1 25	10 00
White Cloud	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

	Per 100	Per 1000		Per 100	Per 1000
Bradt	2 00	15 00	**Gaiety**	2 00	15 00
Prosperity	2 00	15 00	**Armazindy**	1 25	10 00

ROSES Well Rooted Cuttings Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
Ants 36
Books Received 36
Briefs for Busy Florists 42
Business Difficulties 37
Carnations at Cottage Gardens 39
Catalogues Received 42
Coal Situation, The 37
Canadian News 33
Carnation Tiger (Illus.) 41
Carnations (Illus.) 38
Central Park, N. Y., Renovating 29
Cryptomerias in Japan 29
Fires 37
Flower Market for Indianapolis 45
Market, Review of The 40
Motor Vehicles for Florists 39
Nursery Department 28
Question Box 42
"Peony Association of the S. A. F." 36
St. Louis Exposition 36
Seed Trade Report 27
S. A. F. 36
Supplement—Magnolia conspicua 36
Tomatoes, Forcing 33
TRADE NOTES:
  Chicago, Philadelphia 41
  Boston, Buffalo, Providence 44
  Cincinnati, Cleveland, Indianapolis; Pittsburg, Saddle River, N. J. 45
  Cromwell, New Haven 47

The Worcester County (Mass.) Horticultural Society has issued a program for the meetings for discussion during the Winter season, 1903.

American Agriculturist celebrates its sixtieth anniversary by the issuance of a special edition, containing comprehensive accounts of the progress and development of agricultural and horticultural interests in America during the period the publication has been in existence.

When every child in our public schools has been taught, through the "nature-study" course, how to grow plants from seeds and cuttings, how to care for the plants, to harvest the seed, cross-fertilization, and other methods of the greenhouse, the florist should lack nothing in the way of material from which to draw possible satisfactory help, as well as additions to the ranks of the industry.

THIS WEEK'S SUPPLEMENT.

Magnolia Conspicua.

There is no magnolia more admired than M. conspicua, which is commonly known as the Chinese white magnolia, and formerly went almost entirely under the name of The Yulan; in old botanies it will be found under the head of Magnolia Yulan. It is one of the most admired of all the genus, both because of its pure white flowers and its early blooming qualities, for of all the well-known species it is the first to flower, save the little bush, one M. stellata, which precedes it. Just look at the illustration presented with this issue and then you will not be surprised that the magnolia pictured holds such a prominent place in the regard of all tree lovers! Notice the height of the tree—thirty-five feet—how it towers alongside the dwelling, the thousands of flowers on it. And how early in the season it is, there being no leaves on the tree, nor on any other tree shown. What a prize to have on one's ground!

The tree illustrated is on the property of Mrs. B. B. Knight, Providence, R. I. One can well believe it is the admiration and delight of all who see it. That it is quite at home is evident, both from its thrifty appearance and from the fact that it is but a tree forty years planted. Truly we congratulate the owner on possessing such a handsome tree.

We do not know how it may be elsewhere, but in Philadelphia this species rarely perfects seeds. Seed pods form, but fall off when about half matured. For this reason, young trees of it are not in any abundance in nurseries, as propagation is from layers—a slow way of getting up a large stock, but a sure way of increasing them, as the young shoots, layered in June, root nicely by the time Autumn arrives, though it is really better to leave them undisturbed for two seasons, when finely rooted plants result.

The M. Soulangeana, another early flowering kind, supposed to be a hybrid between M. conspicua and the purple one, M. obovata, differing from M. conspicua, seeds freely, and in this way many seedlings are produced; but, as with other hybrids, there are variations in character of these seedlings though most of them keep pretty close to the parent, M. Soulangeana, in color of flower.

We have mentioned in former notes on these early blooming magnolias, that with us the flowers are apt to open too early in the Spring, subjecting themselves to being caught by late frosts. This may not occur in New England, but if it does it would be found, by planting the tree on the east or north side of a house, the flowers open several days later than when on the south or west side, and, in many cases, this saves them.

Florists who have calls for a few shrubs would find, as nurserymen do, that the keeping of a few plants in pots is quite profitable. Not only can they be planted at any season, but being in pots secures all the roots, and is a guarantee of the success of transplanting. JOSEPH MEEHAN.

BOOKS RECEIVED.

GINSENG. **Its cultivation, harvesting, marketing and market value, with a short account of its history and botany.** Revised, greatly enlarged and brought down to date. Illustrated, 144 pages, 5x7 inches. Cloth. Price, postpaid, 50 cents. Orange Judd Company, New York.

The impetus given to the American ginseng industry, through the appearance of the first edition of this book, has been almost phenomenal. Ginseng growing has made such rapid strides and the demand for information has increased so greatly that a second and extended edition has become necessary. The information contained in the present volume, which is nearly three times as large as the first, has been culled from a large mass of material and is, decidedly, the best that has appeared since ginseng culture first attracted attention in America. Every detail bearing upon successful ginseng growing is fully and minutely elaborated; and the author is confident that ginseng culture will grow in proportion to the application of intelligence to it. To any one intending to embark into this industry this book must prove invaluable.

That "Peony Association of the S. A. F."

We had hoped and expected that ere this the President of the Society of American Florists and Ornamental Horticulturists would have taken steps to publicly announce the annulment of the action of the "Peony Committee," recently appointed by him, in so far as that action makes the S. A. F. O. H. a party to an arrangement which has neither been agreed to nor sanctioned by the general Society, and which is a direct violation of the Society's constitution and by-laws. This step on the part of the president is all the more imperative since the so-called "Peony Association of the S. A. F." is soliciting members for itself, and holding out as an inducement to join that association free membership in the Society of American Florists. With no ratification by the National Society of this extraordinary offer, it will readily be seen that great harm will ensue to the S. A. F. O. H., through the promulgation and institution of a premature and unwarranted proceeding of this character. The interests and welfare of the S. A. F. O. H., as well as the preservation of the rights of all of the members, demand that immediate and peremptory measures be taken by the president to safeguard the Society against the damaging results of an unwise and unconstitutional action of one of its committees.

The dignity, self-respect and integrity of the S. A. F. O. H. are assailed, when membership in our national body is thrown in as a "sop" to promote the popularity of a specific plant or family of plants. Not only that, but should the S. A. F. O. H. lend itself to such an ignominious act, it does so at the expense and commercial hurt of those of its members who have not a scintilla of interest in the peony, and whose business would be militated against by the extra effort put forth by the National Society in behalf of that plant.

The province of the S. A. F. O. H. is to further the interests of each and all of its members as far as in its power lies, to do the greatest good to the greatest number. It violates its constitutional prerogative when it unduly aids one branch of the industry it represents at the expense of all other branches of that industry.

If the nomenclature of the peony is in an entangled condition—and it undoubtedly is—the S. A. F. O. H. has a nomenclature committee to straighten it out; or, if such committee be incompetent in the premises, one or more "peony experts" can be called in, and assistance will, no doubt, be freely forthcoming.

The S. A. F. O. H. cannot for its own best welfare allow membership in it to be cheapened to the extent of being given away gratis. For that reason, and others alluded to, its president should exercise his authority by at once discharging the committee whose evident want of judgment has plunged the S. A. F. O. H. into unnecessary and uncalled for complications, declaring the action of that committee in toto null and void, and appointing men to take up the work whose good sense will guide them in operating within the terms of the resolution referring to the peony, as the Society willed that resolution should be carried out by its vote at the Asheville convention.

The Carnation League of America has been formed with Lewis G. Reynolds, of Dayton, O., as the moving spirit.

"The league will be a permanent organization," said Mr. Reynolds, "with plans for enrolling all members. The present plan is that no fee be attached to the league. Funds for the promulgation of the movement and for its establishment have been provided."

The league's name was suggested by the fact that the carnation was Mr. McKinley's favorite flower. Women will be enrolled in the league the same as men, and each member will wear a carnation on the anniversary of Mr. McKinley's death.

Society of American Florists and Ornamental Horticulturists.

President Burton has appointed Messrs. Geo. C. Watson, Philadelphia, and R. F. Tesson, St. Louis, members of the Executive Board, to serve for a term of three years, beginning January 1, 1903.

To Discuss Express Rates.

In compliance with an appeal from local members of the Society and by and with the advice and consent of President Burton, a meeting of flower shippers and others directly affected is called at 9 o'clock a. m. Saturday, January 17, at the American House, Boston, to consider the unwarranted and oppressive advance in express charges upon cut flower shipments and to take such action in the premises, under the auspices of the National Society, as may be necessary for the protection of the cut flower industry. All flower growers and dealers are cordially invited, whether or not members of the S. A. F.

WM. J. STEWART, Secretary.

St. Louis Exposition, 1904.

Under the classification of trees, shrubs, ornamental plants, flowers, etc., there will be installed in the horticulture palace and on the grounds of the Universal Exposition of St. Louis, in 1904, displays, as follows:

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS.

Ornamental standard trees, seedlings or grafted.

Ornamental shrubs, deciduous or evergreen.

Plants for the park or for the garden.

Herbaceous plants, grown in open ground; dahlias, chrysanthemums, etc.

Masses and baskets of flowers.

Bouquets of natural flowers.

PLANTS OF THE CONSERVATORY,

Specimens of culture used in different countries, for use or for ornament.

Forced culture of vegetables and fruits; specimens of products.

Specimens and varieties, cultivated for ornament; plants from houses of moderate temperature; plants from hot houses.

SEEDS AND PLANTS FOR GARDENS AND NURSERIES.

Collections of seed of vegetables, plants and trees.

Young trees, seedlings or grafted.

Plants and flowers, grown for perfumes or extracts.

GARDEN APPLIANCES AND METHODS.

Tools for gardeners and nurserymen; spades, picks, hoes, lawn mowers, garden rollers. Tools for pruning, grafting, gathering, packing and transporting produce; pruning and grafting knives, ladders. Watering apparatus.

Apparatus and objects for ornamenting gardens; vases, pots, chairs, seats, fountains, labels, etc.

Glass houses and their accessories; heating apparatus, mattings, etc.

Aquariums, ferneries, etc., for use in dwellings.

Landscape architecture; plans, drawings, models, books, pictures, etc.

SPACE AND POWER FREE OF CHARGE.

There will be no charge for space occupied by exhibits, and a limited amount of power for the operation of mechanical devices to illustrate processes of special interest will be furnished to exhibitors without charge.

Ants.

Editor Florists' Exchange:

In answer to A. Dummett's article in regard to red ant in his seed boxes, I would suggest that he put fresh tar roofing paper under his seed boxes. This has served me well under similar circumstances. C. L. CONARD.

The Coal Situation.

Editor Florists' Exchange:

I have noticed in your valuable paper lately that a number of our craft is having trouble in securing a sufficient quantity of coal to keep Jack Frost outside of the glass. We have been having a moderate supply, but no large quantity has been on the market at any time this Winter, and what we have been able to secure has been very high-priced. Hard coal is now selling at $7.00 per ton, while soft coal, run of mine, is selling at $5.50 to $6.00 a ton. I have used hard coal until this Winter, when I have been obliged to burn soft coal. Everyone knows what a smudge it makes, covering the glass with soot. This I tried to remedy, and have been so successful that I have now but very little smoke or soot. This is how I obtained the desired end: Give but little bottom draft and leave the upper door open about an inch, with all the check drafts closed so as to get as strong a draft as possible while the gas is passing off. By leaving the feed door open, as above stated, air is admitted over the fire, and the gas burns instead of passing off in the form of smoke.

I hardly think this could be done in a small boiler with a poor draft. I experimented with a brick-set No. 9 Furman. Care must be exercised in firing not to put too much coal on at a time. After the gas has burned you will have a bed of coke. Apply another covering of coal as soon as the last is coked, and repeat the operation till you have a large body of clear coke, when you can close your boiler doors as you would in burning coke or coal until the fuel is well burned out, or until you require more fire, when the operation can be repeated.

The question kept suggesting itself to me, How can I lower my coal bill and keep it at a point where all my year's earnings would not go to the coal merchant? This is what I have learned after a series of experiments. I now use half soft coal, run of mine, or slack, and half hard coal screenings, mixed in the bin. This I treat in a similar manner as clear soft coal, with very satisfactory results. It lasts almost as long as hard coal, and makes a very hot fire at a great saving in cost. This is how it works in my boiler: I fire with about 1½ inches of the above mixture, possibly 2 inches, not any more at one firing. This I treat as before stated for soft coal, and when all the smoke has passed off I at once fire again and repeat the operation until I have a good bed of fire which will last without further care after the drafts have been set to suit the weather. This, with the temperature outside at from 10 to 20 degrees above zero, will last me from 4 to 6 hours, depending on how strong the wind is blowing.

In order to make a success with this fuel, it is necessary to have the hard and soft coal well mixed. The soft coal cokes and holds the hard coal screenings from lying so close together as not to permit the air to pass through in sufficient amount to allow of combustion. This makes a very hot and durable fire. If you should require a quick fire after you have a bed of coke, take your bar and run it under your fire and lift it up so as to break the coke, open up your drafts, throw on a couple of shovelfuls of coal, and "let her go." You will find you have one of the hottest and quickest fires you ever had.

Hope this may help someone who is short of fuel and short of funds to pay present prices. E. A. BUTLER.

Niagara Falls, N. Y.

BUSINESS DIFFICULTIES.

BEVERLY, MASS.—David H. Guinvan, florist, has filed a petition in bankruptcy. Liabilities, $8,127.28; no assets.

SPRINGFIELD, MASS.—The Murphy Company, florists, are petitioners in bankruptcy, with liabilities of $2,785.93, and assets of $1,000. The firm consists of Dennis J. Murphy and Irving Bolt. The heaviest debts of the firm are all unsecured, and some of the larger creditors are: A. N. Pierson Cromwell, Conn., $695.59; Springfield Fire and Marine Insurance Company, $367; George Saltford, $347, and about 25 smaller creditors. The firm has for assets about $200 in stock and $800 in machinery and tools.

New York.

The Week's News.

The express companies have not yet reduced the exorbitant rate for carrying cut flowers, which went into effect December 10, 1902; and, in the meantime, they are losing a good deal of business in certain sections of New Jersey. A wagon express has been instituted between Madison, N. J., and New York, through the efforts of wide-awake rose growers, and this mode of conveyance is proving a decided success. The wagon takes in its route, Chatham, Summit, Short Hills, etc., picking up the boxes of the various growers. In addition to saving the consignors about 50 per cent. on charges, the flowers can be landed in New York two or three hours earlier in the morning than by the former method.

The coal question is in anything but a satisfactory condition, so far as this city and vicinity is concerned. The price of coal is still high, and the supply uncertain.

The monthly meeting of the New York Florists' Club will occur on Monday evening, January 12, in the club rooms, 128 East 28th street. The newly elected officers will be installed, and other important business will come before the meeting.

The annual dinner, to be held on Saturday evening, the 31st inst., in the Hotel St. Denis, will be a grand affair, and members who wish to attend will confer a favor on the dinner committee by informing Charles B. Weathered, 46 Marion street, New York.

The Brooklyn Horticultural Society met on Monday evening, with President C. W. Ward in the chair, and upwards of twenty-five members present. Albert M. Herr, secretary of the American Carnation Society, was also in attendance. The arrangements for the entertainment of the Carnation Society are being pushed with vigor, and another meeting is to be held on Monday evening, January 19. Through the efforts of Alfred H. Langjahr, some valuable prizes have been offered by several of Brooklyn's business houses, notably a silver cup by M. Straus, jeweler, and a cut-glass water bottle by F. Loeser & Co. Secretary Herr will make application for fare and third railroad rates. To secure this fare necessitates the presence at the meeting of one hundred members from a distance. Those intending to be present should at once notify Mr. Herr, to enable him to complete arrangements with the transportation companies.

For toastmaster at the banquet to be tendered the delegates the names of Lieutenant-Governor Woodruff, Editor St. Clair McKelvey, of the Brooklyn Eagle, and Park Commissioner Young are mentioned.

At the annual banquet of the Erie Railroad officials, held Friday evening, January 9, in the hotel Savoy, Edward Sceery, florist, of Paterson, N. J., had the contract for supplying the elaborate decorations.

Notwithstanding the fact that one of the largest Sunday papers in the city proclaimed that the use of holly and evergreens would not be so much in vogue for the holidays, and that the fire commissioners debarred the department stores from festooning their interiors, the sale of these articles at Vaughan's Seed Store this Christmas has been greatly in excess of that of any previous year.

The shortage in vine seeds is very pronounced, particularly cucumbers. Wrinkled varieties of peas are also scarce, as are also wax beans and some varieties of corn.

Charles Zeller, the veteran Flatbush florist, has been on the sick list for some time. His many friends will be glad to hear that his health is slightly improved.

The annual bowling for individual prizes of the Flatbush Florists' Bowling Club will take place on Thursday evening, January 15.

Eugene Dailledouze attended the smoker of the Philadelphia Florists' Club held in Horticultural Hall, on Tuesday evening. Mr. Dailledouze took along with him some new carnations to be exhibited before the Quaker City experts.

Traendly & Schenck, wholesale florists, 38 West 28th street, are receiving the first shipments of the season of Ulrich Brunner roses.

Julius Lindstrom, author of "The Culture of Adiantum Farleyense," has reduced the price of that booklet from $1.00 to 50c. each.

Mary Edna, daughter of J. H. Griffith, secretary of the A. T. De La Mare Printing and Publishing Company, Limited, was married on January 1 to Charles Henry Zimmer, of Weedsport, N. Y.

The annual smoker of the Morris County Gardeners and Florists' Society will be held in the Button Building, Madison, N. J., on Wednesday evening, next, January 14. The annual dinner of the Tarrytown Horticultural Society will take place at the Florence Hotel, Tarrytown, N. Y., on the same evening.

Visitors in town: Albert M. Herr, Lancaster, Pa.; and Carl Jurgens, Jr., Newport, R. I.

FIRES.

HINGHAM, MASS.—The greenhouse establishment of Miss Abby Bradley was damaged by fire December 26.

SPRINGFIELD, O.—The greenhouse plant of Charles Unglaub was destroyed by fire on January 1; damage, $2,500.

AKRON, O.—A fire, which caused slight damage, occurred in the greenhouses of W. P. McFarland on Monday, December 24, 1902.

DUBUQUE, IA.—The boiler-room and some greenhouse stock belonging to W. A. Harkett Floral Co., were damaged by fire on December 26 last.

Advertiser's Note.

The "ditto" marks after the Brenchleyensis Ceres and La March Gladioli, in our advertisement on page 2 of last issue, should have been omitted.

JOHN LEWIS CHILDS.

Brings Double the Orders of the Other Two Papers Combined.

The sale of novelties this year seems slow; but, so far, your paper has brought double the number of orders received from the other two papers combined.

HENRY EICHHOLZ.

INDEX OF ADVERTISERS

Allen J K 43
American Bulb Co....28
Amling E C 45
Anderson & Christensen 31
Andorra Nurseries ...29
Aschmann G 31
Antlantic Coast Nurseries 30
Bader J 31
Baker W J 44
Barr B F 30
Barrows H H & Son.31
Bassett & Washburn 32-45
Bayersdorfer H & Co.48
Beckert W C 26
Berkmans P J Co....30
Berger H H & Co...27
Bernheimer E 44
Berning H G 45
Blaauw J & Co....30
Black C 29
Bobbink & Atkins...25
Bock W A 31
Bonnot Bros 43
Boston Letter Co....46
Bradshaw & Hartman 43
Briarcliff G'houses ..42
Brown Bros Co 30
Brown E C & Co....46
Brown P.... 30-33
Burgevin P J 31
Burpee W A & Co....28
Byer Bros 30
Caldwell, the Woodsman 42
Cal Carn Co....35
Canadian Advts 33
Carmody J D 48
Central Mich Nurs...30
Chicago Carn Co 34
Childs J L 26
Chinnick W J 30
Clucas & Boddington.25
Collins Thos 42
Conard & Jones Co..34
Cottage Gardens 34
Cowee A 26
Cowee W J 46
Cowen's N Sons....46
Craig R & Son....31
Crooke J J Co.. ...42
Crowl Fern Co 42
Cunningham J H ...30
Cut Flower Ex 43
Davis A B & Son....34
Deamud J B 45
Deming Co 46
D'Haene Ad Co, Ld.31
Dietsch A & Co....47
Diller, Caskey & Co.47
Dillon J L 30
Dillon G'house Mfg Co 48
Dingee & Conard Co.34
Dorner F & Sons Co.35
Dreer Hy A 27-48
Dumont & Co 44
Dunne & Co 46
East'n Chem Co 46
Eichholz H 35
Eisele C 48
Eisele J G 31
Elizabeth Nurs Co .27
Elliott W & Sons....26
Elliott W H 25
Emmans Geo 31
Endtz Van Nes & Co.29
Farquhar R & J & Co.26
Felthousen J E 30
F & F Nurseries....30
Fick & Faber 35
Fillow & Banks 35
Foley Mfg Co 47
Foster L H 31
Gammage J & Sons..33
Garland G M 47
Ghormley W 43
Giblin & Co 47
Greene & Underhill. 33
Greenhouse Mfg Co..47
Gunther W H 43
Guttman A G 43
Haerens Bros 31
Hammond J A 42
Harris C A & Co....30
Heacock Jos 31
Heiss J B 31
Helios Upton Co 46
Heller & Co 28
Herr A M 32-35
Herr D K 33
Hermann A 48
Hews A H & Co....46
Hicks & Crawbuck...43
Hill E G & Co 45
Hilfinger Bros 46
Hippard E 47
Hitchings & Co. 48
Holton & Hunkel Co.45
Horan E C 43
Hor'l Advertiser 46
Hughes G J 30
Hunt E H 45
Igoe Bros 34
Jacobs S & Son....47
Jackson J H 48
Jackson & Perkins Co 30-31
Jennings E B 30
Jessamine Gardens .29
Johnson & Stokes ...27
Jones H T 28
Joosten C H 28
Kasting W F 44
King Construction Co.48
Knapper A 30
Koster & Co 29
Kraft T 34
Kreshover L J 42
Kroeschell Bros Co...47
Lager & Hurrell 31
Landreth D & Sons. 26
Lang J 43
Langjahr A H....43
Lehman Bros 48
Little South Floral.. 35
Limbach Casper....47
Livingston Seed Co...46
Lockland Lumb Co..47
Long D B 46
Lord & Burnham Co..47
Lovett J T 29
Mader P 34
Manhattan Supply Co 32
Manger W & Sons . 29
McFadden E C ..31
McCarthy N F & Co 44
McKellar & Winterson 45
Mt Hounes Consy ..33
McManus J 43
Meyer C L 31
Michell H F 27
Millang C 43
Millang F 43
Moninger J C Co....47
Monkhouse J 29
Moon S C 34
Moon Wm H Co 30
Moore, Hentz & Nash 43
Moore W J 44
Moss G M 44
Mott Walter Sd Co .28
Munro J 45
Murphy Wm 34
National Board Trade 46
National Plant Co ..31
Napp G F ..34
Newton A J & Sons .31
N Y Cut Flower Co 43
Niessen L 44
Ouwerkerk P 29
Passmore I A 31
Pennock S S 44
Perkins J J 43
Phila Market 42
Pierce F O Co 48
Pierson F R Co 25
Pierson Sefton Co ..48
Pinehurst Nurseries 29
Pittsbg Cut Flow Co.44
Pollworth C C Co 45
Quaker City Mch Co.46
Rawlings E I 30
Rawson W W & Co.27
Raynor J I 43
Reed & Keller 46
Reid Ed 44
Reinberg George 34
Reinberg Peter 35
Reuter S J 35
Reynolds J L Co....46
Richards F W & Co.42
Rideout E J 42
Riedel & Co 42
Ripperger Geo 46
Robinson H M & Co.42
Roemer F 28
Rowlands W A 32
Rupp J F 28
Ryerson U C 46
Salter W H 34
Saltford Geo 43
Sander F & Son 31
Schmid's 46
Schmidt J C 30
Schultz F W O. 26
Scholl I G 32
Schultheis A 31
Schultz C & Son 35
Scott J 42
Sheffield G'house Co ..28
Shepherd Mrs T B Co 28
Sheridan W F 43
Shinn B S Jr ..42
Smith C 42
Smith N & Son....31
Smith Wm C 42
Smith W & T Co 30
Soltau C 30
Springfield Floral Co 31
Stearns A T Lum Co 48
Stern J 46
St Louis Carn Co ..35
Stone L E 30
Stoothoff H A Co....44
Storrs & Harrison Co 29
Stumpp & Walter Co 26
Styer J J 28
Suzuki & Iida 26
Sutherland G A 44
Swayne W 30
Syracuse Pottery Co 46
Taylor E J 32
Thompson J D 35
Thorburn J M & Co 27
Tobacco W & T Co .46
Traendly & Schenck..43
Union St G'house Co. 31
Utica Floral Co ...34
Vanhorn Griffen & Co 47
Vaughan's Sd 26-28
Vesey W J & M S .34
Vick's Jas Sons 28
Vincent R Jr & Son 29-30
Warburton C 34
Weber C S & Co. .46
Weber H & Son .34-35
Webster Bros 33
Weeber & Don 29
Welch Bros 44
Weston H 31
Whitton & Sons....30
Wietor Bros 32-45
Whilldin Pottery Co..46
Wittbold Geo Co. ...31
Wood Bros 30
Young J 43
Young & Nugent. 43

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 30
Ageratum ...26-27-30-31
Alternanthera 30
Alyssum 25-27-28-30
Ampelopsis 25
Amygdalus 25
Araucaria 31
Asparagus ...25-30-31-33
Asters 25-26-27-28
Azaleas 25-26-28-29-31 32
Begonias 27-30-31-34
Bougainvillea 31
Box 26 29
Browallia 27
Bulbs (not named) 28-45
Caladium 29
Candytuft 25-26-27
Cannas 30-34
Carnations ..30-31-34 35
Centaurea 25-26 27
Chrysanthemums 34
Cinerarias ..27-28-30-31
Citrus 30
Clematis 25-26-29-30-31-48
Cobea 25-27
Coleus 30-31-32-33
Conifers 29
Crotons 31
Cuphea 30
Cut Flowers..42-43-44 45
Cycas 31
Cyclamen ...27-28-30-34
Cyperus 30
Dahlias 27-34
Daisies 25 27 28 30
Decorative Plants. .31
Deutzia 26 28-33
Dielytra 25-29
Dracæna . 25 27 30 31-32
Ericas 31
Evergreens 30
Fern Balls ..25 26 27 31
Ferns ..31-32 33 34-42
Feverfew 30
Ficus 30 31
Freesia 28
Fuchsias 30
Gazanias 30
Geraniums 28-30-31-32-34
Gladioli 25 26
Gloxinias 26
Grevillea 27
Heliotrope 27-30
Herbaceous Plants.. 29
Hibiscus 30
Hyacinths 26 27 28
Hydrangeas .28-29-30 48
Ipomœa 27 30
Iris 29
Ivy 25-30 31
Jessamine 29
Lantana 27 30
Lemon 30
Lilacs 25-26 29
Lilies 25-26-27-29
Linaria 27
Lobelia 25-26 27
Manetti 25 28
Maples 30
Mignonette 25 27
Morning Glory 25
Myosotis 30
Narcissus 26
Nursery Stock ..29 30
Orange 29 30
Orchids 31
Palms 25-30-31-32
Pansy 25-27-28-30-48
Pelargoniums 30
Penisetum 27
Peonies 27-29
Petunia 25-26-27-28-30-37
Phlox 28
Pinks, Hardy 30
Primula 28-30-31 48
Privet 29-30
Pyrethrum 25-27
Rhododendron ..25 29 31
Roses .25 26 29-30-31 34-35 48
Salvia 25-26 27 30 31
Sanseviera 48
Seeds (not named) 26-27-28-45
Selaginella 30
Shamrock 28 30
Shrubs 30
Small Fruits 30
Smilax 25 27-30 42
Solanum 27
Spiræas 25 26 27 29
Staphylea 25
Stocks 25 26 27
Strobilanthes 30
Swainsona 30
Sweet Peas 26-27
Thumbergia 25-27
Torenia 27
Trees 25-29 30
Tulips 26 28
Vegetables 29
Verbena 25 26 27-30
Vincas 27 30-31 33
Wistaria 25

MISCELLANEOUS.

Auctioneers 44
Bamboo Canes 26
Boilers 47-48
Books 31 42 44
Business Opps 32
Collections 46
Cut Flower Boxes 46
Decorative Greenery 42
Designs 44-45 48
Fertilizers 46
Fittings 47-48
Florists' Letters ..44 46
Florists' Supplies 44-45 46 48
Flower Pots, etc 44-46
For Sale 32
Galax 42
Glass 46-47
Glazing Points ..46
Greenhouse Building .48
Gutters 47
Insecticides ..27-41-46
Lumber 47-48
Mastica 48
Moss 42
Mushroom Spawn ..28
Newspapers 46
Oil Burners 48
Painters' Supplies ...47
Pipes, Joints, and Valves 32
Printing 46
Putty 46 47
Sash 47 48
Seed Cases 28
Sprayers 46
Stencils 46
Stakes & Supports. 34
Thermometers 46
Tile 32
Tinfoil 42
Toothpicks 46
Ventilators 46-47 48
Wagon Heaters 48
Wants 32
Wax Flowers & Designs 46
Wire 34

CARNATIONS.

Growing Mrs. Thomas W. Lawson Variety.

Among the many florists to-day who are growing Mrs. Thomas W. Lawson carnation we find quite a difference of opinion as to its merits; and, by investigation, that the treatment of it differs greatly with the grower. I do not wish to be understood to say, in this article, that I know all there is to be known about the growing of this carnation. I merely give my method of handling it, and let me say, that as a money-making carnation on this place there is none to compare with it, as it has nearly every requisite of an ideal carnation. Perhaps the form of the bloom might be improved; and we wish it would never burst; still it is at the top of the list.

Let us begin with the cutting and follow the treatment. When grown in quantity there is no need to cut back, as some suggest, plants here and there which are strong and vigorous from which to take stock, as the variety is a good cutting producer, and there is no cutting quite as good, to my mind, as a well-ripened side shoot from a vigorous flowering stem. I go over the benches and select these from such plants as come up to my standard, and after trimming the jagged end and removing some of the lower foliage, the cuttings are taken to the propagating frame. We seldom trim the upper end of the cuttings, and this I do not consider necessary unless they are so large that too much space will be taken up. But care should be exercised in removing the lower foliage to avoid injuring the cutting. When this foliage is removed always pull it away from the base, never toward it. This will save many a cutting from disease and early death.

The cuttings should root in about four weeks and we consider ninety-five per cent about the usual quantity which will come out of the bench in good healthy condition. Cuttings should be potted off as soon as rooted and given full sunlight, after having been shaded lightly for a few days.

Considering, then, that the cuttings have come from the propagating bench during the latter part of January or the first of February, we should have good stocky little plants to set into the field in April. Great care is necessary with pot stock to prevent a single plant here and there from drying out. Always remember that a wilted carnation of any description is worthless.

We plant into the field as early in April as the weather will permit, which is usually before the fifteenth; almost any kind of a day will do when growing plants from pots. While in the field we give them thorough and systematic cultivation, and this is necessary, especially in dry weather. Cultivation prevents evaporation of moisture from the soil, and by saving this the plant is benefited. A hoeing will do as much, if not more, for a field of carnations than a shower. It will, in fact, benefit any crop as much. A great deal of success in the field depends on the soil, and, in my opinion, this should be well drained above all things. A second requisite is plenty of food; and with these the plants should do well.

Topping in the field is one of the most important points and should be the work of the most careful and most experienced man on the place. There is more in topping a field of carnations than merely pulling out the crowns. I like to have the shoots start to run a little, and then cut them back with a sharp knife, taking out the crown and being careful to cut between the joints. The old method of pulling out the crown I have always considered a source of disease, especially with some varieties, and of these Mrs. Thomas W. Lawson is one. The number of toppings necessary depends on the growth; and each topping will increase the number of shoots. We keep removing the centers of shoots, as I have described, until the middle of July, whenever they are ready to remove. On the last topping depends the date of the bloom, and a topping about July 15 this past year gave us over 11,000 flowers from 4,500 plants, which we consider a good return.

Watering in the field I hear has been done with good results, but with Mrs. Lawson I should prefer to do without it; and let the plant go on sending its rootlets in search of water instead of coaxing them to the surface to be destroyed by the sun and cultivation. Let nature do the watering, and after each rain cultivate thoroughly.

The question of when to bench Mrs. Thomas W. Lawson can only be answered in one way: When the plants are ready. We must consider their condition and to house the variety too early is not much better than too late. By August the plants should be in excellent condition; and by this I mean stocky plants with a dozen or more shoots ready to run up into dollars and cents. If the plants are not stocky and healthy, they should be allowed to remain, and if the few healthy ones do not get to growing, they, with the diseased ones, should not be counted as plants. When the plants are not as I have described, but are healthy, though lacking in thrift and vigor, they should be allowed to remain, and good plants at September 1 will be found to be better than poor plants at August 1.

Having the plants ready, let us consider soil for a moment. My experience has been that Mrs. Lawson needs a fairly heavy soil, and yet one that is porous and friable. It does not like "cold feet;" and to do it well it must have a soil rich enough to feed a rank grower, and one which will not hold an over-abundance of water.

When we begin benching, we have the benches even full of soil, and the spaces marked off. The space given depends on the size of the plants, but 10x12 inches will be the average. Then after being favored with a good rain, we give the roof a light mud-bath for shading and begin to plant, taking care to set the plants no deeper in the houses than they were in the field. We like to do our planting early in the morning before the sun gets strong; and the plants should at least be dug and gotten into a shaded house at this time of day. The man who digs has an important duty, and he must be one who can select the best, for the best is never too good. We use a spading fork and like it very much for this work. In handling Mrs. Lawson carnation, the base of the plant should be handled very carefully, for this variety throws a great many flowering shoots from its base. This should be remembered in planting, for where a plant is set too deep we see none of these.

After planting we keep the plants as well as the atmosphere moist for a few days, and then gradually remove the shading, giving them full sunlight after about ten days. By this time the white rootlets should be making their way through the soil, and the plant has commenced to grow. We keep up syringing for a few weeks on bright days, but discontinue this before the latter part of September, after which we use the hose only when we see signs of spider, or to water dry spots.

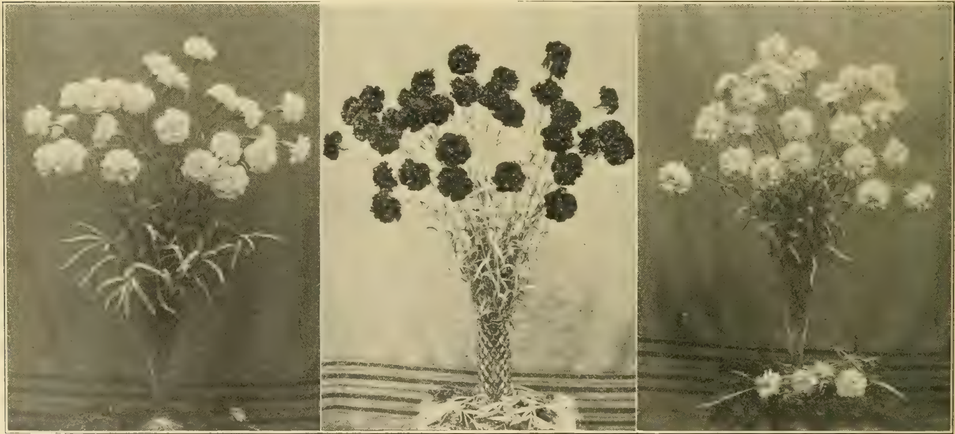
Mrs. Lawson likes to form its flowering shoots under glass, but, in fact, so do many other varieties. When a shoot is on its way upward at benching time, we usually get a short stem as a result of the check the plant receives; but when the plants are benched during August, a good crop of flowers should be produced, with plenty of stem.

Calyx-bursting is one of the worst faults of this variety, and I have come to the conclusion that this is due to an over-supply of moisture and is not as much dependent upon temperature as is generally supposed. When a high temperature is maintained the evaporation from the soil is rapid, and, consequently, it does not get "water-logged" as easily; but if this is kept on the dry side there is practically the same condition of soil and few bursted calyces.

Here, too, comes in the bench question; and Mrs. Lawson does much better with us on benches than in solid beds. The beds do not dry out as well and give more bursted flowers, although much more care is taken to avoid over-watering. Lillian Pond is similar to Mrs. Lawson in this respect, and since it has been kept hunting water it has been too busy to get down-hearted and blow its brains out. There is less suicide where the plants are kept at work.

Mrs. Lawson will stand and will pay for heavy feeding, and this can be begun when the shoots commence to set bud, although the plants require less food during the months of November and December than they will later when the days are longer and the cut is on the increase. Sheep manure seems to give the best results, with a little bone, or super-phosphate and wood ashes for appetizers. In using liquid manure, care should be taken not to soak the benches, for this variety does not do well with a wet bench, no matter what the liquid. A light watering with liquid cow manure will be beneficial, and once in ten days we think about right. With feeding, the quality of bloom should hold good right through the season; and, with care and healthy plants at the start, Mrs. Lawson should prove, if not the best paying carnation, a profitable one.

W. R. PIERSON.



Her Majesty. Harlowarden. Marshall Field.

CARNATIONS GROWN BY THE CHICAGO CARNATION COMPANY, JOLIET, ILL.

Carnation Illustrations.

Through the courtesy of The Chicago Carnation Company, of Joliet, Ill., we present herewith some excellent illustrations of the new varieties of carnations being grown and introduced by that firm. The sorts pictured are Her Majesty, white; Marshall Field, white variegated, and Harlowarden, the grand crimson variety, recently exhibited before the New York Florists' Club, scoring 94 points.

Carnations at Cottage Gardens, Queens, N.Y.

A few hours were recently spent with C. W. Ward, among his carnations, at his extensive establishment, Cottage Gardens, Queens, L. I. The many new seedlings raised here every year are always of great interest, and Mr. Ward has reason to be very much gratified at the measure of success he is meeting with in his endeavor to obtain fixed types from seed in each separate color.

As the crimson section was the first one taken up in this respect, naturally the greatest advance has been made with this color; and, as this year's results are showing, the crimsons are firmly fixed, and can be grown from seed with a certainty as to their color. This may seem at variance with the results obtained by many breeders of carnations; but when we take into consideration the careful work that Mr. Ward has been doing along this line, the care with which this pedigree stock has been built up, as it were, and the many years over which the work has extended; when we consider all this effort, and observe the results on the benches of seedlings to-day, we can easily see that the endeavor to fix the crimsons, so that they can be relied upon for breeding purposes, has been crowned with success.

Among the new crimson-colored carnations that are ahead of their ancestors, there are three that are sure to become popular when they are disseminated. These are, President Roosevelt, Octoroon and Creole Beauty. It does not seem long ago since Governor Roosevelt was distributed, and received such unbounded commendation for its superior color. In comparing this variety with any of the three new ones, we can vouch for the statement that the Governor Roosevelt looks black and lusterless alongside of them.

In the pink shades, both light and dark, and in the yellows and scarlets, Mr. Ward is working along similar lines, and he feels confident of success, though he did not commence with these as early as he did with the crimsons. There are, however, many beautiful flowers among them; but, as they are unnamed, and only known by number, any description of them given would be premature. But, if one wants to see a collection of choice fancy carnations, in colors embracing almost every possible shade, he should go to Queens, and spend an hour or two in the seedling house; the sight is worth a long day's journey.

While traversing the many greenhouses, various new varieties are seen on the benches; varieties that have been proved of sufficient merit to be grown in quantity, which are to be disseminated in the near future. The first one noticed is a pink, named Ethel Ward. This variety has proven a very free and continuous bloomer, and comes in quite early. The color is near the shade of Floriana, though it is a trifle darker than that variety. The plants make no superfluous growth, and are averaging high in the number of flowers per plant.

There is a sport from Governor Roosevelt, that appeared three years ago, which is showing remarkable qualities, though it has not been given a name as yet. The variety is a pure white, and has the well rounded form of flower that made its parent so distinguished. The bloom is carried erect on a stem that will easily measure three feet; the plant has a thrifty habit, and blooms profusely.

Gloriana is a light pink-colored flower, and, as seen on the benches, with its delicate shade of color, and its profuseness of bloom, it appears to the observer as one of the most profitable pink carnations in existence. The flower has very broad petals, with a slight tendency to incurve at the edges, and Mr. Ward informed us that it was not proving as good a seller as Alpine Glow.

The latter sort occupies a bench in the same house, and is what may be called of a Daybreak shade of pink, a free and vigorous growing variety, and one that always sells easily. We believe both Gloriana and Alpine Glow are to be sent out this season.

Another charming pink carnation is Mrs. Theodore Roosevelt. The flower is of the Mrs. Thomas W. Lawson shade of color, though it is more brilliant, and, to our idea, is a decided improvement over the latter, so far as color goes. While it is a good average-sized flower, it does not, perhaps, quite equal the Mrs. Lawson in that respect, but it is a non-burster, and is very floriferous.

Red Devil is a bright scarlet variety, with a habit similar to that of General Maceo, one of the freest carnations ever introduced. Governor Bliss is a fine scarlet for the holidays, but is not depended upon after that time.

In the fancy section, Judge Hinsdale has come to the front and always brings top figures in the cut flower market. This is a variegated variety, white penciled with carmine, very large, and is carried on long stems.

The standard varieties of carnations as grown here, are all producing their quota of flowers. Prosperity is doing remarkably well, as is also Mrs. Thomas W. Lawson. The plants of the latter sort that were grown indoors all Summer are a wonderful sight, and there is no doubt but that indoor Summer culture is the ideal treatment for this variety. Golden Beauty, as a yellow, is all that could be desired, both for quality and quantity. Lorna, for white, is doing pretty well; and a bench of Challenger, scarlet, is throwing plenty of bloom, though the stems are short.

A few plants of Mrs. Potter Palmer are giving bursted flowers mostly. Mrs. E. A. Nelson is being tried, but the color of the bloom lacks brightness to a serious extent. J. H. Manley, the scarlet that gave so much promise a year ago, was planted very extensively, but through some cause or other it has developed a white streak in the petals. Whether or not this is a constitutional defect remains to be seen, though Mr. Ward is inclined to that belief.

House of Marshall Field.
House of Her Majesty.
Bench of Harlowarden.

VIEWS IN ESTABLISHMENT OF CHICAGO CARNATION CO., JOLIET, ILL.

Motor Vehicles for Florists.

The exorbitant express rates on packages of cut flowers now prevailing have driven the florists to seek relief in some method of conveyance for their products to market other than by express. It has been proposed to put in operation between country towns, within reasonable distance, and New York City, motor vehicles of some kind for the purpose in view; and the following information appearing recently in the New York Times may be found serviceable and opportune:

A steam truck is now being sold by a Worcester (Mass.) firm which is said to have shown an operating expense of but one-third that of a corresponding service of horse drawn vehicles. The initial cost of the motor truck is much higher, but the operating expense per ton mile is much lower, which accounts for the difference in the showing. In addition, the service by the motor trucks is practically independent of weather conditions, which in practice will make the advantage on the side of the motors even larger.

The expense of trucking by horses is figured as follows:

Four horses, at $200	$800	
Truck, at $500	500	
Harness, at $50 per horse	200	
Blankets, at $1.50 (two sets)	12	
Stable extras (brushes, harness dressing, etc.)	25	
Cost	$1,537	
Depreciation 10 per cent per annum of vehicles	50	
Depreciation 25 per cent per annum of horses	200	
Depreciation 25 per cent per annum of harnesses	50	
Depreciation 100 per cent per annum of blankets	12	
Depreciation 100 per cent per annum of brushes, etc.	25	
Total depreciation		$337.00
Wages		1,300.00
Feed (365 days)		730.00
Shoeing	$350	
Veterinary services	100	
Maintenance of vehicle	75	
Maintenance of harnesses	20	
Total maintenance		$545.00
Interest on investment, at 5 per cent		61.85
Insurance, at 1½ per cent		21.55
Cost to operate		$2,995.40

Disregarding any loss of efficiency in very hot or cold weather, and assuming that a four-horse team travels fifteen miles a day, half of that distance loaded and half unloaded, there will be traveled seven and one half miles a day, making, with an average load of seven tons, a total of fifty-two and one half ton miles. This, multiplied by the available working days of the year, taken as 275, gives a yearly ton mileage of 14,437. Dividing the yearly cost of operation by this figure gives the cost per ton mile as $0.208, or a fraction over 20 cents.

In the case of the motor truck the cost is figured as follows:

Cost	$7,500
Depreciation, at 15 per cent, per annum	1,125
Interest, at 5 per cent	375
Insurance, at 1½ per cent	112
Wages	1,300
Fuel (275 days)	770
Lubricating oil at 50 cents per day	187
Spirits and waste	50
Maintenance and repairs	300
Cost to operate	$4,219

In the case of the truck, however, 40 miles a day can be accomplished, and taking one half of this as the load mileage, the daily ton mileage, with a load of 10 tons, is 200. For the year of 275 working days the total ton mileage is 55,000, which, divided into the yearly cost of operation, gives a cost per ton mile of $0.0767, or less than 8 cents.

The trucks produced by this company have a capacity of ten tons. The available road space is 16 feet 10 inches long, giving a total load area of 118 square feet.

A growers' stock company operating one or more machines over a given territory wherever good roads are to be found, and carrying their own produce to market, would not only be enabled to make far more prompt, safe and satisfactory deliveries than the express companies, but would find themselves with a handsome profit at the end of each operating year.

Review of the Market

NEW YORK.—The most noticeable feature in the flower market at the present time is the sudden drop in the price of violets. While these flowers are coming in more plentifully, it does not seem as though they were so numerous as to cause a decrease in their value of almost 50 per cent.; and there is no doubt that the principal reason for their cheapening is the fact that the buyers are in a retaliating mood over the holiday prices.

Business in general is fairly good, though at the beginning of the week everything was dragging considerably. The supply of roses is anything but abundant, and this tends to maintain prices at about the same as those prevailing one week ago; and as the supply of American Beauty seems to be shortening up, efforts are making to increase the price a little on the special blooms in some quarters.

Carnations have been selling very slowly all week, and values have gone down on all grades. Good Mrs. Thomas W. Lawson are freely offered at $6.00 per 100, and such as have supported calyxes will not bring more than three or four cents each.

Bulbous stock is beginning to be too plentiful for the demand, and prices have dropped accordingly. Paper White narcissus has reached 50c. per 100; jonquils bring only from 35c. to 50c. per dozen; Roman hyacinths are at $1.00 a 100, and tulips, both white and yellow, hang fire at $2.00 per 100. Lily of the valley, from new pips, is coming in, but it looks pale and will not probably average $2.00 per 100. Lilies are not so plentiful, and clear out all right. Cattleya Trianæ are selling well, but the smaller flowered variety is difficult to dispose of. Cypripediums are very plentiful just now, and among them are many with very short stems; these latter are being disposed of at low figures, as a rule. Lilac, in cut sprays, is coming in occasionally and $1.00 per bunch is the asking price, though it seems to hang fire. The demand for smilax and other green materials is about equal to the supply, and prices remain stationary. A few Ulrich Brunner roses appeared in the market this week.

BOSTON.—New Year's Day occasioned but little increase in business for the wholesalers on their out-of-town orders. But with the retailers in the city a very good day's trade was experienced. Since then business has only been fair. The market is but fairly well supplied compared with its usual condition at this season; but there seems to be plenty of everything to meet the rather light demand, except white roses of the medium grades and good lily of the valley.

American Beauty roses are selling out well now, with $6.00 per dozen the highest price, except for a limited supply of specials, for which $8.00 has been obtained. The medium grades, at $3.00 to $4.00 per dozen, are the best sellers, and clean out easily. There is only a fair stock of good tea roses, and, as a general rule, everything cleans up well. Best grades of Bride and Bridesmaid fetch $16.00 per 100, with a few specials as high as $20.00; No. 1 make $10.00 and $12.50, and seconds, $6.00 and $8.00; smaller grades are held at $3.00, $4.00 and $5.00. Special grade of Liberty reaches $25.00 per 100, and the same grade of Meteor makes $16.00. But such prices are obtained for only a small proportion of the daily receipts, as most of the stock is composed of No. 1 and seconds, fetching $12.50 and $8.00 respectively, and smaller grades, $2.00 to $6.00.

Carnations are now in good supply for the prevailing demand, and move much more slowly. Values have been shaded somewhat. The best grade of ordinary sorts is now freely offered at $2.50 to $3.00 per 100, while fancy stock of such varieties makes $3.50 and $4.00; novelties go to $5.00 per 100. Inferior stock is cleaned out at $1.50 and $2.00 per 100.

Violets, too, have increased in quantity this week, and the price has taken quite a slump, which is due more to the lack of demand than to any great increase in the supply. It has been difficult to move them at 75c. and $1.00 per 100. Trumpets and campernelles are now in very good supply, the former fetching $3.50 and $4.00 per 100 and the latter $1.50 per 100. A few Von Sion have arrived, but not enough to quote prices for. Roman hyacinths and Paper White narcissus are in overstock at $1.50 and $2.00 per 100. Lily of the valley has been in good supply, but this week shortened up for a few days, and it has been difficult to get enough to fill orders. Freesia is beginning to come in, but as yet is scarce and sells well at $3.00 and $4.00 per 100. Lilies are very plentiful, and are going harder this week. Prices have been held up with difficulty, $10.00 to $12.50 per 100 are ruling figures for both callas, and Lilium Harrisii. Stevia continues in good supply, and sells well at 20c. and 25c. per bunch. Mignonette is still scarce and poor. F. J. N.

BUFFALO.—Trade is somewhat slow, but not enough stock is coming in to create a glut. Funeral work and a few receptions take the small supply. Violets seem to be more plentiful, but the demand for them is still very good.

CHICAGO.—The past week the supply has been about equal to the demand. Long-stemmed American Beauty roses have not moved as freely as could have been wished, and are quoted at present writing at from $5.00 to $6.00 for extra fancy stock, while other grades have moved more freely at from $3.00 to $4.00. Bride and Bridesmaid are coming in of better quality and are fairly well cleaned up each day at from $4.00 to $12.00, and $15.00 for some extra fancy stock. Meteor holds at from $4.00 to $10.00 per 100; Perle des Jardins, $4.00 to $8.00; Ivory, $4.00 to $10.00; Golden Gate, same figures; Liberty, $6.00 to $20.00, the latter price for extra fancy.

Carnations are arriving in larger quantities each day, and the tone of the market is not so firm as heretofore, although there is a good demand for fancy stock and the prices realized are considered fairly good. The quotations are from $3.00 to $8.00 for fancy, and from $1.50 to $3.00 for ordinary.

Bulbous stock is in better demand than around the holidays and is quoted at from $2.00 to $3.00 for Roman hyacinths and Paper White narcissus; callas, $1.50 to $2.00 per dozen. Lilium Harrisii, $2.00 to $2.50 per dozen; tulips, $6.00 per 100; violets, 75c. to $2.00 per 100; lily of the valley, $2.50 to $5.00; stevia, $1.50 to $2.00; sweet peas, $1.50; mignonette, $4.00 to $8.00 per 100; adiantum, 75c. to $1.00 per 100; smilax, 15c.; asparagus, 30c. to 75c. per string. R. J.

DENVER.—The trade this year at Christmas was as good if not a little better than in previous years. Plants were most in demand, though flowers were well cleaned up and a shortage was noted on American Beauty and good tea roses. The weather throughout the week was pleasant, and plants had only to be lightly wrapped for delivery. Prices prevailed about the same as in other years, with a slight increase on American Beauty and good teas; the best of the former going at $20.00 per dozen, and from that down to $4.00. The demand, though, was for the $12.00 to $20.00 grade. The quality of cut stock was excellent—about the best ever offered in this market at this season of the year. Bridesmaid and Bride sold at from $2.00 to $5.00 per dozen, and Liberty at from $2.00 to $6.00.

Carnations were in good supply and well cleaned out at $1.50 and $2.00 per dozen; some very fine Mrs. T. W. Lawson being offered. Violets met with good sale, and were in ample supply, selling at $4.00 per hundred. Lily of the valley, Paper White narcissus and Roman hyacinths were a drug.

The trade in potted plants was ahead of that of other years, and everything that was at all good was sold. Poinsettias took the lead, the pans having the preference. Prices ranged from $3.00 to $5.00. Azaleas, also, met with favor, the plants that could be sold at from $3.00 to $5.00 going very fast. Some fine large ones were offered that brought $8.00. Some excellent cyclamen were seen, a few specimen plants at the Park Floral Co.'s store being very well done. Boston ferns were in good demand, the $1.50 plants being a popular size. Holly and greens sold well and were pretty well cleaned up at prices a little in advance of other years. Mistletoe was poor and the sales only fair. S.

Christmas sales left the market rather slim, and with trade good throughout the week and New Year's, conditions remained about the same. Prices tumbled from 20 to 50 per cent. on different things just after Christmas, but why I do not know, as there was no surplus and the demand was good until New Year's trade was over. A few good flowering plants found ready sale, but the bulk of the trade was in cut flowers. American Beauty and violets went extra well on December 31 and New Year's, quite a call being noticed for them, occasioned by the Denver Club ball, which took place on New Year's eve, the decorations for which were by the Daniels & Fisher Co. The best American Beauty brought $12.00 at retail, while violets went at $2.00 per 100, and about as many were handled as at Christmas.

The best tea roses realized $4.00 per dozen and were well cleaned up. About the same can be said of carnations, very few remaining unsold when business was over. They brought $1.00 and $1.50 per dozen.

Trade since New Year's has been rather quiet, with the market gradually getting back to its filled up condition.

CINCINNATI - While New Year's trade was not rushing, still we had a fine business and sold all the good stock that we could get. There were no complaints of stock being salted; it was the opposite - stock cut too tight. But we were obliged to have it. Christmas prices prevailed all along the line. Business with the stores continues good; several large weddings and receptions helping matters wonderfully. E. G. G.

PROVIDENCE, R. I.—Alas, for all those optimistic florists who looked forward to Christmas as a profitable season! Both grower and retailer report too high prices and an exceptionally short cut. Carnations led the van in the matter of excessive figures, these flowers wholesaling at from 3c. to 5c. in the open market for a grade not worth half that price. 'Tis true some growers treated their regular customers with a little consideration, but many simply insisted on pirate prices, which in turn forced the retail figures to a hitherto unheard of notch, causing the general public to discriminate against our business in favor of confections, etc. How much money was lost in this way is not known, but the average florist agrees that the volume of trade was much less than last year. Carnations brought 75c. to $1.50 per dozen. Roses were in fairly good supply, bringing from $2.00 to $3.00 per dozen. Violets were very scarce, and easily sold out the day before Christmas for 50c. to 75c. per bunch of 25. Holly was a disappointment as far as the net profit went. All the downtown grocers and marketmen sold it, and cut into the florists' trade.

Christmas greens brought high prices, but were all handled at a satisfactory profit. Very little was carried over. The weather was bad, and had been so for a week or 10 days. This was harmful to the plant trade, and curtailed receipts. There were no novelties to speak of, most of the plants being azaleas and cherries. There was no extra call for Begonia Gloire de Lorraine.

On account of the high prices, the outlying retailers suffered in securing stock, and were consequently hampered in naming a selling figure. They are quite bitter in their attitude to holiday boosting of prices. C. S. M.

PROVIDENCE, R. I.—Things have been moderately dull since the first of the year. Roses are now quoted at 3c. to 12c. for good stock, with fancy as high as $2.00 per dozen, wholesale. The quality is very fine, especially the color of Bridesmaid. Carnations are firm at $2.00 to $3.00 per 100, and move quickly at retail prices of 50c. to 75c. per dozen, although there is considerable inquiry among purchasers as to the whereabouts of the cheaper carnation you used to have? Violets about supply the demand, at $1.00 per 100 to the trade. Dull, rainy weather characterized the first week in January; nevertheless, all stock is growing well, and producing excellent quality of flowers. C. S. M.

LYNN, MASS.—For some weeks preceding Christmas the outlook for trade was very poor. The coal question in our city has given the people something else to think about besides flowers. With hard coal almost impossible to get and soft coal at ten dollars a ton, the conditions were very much against the usual demand at the holidays; however, the last day or two most everything was sold out, carnations still hold the lead; many more could have been disposed of, the supply was somewhat limited on account of cloudy weather. Prices ranged from 75c. to $1.50 per dozen. Flowering plants were next in order; they seem to gain in favor each year. Azaleas, cyclamen and primroses were the leaders. Foliage plants did not sell nearly as well as former years; they have not sold well all Fall, probably on account of empty coal bins. Violets were scarce, at $2.50 and $3.00 per 100. When the price of violets is over $2.00 per 100 buyers take something else. Other flowers sold about the same as in former years. Churches decorated about the same as last year; they help the florist very little at Christmas, most of the work being very cheap.

Not quite so much store decoration as usual was practiced. Nothing in novelties was noted. Holly was in good condition and sold fairly well. On the whole, the trade was better than was expected, but not up to last year, being about 20 per cent. smaller. J. L. M.

GREENFIELD, MASS.—Last year was our first Christmas here, and so I can only compare this year with last. Trade this year has been a little more than double in the total amount when compared with that of the previous season, with violets, carnations and roses in greatest demand, at slightly better prices. In plants the call was mostly for something in flower. Cyclamen and Roman hyacinths in pans took the lead. Red carnation and roses were almost impossible to secure. E. A. RICHARDS.

DETROIT.—The holiday market was all that could be wished for in the way of demand. Stock was quite up to the standard. The warm weather before Christmas brought flowers in earlier than desired and tended to shorten the supply considerably, but there was enough to go around, with the exception of special roses. Carnations were cleaned up. Violets were short of the supply; the blooms would not open up in the dark days, yet many thousands were sold, and at good prices. The past week stock has been coming in faster, and prices have dropped again to normal. There has been no overdemand. Sweet peas are in, as well as bulbous stock. In roses, American Beauty lead, with special Meteor a close second. Medium good carnations find a ready market at 2c. and 2½c. DILGER.

GRAND RAPIDS. – The continued cloudy, dull weather of the past month had a bad effect on cut flowers; not only did the plants not bloom as freely as one would like, but the growth is becoming soft, and the flowers sometimes go to sleep too soon. What first-class stock there was on the market was cleaned out quick, the poorer grades of which there were lots, sold last. But everything went and at good prices. Red stock was awfully scarce, and the one color above all others in demand. White was the only color left.

Lots of azaleas, Roman hyacinths, Paper White narcissus and lily of the valley in pots and pans were left over.

Poinsettias, although in seemingly good supply, were all ordered three days ahead of Christmas; they are pre-eminently the Christmas flower.

Roses were scarce; red in particular couldn't be had at all. American Beauty brought good prices.

Violets were very scarce, the wholesale price on them being $2.50 to $3.00. Color is what is wanted for Christmas—red as first choice, then bright pink.

We predicted a heavy trade in holly. One firm sold 200 cases of as fine holly as ever came to town. Pines and palm leaves were not much in evidence. Green for wreathing is declining in popularity, and laurel was not on the market at all. Very little mistletoe was used; the quality was poor and prices high.

The stores made little real attempt at artistic display, except to fill their windows neatly with plants.

Wholesale prices were a little lower than those of Chicago, while retail prices were as follows: American Beauty, 25c. to $1.50 each; other roses, $2.00 to $3.00 per dozen, carnations, 75c., $1.00 to $1.25 per dozen, the last for Mrs. Lawson and Prosperity; lilies, $4.00 per dozen; Roman hyacinths, Paper White narcissus and lily of the valley, 75c. per dozen. On the whole, trade was better than last year. Shipping business was continuous and heavy; it would have been even better had not high prices held it down.

The advance in express charges caused a protest from out-of-town buyers. Those along the line of the inter-urban road suddenly found it necessary to have their flowers come over the inter-urban, instead of by express.

Business is still rushing and a good New Year's trade is assured.

Happy New Year to ye! G. F. C.

PITTSBURG.—Business is fairly active with plenty of stock to meet all demands. Trade for New Year's was quite good, better than last year, and prices somewhat lower than at Christmas. Speaking of Christmas trade, from latest reports it was far better than ever before. For good, No. 1 stock the highest prices were obtained. The greens business was overdone; excepting holly, all stock was too abundant. Trees were left on the hands of every dealer; several carloads were unsold. A consignment of fifty crates of log moss, which arrived too late for the holidays, was sold at auction for 2c. the crate. Some bouquet green also went at ridiculously low prices. E. C. R.

LOUISVILLE, KY.—From all reports Christmas trade was much better than last year. Prices realized were satisfactory, and stock, with the exception of violets and American Beauty roses, equal to the demand. Noticeable was the increased call for plants, especially those having bright colored berries or flowers. Retail prices for Christmas were American Beauty, $6.00 to $15.00; Liberty, $2.00 to $4.00; Golden Gate, $2.00 to $4.00; Bride and Bridesmaid, $1.50 to $3.00; carnations, 75c. to $1.50; Roman hyacinths and Paper White narcissus, 50c. to 75c.; poinsettias, $2.00 to $4.00; lily of the valley, 75c. to $1.50 per dozen; violets, $2.00 to $4.00 per 100. Holly, ground pine wreathing and wild smilax sold well and brought good prices.

Something unusual for this city was the shortage of holly. Heretofore, the packers of southern holly have usually made the produce commission houses here the dumping place for whatever stock they had left after the principal orders had been filled, and these commission houses would sell the stock to peddlars at a little above the cost of transportation. No doubt having learned a lesson, these packers did not flood the local market and no peddlars were on the streets, but the florists, with very few exceptions, had not ordered larger quantities, and on the morning of December 24 holly could not be had.

Mrs. C. Rayner, who just before last Easter opened a store on Fourth street, retired from business on Dec. 29; Mrs. C. B. Thompson, for many years on Jefferson street, taking the place.

A. R. B.

CLEVELAND.—The cold Winter weather, without sunshine, is still with us, and as a result flowers of all kinds are bringing holiday prices. The supply is not nearly large enough to go around. The market quotations at this date are: Roses, teas, $5.00 to $12.00; carnations, $3.00 and $6.00; violets, $1.00 and $2.00; narcissus, $3.00; Roman hyacinths, $2.00 and $3.00; lilies, $15.00 and $18.00; smilax, $15.00; adiantum, $1.00 and $1.50 per 100; common ferns, $1.50 per 1,000; galax, $1.00. G. W. S.

INDIANAPOLIS.—Business has eased somewhat since the holidays. Prices, course, are lower in all lines. There is not been much funeral work, and rge decorations are not as numerous last year during December and Janry. Roses are of good quality. Bride d Bridesmaid sell at $6.00 to $10.00 holesale; $1.50 to $2.00 retail. Liberty still high and bring $4.00 to $6.00, retl. The supply of American Beauty is large at present; $3.00 to $12.00 per zen is the common price for them. Vits sell well at $1.50 per 100, wholesale; per bunch of twenty-five, retail. Cartions are plentiful; the best bring $3.00 r 100; 75c. per dozen is the retail price. ite a supply of tulips, narcissus and ffodils is on the market. The latter ll best at 75c. per dozen. Lily of the lley is fine, at 75c. per dozen. I. B.

ST. JOSEPH, MO.—Christmas trade as about 20 to 25 per cent. better than year ago, carnations taking the lead cut flowers, with roses a second. Vits were scarce, and the demand light. ses and carnations were only of fair ality. Holly sold well, about one-third re being used than last Christmas. uch of the holly was of an inferior ade and hard to dispose of. Why will ople spend time and money in gatherg poor holly? Some of it was like so uch brush, and would not sell at any ice. Christmas green was in light deand, very little being used for decorans. Trees were plentiful, but of very or quality, and would not sell at one-rd the price of good, shapely nursery own trees, the latter of which could not had at any price.

A few American Beauty roses brought om $6.00 to $15.00 per dozen.

New Year's trade was about the same one year ago. On account of belated ains much stock did not arrive until in the day, which made it bad for retailer.

Florists are all scrambling for coal, it ing a very scarce article, and prices aring high.

Fred Krumm, after a nine weeks' siege sickness, managed to get out in time look after his Christmas trade.

W. J. Stuppy has returned from Chigo after a week's visit among the owers of that place. E. X.

Chicago.

ristmas Retail Trade.

The retail Christmas sales of cut wers and plants in this city were ger than in any previous year, esially in the residence districts ere some of the best stores are loted.

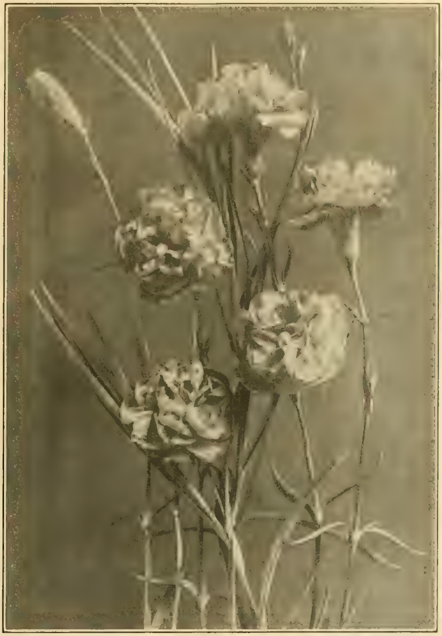
A. Samuelson, W. J. Smythe, P. J. auswirth, O. J. Friedman, Andern, Mangel, Lange, E. Wienhoeber d Wittbold all report an especially sy Christmas, and if it had not been the severe cold weather that preiled business would have been a eat deal heavier. An advance of om 10 to 20 per cent. is the general port. An increased demand for wering plants was experienced. thing in the way of novelties was n in the plant line. Azaleas were fine condition, and some extra nice ants were in evidence. They sold at om $10.00 to $15.00 each. Some wellwered ericas went at from $5.00 to .00 each. More holly plants were en than heretofore, and went fairly ell at from $5.00 to $15.00 each. In e line of berried and fruited plants re ardisias, oranges and Christmas ppers, which were ready sellers at irly remunerative prices. Primulas, lips in pans, crab cactus and Gloire Lorraine begonias were abundant. e consensus of opinion seems to be at the latter plant has not come to y, as it does not give satisfaction a private dwelling house; there do t seem to be any lasting qualities to It is used here mostly for filling skets for dinner table decorations. ere were good sales of made-up rk in the plant line, such as hamrs, baskets, cornucopias and autobiles, with such prices prevailing as uld suit the customer, at from $5.00

n the cut flower line there was an mense business done. The call was iefly for colored flowers. American auty roses were in great demand, th enough on hand to supply the de. They sold at from $5.00 to $25.00 r dozen retail. Liberty were retailed om $3.00 to $10.00 per dozen; Bride d Bridesmaid at the same figures, ile carnations went at from $1.50 to 00 per dozen. Violets were retailed $1.00 per bunch. There was not ch money in these flowers for the tailers as they paid $3.00 per 100 for m.

ws Items.

Trade in general is fairly good. ith colder weather prevailing since Christmas stock has hardened up somewhat. There is an increased cut of carnations, which are not so firm in price. American Beauty roses are arriving in quantity, with the fancy long-stemmed flowers a drug on the market.

The Flower Growers' Company opened their new place on Tuesday, January 6, with nine growers represented. They have not got things in shape yet, but expect to be in proper form by the first of next week. The paper hangers are still at work re-decorating the room. The company will give a reception and ball at their store on January 13 to celebrate the opening. All in the trade and their friends are cordially invited to attend.



HENRY EICHHOLZ'S NEW YELLOW VARIEGATED CARNATION, TIGER.

The trade here was grieved to hear of the fatal shooting of Oscar Kreitling, the West Twelfth street florist, on New Year's afternoon, in his store. The deceased was 38 years old and leaves a widow and two children, a boy and girl, aged respectively 17 and 14. Oscar started in as a boy with Edgar Sanders, for whom he worked for a number of years. He had been located on West Twelfth street for the past 14 years, and was doing a fairly good business. The funeral was held on Sunday, January 4, and was attended by a large concourse of friends and relatives, the trade being fairly well represented.

P. J. Hauswirth has moved from 13 Congress street to 227 Wabash avenue. When it is finished he will have one of the finest retail stores in the city.

C. Dickinson of E. H. Hunt's, has been on the sick list for the past week.

W. W. Barnard & Co. report the loss by fire of their catalogue, which was ready for the press, and in the hands of the Adventist Publishing Company, of Battle Creek, Mich., when that firm's establishment was destroyed by fire on December 30, 1902, resulting in the loss of cuts, plates and copy. At present Barnard & Co. are busy compiling a new catalogue. This means a considerable loss to them in time and money.

Visitor: Mrs. A. H. Bunde, St. Paul, Minn.

ROBERT JOHNSTONE

Philadelphia.

Florists' Club Meeting.

The smoker on Tuesday evening, together with the exhibits of new carnations, brought out a very large attendance, the best seen at the club for some time.

The Club Room Committee was authorized to make arrangements to entertain The American Rose Society during the exhibition here in March. The exhibits of carnations, and the diameter of the flowers staged, were as follows:

From J. D. Thompson Carnation Co., Joliet, Ill.: Nelson Fisher, 3 inches; M. A. Patten, 3 to 3½ inches; Governor Wolcott, 3 inches; Enchantress, 3½ to 4 inches.

From the Chicago Carnation Co., Joliet, Ill.: Marshall Field, 2½ to 3 inches. This is described as a striped Mrs. Bradt; Harlowarden, 2½ to 3 inches; Mrs. Higinbotham, 2½ inches, described as a Daybreak pink.

From S. J. Reuter, Westerly, R. I.: Lillian Pond, 3½ inches.

From Isaac A. Passmore, West Chester, Pa.: Seedling No. 5, a good white, 3 inches.

From Dailledouze Bros., Flatbush, N. Y.: Fragrance, blush pink, 2½ to 3 inches; white Bradt, 3½ inches; No. 111, large white, 4 inches; No. 138, large white, 4½ inches.

From Little South Floral Co., Natick, Mass.: Queen, a good white, 3 inches.

From Robert Craig & Son, Philadelphia: E. A. Nelson, 2½ inches; Adonis, 2½ to 3 inches; President McKinley, light red, and a very promising carnation, 3 inches.

From Wm. Murphy, Cincinnati, O.: Murphy's White, 2½ to 3 inches.

From W. G. Saltford, Poughkeepsie, N. Y.: Fair Harvard, described under artificial light as a violet crimson, 3 inches.

From Henry Eichholz, Waynesboro, Pa.: Tiger, orange scarlet variegated, evidently a good grower, 3 inches.

More elaborate description is not given here, as nearly all of these varieties have been fully described and advertised.

A hearty vote of thanks was tendered those who sent exhibits.

J. D. Thompson being present, was called upon, and made a few remarks. He said, as yet they were young in carnation growing, but he knew full well if eastern growers had the rich fertile soil of the West, the growers in the West would have no chance, as the eastern men had the experience. Enchantress was doing well, and producing rather better than Mrs. Thomas W. Lawson. They grew it in a night temperature of 52 degrees.

Eugene Dailledouze spoke of the keeping qualities of carnations, and in answer to a few questions, said, to keep carnations give them plenty of pure air, and no ice box. A flower grown in good, clear weather should, when cut, keep good 12 to 14 days. His firm cuts the flowers every morning, and ships the next, and has no complaints about the keeping of the stock.

Coal Question.

This matter is quite as serious as last reported. We do not hear of anyone closing up houses around this city, but a low temperature is being maintained wherever possible. Some growers have put on an extra night man, whose duty is to watch the temperature, and immediately he finds a house getting above the limit, to shut off a line or two of pipe. This saves quite a quantity of fuel. The florists who are not located on the Reading Railroad are in the worst shape, and rely on soft coal. The last price heard was $6.25 per ton at the mines. The freight is $1.45; that makes $7.70 on the siding, and, in many cases, a long haul has to be made so that under these conditions, with no advance in prices of plants or flowers, there is absolutely no profit left. In fact, no doubt many are running at a loss. Should a cold spell of very low temperature, lasting seven or eight days come, many growers would suffer losses, as they just obtain sufficient coal to get along with and none to put in reserve.

DAVID RUST.

NASHUA, N. H.—Total Christmas sales in cash showed an increase of 27 per cent. Prices were about 25 per cent. higher than last year. Stock was plentiful enough, and of good quality. There was an increased demand for green goods. Plant sales were about as in former years.

A. GAEDEKE & CO.

LENOX, MASS.—Christmas holiday trade was livelier than in some past years. The call was for roses, carnations, Roman hyacinths and, in pot plants, for adiantum, begonias, etc. Prices were fair.

JOHN O'BRIEN.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 600 LBS. 60c. per cwt. On Cars N. Y. City.

Tobacco Powder THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.

Tobacco Powder THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.

Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it; write Dept. B.

THE H. A. STOOTHOFF COMPANY
TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

PHILADELPHIA WHOLESALE FLOWER MARKET
1228 CHERRY STREET, PHILADELPHIA
Mention the Florists' Exchange when writing.

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Fresh Laurel
Furnished in Large Barrel in any desired form.
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FANCY or DAGGER FERNS . $1 00 per 1000
Galax, bronze or green . . . . . . 1 00 " "
Prince's Pine . . . . $6.00 per 100 lbs.
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Prince's Pine Festooning, all grades. **Pine Wreaths and Laurel Wreaths**, all grades, for Christmas. Be sure to send your order in early and you will get the best to be had.

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GALAX
Bronze or green, $1.00 per 1000; 75c. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100. **Fancy Ferns**, $1 50 per 1000. **Green Sheet Moss**, fresh stock, $2.50 per bbl. sack. **Sphagnum Moss**, $1 50 per bale. **Southern Wild Smilax**, 60 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50.
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I HOPE

you have all had a Merry Christmas. I wish you a Happy New Year, and trust we will meet in Milwaukee as brothers next Summer. But I regret to say that my **Hardy Cut Ferns** are now $1.00 per 1000. We are obliged to raise our prices as the stock is very low. **Sphagnum Moss**, 75c. per bbl. **Laurel Roping**, $5.00 per 100 yds. All orders by mail or dispatch promptly attended to. Cash with all orders.
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A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze and Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1 00 per 100. **Green and Sphagnum Moss**, $1 00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.
We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.
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Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**
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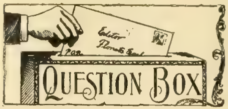

Red Cedar from Cuttings.

(1) I saw an item in your paper on the propagation of junipers from cuttings. Would you let me know whether or not the common red cedar can be propagated from cuttings and at what time of the year; also what kind of cuttings are best? G. A.

—The common red cedar seeds so freely in these parts and the seeds germinate fairly well that all the plants required are raised in that way. I have never known of its being raised from cuttings, but have no doubt whatever that plants could be so raised. Some of the prostrate forms in nurseries are supposed to be varieties of the red cedar, and they root readily from cuttings.

Answering your question, at what time to make the cuttings, do it now, or any time during January—the sooner the better. Use the top (end) shoot of the past season's growth, making the cuttings about four inches in length. You have read the suggestions how to treat cuttings in the article you refer to? JOSEPH MEEHAN.

Acid-Dipped Glass.

(2) What is the meaning of "acid dipped" window glass? Wherein does it differ from ordinary makes? CONSUMER.

—We have inquired of glass dealers in New York City, but are unable to find out anything about the kind of glass you mention. Can you not supply us with further particulars, where you saw the glass offered, the makers, etc.

Starting Cuttings of Chrysanthemums.

(3) What is the best time to start cuttings of chrysanthemums Timothy Eaton, Col. D. Appleton, Mrs. Henry Robinson and Mrs. Jerome Jones? My object is to have the plants come on as late as possible consistent with good flowers. Also when they should be planted on the benches? C. W. G.

—We would not advise taking the cuttings later than the first week in May, and benching them in July, if fairly good flowers are desired.

Vincas and Marguerite Carnations.

(4) Sow seed of the Marguerite carnations now, and of the Vinca about the first of March.

Trouble With Geraniums.

(5) We send an affected geranium leaf. Last Summer the plants in one of our best geranium beds were similarly affected. They stopped growing, and the whole bed was ruined for the season. Now a few leaves on the plants in the cutting bed are beginning to act in the same way. W. & N.

—The trouble with the leaves of the geranium plants is due apparently to the methods employed in watering. Do not let the plants dry out and then water overhead lightly. That is what causes the leaves to turn brown and fall off. Just give the soil a good watering whenever it gets dry, and keep the foliage dry most of the time, then there will be little trouble with leaves withering.

Spiraeas for Easter.

(6) When is the correct time to bring in spiræas for Easter? W. & N.

—Put the spiræas on the bench the first week in February.

Pentas.

(7) The pentas probably need more heat than they are getting. They are stove plants.

Carnations.

(8) What are the best carnations to grow for the retail trade, for profit? I plant about 1200 in white, pink, red and scarlet. I get from 50c. to $1.00 per dozen.

What is the quickest and best remedy for red spider on carnations on side benches? P. N. G.

—There are so many carnations on the market that we cannot single out what is the best kind in its color for general cultivation. Some sorts do well in one locality and do but indifferently in others, so that any advice we might give would be misleading. We think that by reading the published accounts regarding different varieties, and when buying, not relying on just one variety of a color, but trying several, until the best has demonstrated itself, is the safest way to attain the desired object.

To rid the plants of red spider, there is no better method than syringing regularly and with all the force of water at command.

BRIEFS FOR BUSY FLORISTS.

POINSETTIAS.—Plants that have been cut down, and from which it is expected to take cuttings for next season's supply, should be kept on the dry side for a few weeks. They need not take up any valuable space in the meantime; underneath a bench in a warm house will suit them nicely; and if laid on their sides, they will need no further care until such time as the cuttings have to be taken.

PANSIES.—By sowing seed at this time very nice flowering plants can be had by the first of May; and if a moderately cool house is at command the plants require very little care. They must not be grown too warm, however, or they will prove a failure. The seed should be sown in shallow flats, and as soon as the young plants are large enough to handle, transplant them into shallow boxes and keep them at a night temperature of 50 degrees. Fumigate occasionally to keep down the aphis, which soon become very troublesome if fumigating be neglected, or if the house be kept too warm.

PETUNIAS—If special varieties of double petunias have been carried over from last Summer they need to be potted over now to start them growing. By doing this early in the year a good crop of cuttings will be obtained that will make good-sized plants before the bedding out season arrives.

BOSTON FERNS.—This is an opportune time to plant a few of these on a bench, in a good warm house. Use about five inches of good rich soil in which to plant them, and as the runners form and take root, lift them out and pot them. By this means plenty of young stock can be worked up.

CATALOGUES RECEIVED.

J. M. THORBURN & CO., New York.—Trade Price List of Seeds, Bulbs, Supplies, Etc.

THE GREENHOUSE MANUFACTURING CO., Cincinnati, O. Points on Greenhouse Building.

FREDERICK ROEMER, Quedlinburg, Germany. Wholesale Catalogue of Choice German Flower Seeds.

McGREGOR BROS., Springfield, O.—Catalogue of Plants, Seeds, Supplies, Etc. Roses a Specialty. Illustrated.

WILLIAM TOOLE, Baraboo, Wis.—Guide to Pansy Culture, and Catalogue of Premium American Pansy Seeds.

WOOD, STUBBS & CO., Louisville, Ky. Descriptive Catalogue of High-Grade Seeds for Garden and Farm. Illustrated.

TEXAS SEED AND FLORAL COMPANY, Dallas, Tex.—Catalogue of Seeds and Plants for the Southern Planter Illustrated.

WM. ELLIOTT & SONS, New York.—Illustrated Descriptive Catalogue of Flower and Vegetable Seeds, Bulbs Plants, Supplies, Etc., with a list of Novelties and Specialties.

GALAX AND LEUCOTHOE
We are situated in the heart of the finest section known for the above Evergreens.
Galax, Green and Bronze, 45c. per 1000.
Leucothoe Sprays, Green, $1.75 per 1000; Bronze, $2.50 per 1000.
These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.
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Open every Morning at 5 o'clock for the Sale of Cut Flowers
This is not a commission house; the market consists of individual stands
Wall Space for advertising purposes to Rent
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Personal attention given all orders. Specialties: **Bride, Bridemaid, American Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at **6 a. m.** every morning.

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Always Ready to Receive Fine Stock
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Receiver and Shipper of all varieties of Cut Flowers
Telephones: 2200 Madison Square, 2201 Madison Square **57 West 28th Street, NEW YORK**

Wholesale Prices of Cut Flowers, New York, January 9, 1903.
Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	30.00 to 50.00
	" extra	25.00 to 30.00
	" No. 1	15.00 to 20.00
	" Culls & ordinary	6.00 to 10.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	15.00 to 20 00
	" extra	10.00 to 12.00
	" No. 1	6.00 to 8.00
	" No. 2	3.00 to 5.00
	Golden Gate	4.00 to 20.00
	Liberty	10.00 to 25.00
	Meteor	4.00 to 10.00
Adiantum		...... to .75
" Peter Crowe		...... to ......
Asparagus		25.00 to 50.00
Callas		10.00 to 15.00
Cattleyas		20.00 to 50.00
Cypripediums		6.00 to 12.50
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		2.00 to 2.50
	Standard Varieties	White	2.50 to 4.00
		Pink	2.50 to 4.00
		Red	2.50 to 4.00
		Yel. & Var.	2.50 to 4.00
	*Fancy— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4 00 to 5.00
	Novelties		8.00 to 10 00
Lilies			12.00 to 15.00
Lily of the Valley			2.00 to 4.00
Narcissus—Paper White			.50 to 1.50
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
Roman Hyacinths			1.00 to 1.50
Smilax			12.00 to 15.00
Sweet Peas			1.50 to 2.00
Tulips			..... to 2.00
Violets			.35 to .75
" special			1.00 to 1.50

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Wholesale Commission Dealer in **Cut Flowers**
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1612-14-16-18 Ludlow St., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

Boston.

The Week's News.

There is a big sick list among the boys; nearly every store has its quota of employees laid up, and at the market many of the growers are missed. Donald Carmichael, Robert Montgomery and Jim Denny are among this week's additions to the list of those confined to their homes.

Fred. L. Harris, the veteran gardener, who passed his 80th birthday on December 30, took a bad turn Saturday last.

The many friends of William J. Martin, of Milton, will learn with regret of the death of his wife, which occurred on Saturday last after a lingering illness. At the funeral Monday at St. Gregory's Church quite a number of his friends were in attendance. The burial was at Natick.

At the regular meeting of the Massachusetts Horticultural Society on Saturday last the long-looker-for by-laws for the government of the society were presented. This new set was brought in by a compromise committee on which both factions were represented, and its most important change from the present set is the placing of the government of the society in the hands of a board of fifteen trustees. The trustees are to appoint the finance, library and publication, and standing committees. The standing committees except that on gardens is to be reduced from five to three members, and the garden committee from seven to five. The secretary and treasurer are to be elected instead of appointed.

Several committee reports were presented. That of the committee on appropriations shows decided decrease in every department, and will do away with many of the small Saturday exhibitions. The appropriations recommended to be set aside for prizes and gratuities are as follows: Plants, $1,500; flowers, $1,875; fruits, $1,275; vegetables, $900; gardens, greenhouses, etc., $375; native plants, $125. Last year's appropriations in the same departments were: $2,500, $2,000, $1,700, $1,200, $500 and $175 respectively. The committee further recommended the following appropriations: For school gardens, $150; for library work, $525; for committee on arrangements to meet extraordinary expenses, $225; for committee on forestry and road improvements, $110; for committee on lectures and publications, $200. It is expected that the new set of by-laws will be adopted without much opposition. Four new members were elected.

A small exhibition was staged in the exhibition hall and included pots of Primula sinensis, P. stellata and P. obconica; and quite a varied vegetable display.

Dennis J. Murphy and John I. Bolt, doing business as the Murphy Company, at Springfield, have filed a petition in bankruptcy, with liabilities stated at $2,785, and assets, $1,050.

John H. Cox was in town a few days last week. F. J. NORTON.

Providence, R. I.

News Jottings.

John Macrae had the palm decoration of the Central Baptist Church last Sunday.

Schellinger, of Riverside, always manages to produce presentable Lizzie McGowan carnations. He ought to grow more of them.

Macnair entertained his store force to a post-Christmas banquet last week. He believes in recognizing the endeavor spirit of his help around the busy times.

A Miss Farrington is busying herself as a sort of impresario at teas, receptions, etc., among some east siders. She has full charge of the floral decorations at such affairs. Her quotations on stock are sometimes used against the regular florists by their steady customers. C. S. M.

Woonsocket, R. I.

Thomas H. Greene, with greenhouses on Summit street, recently suffered a loss of $200 by a leak which sprung in the hot water pipes in the houses ruining most of his palms and ferns.

VALLEY AND BEAUTIES
LEO NIESSEN, PHILADELPHIA.
Store open from 7 A. M. to 8 P. M. until further notice.
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BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Jan. 7, 1903	Phil'delphia Dec. 30, 1902	Baltimore	Buffalo Jan. 6, 1903	Pittsburg Dec. 29, 1902
	A. BEAUTY, fancy—special	...... to 50.00	...... to	...... to	75.00 to 100.00	80.00 to 120.00
Roses	" extra	...... to 40.00	50.00 to 100.00	...... to	50.00 to 60.00	50.00 to 65.00
	" No. 1	20.00 to 35.00	30.00 to 40.00	...... to	...... to	16.00 to 32.00
	" Culls and Ordinary	8.00 to 10.00	10.00 to 15.00	...... to	...... to	6.00 to 12.00
	Queen of Edgely	12.50 to 50.00	30.00 to 100.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to 20.00	...... to	...... to	15.00 to 20.00	...... to 20.00
	" extra	12.50 to 16.00	15.00 to 25.00	...... to	12.00 to 15.00	12.00 to 15.00
	" No. 1	8.00 to 10.00	10.00 to 12.00	...... to	8.00 to 10.00	6.00 to 10.00
	" No. 2	3.00 to 6.00	6.00 to 8.00	...... to	4.00 to 7.00	3.00 to 5.00
	Golden Gate	...... to	6.00 to 12.00	...... to	4.00 to 15.00	...... to ......
	K. A. Victoria	...... to	6.00 to 12.00	...... to	to ...	...... to ......
	Liberty	6.00 to 25.00	15.00 to 40.00	...... to	8.00 to 20.00	6.00 to 15.00
	Meteor	4.00 to 16.00	8.00 to 12.00	...... to	4.00 to 15.00	4.00 to 10.00
	Perle	...... to	6.00 to 10.00	...... to	6.00 to 8.00	4.00 to 10.00
	ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
	Cypripediums	...... to 12.50	...... to 15.00	...... to	12.50 to 15.00	...... to ......
Carnations	Inferior grades, all colors	1.50 to 2.00	...... to	...... to	1.00 to 1.50	1.50 to 2.00
	STANDARD VARIETIES White	2.50 to 3.00	1.50 to 2.00	...... to	2.00 to 3.00	2.50 to 3.00
	Pink	2.50 to 3.00	1.50 to 2.00	...... to	2.00 to 3.00	2.50 to 3.00
	Red	2.50 to 3.00	1.50 to 2.00	...... to	2.00 to 3.00	2.50 to 3.00
	Yellow and var.	2.50 to 3.00	1.50 to 2.00	...... to	2.00 to 3.00	2.50 to 3.00
	*FANCY (*The highest grades of standard var) White	3.00 to 3.50	4.00 to 5.00	...... to	3.00 to 5.00	4.00 to 5.00
	Pink	3.00 to 3.50	4.00 to 5.00	...... to	3.00 to 5.00	4.00 to 5.00
	Red	3.00 to 3.50	4.00 to 5.00	...... to	3.00 to 5.00	4.00 to 5.00
	Yellow and var.	3.00 to 3.50	4.00 to 5.00	...... to	3.00 to 5.00	4.00 to 5.00
	NOVELTIES	4.00 to 5.00	...... to	...... to	6.00 to 8.00	...... to ......
	ADIANTUM	... to 1.00	...... to 1.00	...... to	.75 to 1.25	1.00 to 1.25
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	...... to	10.00 to 50.00	20.00 to 50.00
	CALLAS	10.00 to 12.50	...... to	...... to	10.00 to 15.00	...... to ......
	CHRYSANTHEMUMS—Ordinary	...... to	...... to	...... to	...... to	...... to ......
	" Fancy	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	...... to	1.50 to 2.00	...... to	.75 to 1.00	1.00 to 1.50
	GALAX LEAVES	...... to	...... to .10	...... to	.10 to .15	...... to ......
	HYACINTHS	...... to 2.00	...... to	...... to	3.00 to 4.00	1.00 to 3.00
	LILIES	10.00 to 12.50	...... to	...... to	...... to 15.00	15.00 to 25.00
	LILY OF THE VALLEY	2.00 to 5.00	4.00 to 5.00	...... to	3.00 to 4.00	3.00 to 5.00
	MIGNONETTE—Ordinary	3.00 to 4.00	3.00 to 4.00	...... to	2.00 to 3.00	2.00 to 4.00
	" Fancy	...... to 6.00	...... to	...... to	4.00 to 6.00	...... to ......
	NARCISSUS	1.50 to 4.00	3.00 to 4.00	...... to	3.00 to 4.00	2.00 to 3.00
	SMILAX	12.50 to 16.00	...... to 15.00	...... to	...... to 15.00	12.00 to 15.00
	STEVIA	...... to 2.50	...... to	...... to	.75 to 1.00	...... to ......
	SWEET PEAS	...... to	1.00 to 2.00	...... to	1.00 to 2.00	2.00 to 3.00
	TULIPS	.75 to 1.00	...... to	...... to	3.00 to 4.00	...... to ......
	VIOLETS	...... to	1.50 to 2.00	...... to	1.00 to 2.00	1.00 to 2.50

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Carnots
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Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

Buffalo.

News Notes.

No real complaint is heard regarding the recent Christmas trade. Everyone seemed to be in for a respectable share, to pleasing results over past years.

Among decorating orders recently done, Wm. Scott handled something especially fine on the 24th ulto., one of the largest of our new old-style chateau mansions being given into his hands for embellishment for a colonial costume dance.

On the 26th, Palmer & Son decorated for the annual ball given by the Buffalo Club, being the affair of the season locally considered. Under Arthur Beyer's handling of plans and details a pleasing success resulted.

Byrnes & Slattery is the name of a new florist firm at 672 Main street, to open January 7. The former gentleman is local to this city, and the latter has been with Thorley, of New York, for a period of years. VIDI.

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Your paper is all right and I think well of it. L. M. NOE.
New Jersey.

Cincinnati.

Carnation Matters.

Now that the holidays are over we hear some talk of the coming Carnation Society meeting in Brooklyn. It looks as if only two will be in attendance from Cincinnati.

There is a movement on foot that bids fair to make the carnation the national flower without the formality of legislation. Lewis G. Reynolds, of Dayton, O., is the prime mover. The object is to form a Carnation League of America to perpetuate the memory of President William McKinley, and the principles he promulgated. Mr. Reynolds, in an interview, announced that the projectors of the league hoped to be able to make a general promulgation of its object on January 29, the anniversary of Mr. McKinley's birth. The league will be a permanent organization. No fees will be asked. Funds for its preliminary establishment have been provided. The location of the headquarters has not yet been decided upon. Women will be enrolled as well as men, and everybody will be asked to wear a carnation on January 29. Absolutely no taint of commercialism attaches to the Carnation League. It will have no political features, but is for the people of this great nation. The movement is indorsed by Senator Hanna, Judge William R. Day, Hon. Myron T. Herrick and Hon. Ryerson Ritchie, all members of the McKinley National Memorial Association.

This league will undoubtedly do what the committee was appointed to try and do at the meeting of the American Carnation Society, held in Indianapolis last February. E. G. GILLETT.

Cleveland.

Club Banquet.

The annual banquet of the Cleveland Florists' Club was held in the club rooms on the evening of January 5. About fifty people participated. This annual affair has gained such large proportions that it is eagerly looked forward to by the members. The one just past proved to be the largest as regards attendance and good time. Everywhere happiness and good fellowship reigned supreme. The club's effort in bringing the craft more closely together is being realized beyond all expectations, and will prove beneficial to all of us.

Adam Graham, Sr., our ex-president, was elected toastmaster. Wit and humor were in full supply, and aided by the tonics and cigars made one of the most enjoyable nights spent in a long time. The balance of the evening was devoted to bowling and other games. President Gordon Gray was detained at home through some unavoidable happening, this being his first absence since joining the club.

All the members should be present at the next meeting, Monday, January 12, as the coal question will come up for discussion.

News Notes.

A. Deouble, who leased the old Livingston place in the east end, is reported very sick and in the absence of a night fireman the establishment was partially frozen, some plants being a total loss. One of his horses died the past week and no doubt ill luck has been with him for some time.

Mr. George, Jr., of the Storrs & Harrison Company, of Painesville, Ohio, has been visiting among the growers the past few days.

Business is still booming in the cut flower trade; funeral flowers are much in demand. G. W. S.

Pittsburg.

Club Notes.

The January meeting of the Florists' Club, held on the evening of the 6th, was not so well attended as usual; the bad weather kept the boys at home. A list of delinquent members was taken up and some names dropped from the roll; others will get 30 days' notice to settle up or be dropped likewise. Quite a number of members are back in their payments, and as the club needs money for some bills on hand, it should be forthcoming. The nomination of officers for the year resulted as follows: President, Wm. Falconer; vice-president, E. C. Reineman; secretary, H. P. Joslin; assistant secretary, E. C. Ludwig; treasurer, F. Burki; executive committee, P. S. Randolph, John Bader and F. Burki. A short talk on ferns was indulged in by the members. The president appointed E. C. Reineman and T. P. Langhans as an auditing committee. Roses will be the topic at the February meeting.

J. B. Murdoch & Brother are cutting fine roses from their new plant in Washington County.

H. H. Negley expects to start on a trip to the Mediterranean ere long. E. C. REINEMAN.

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	Names and Varieties	Chicago Jan. 6, '03	St. Louis Dec. 29, '02	Cincinnati Jan. 6, '03	Milwaukee Dec. 28, '02	Detroit Jan. 6, '03
	A. BEAUTY, fancy—special	40.00 to 60.00	..... to 75.00	..... to 50.00	50.00 to 80.00	..... to 35.00
	" extra	32.00 to 40.00	50.00 to 65.00	..... to 25.00	25.00 to 35.00	..... to .....
	" No. 1	24.00 to 32.00	25.00 to 45.00	10.00 to 15.00	12.50 to 15.00	..... to .....
	" Culls and Ordinary	10.00 to 12.00	10.00 to 20.00	6.00 to 8.00	8.00 to 10.00	..... to 8.00
	Queen of Edgely	.... to	..... to	..... to	..... to	..... to .....
Roses	Bride, 'Maid, fancy special	12.00 to 15.00	..... to 10.00	..... to 10.00	..... to 15.00	.... to 10.00
	" extra	10.00 to 12.00	..... to 8.00	..... to 8.00	..... to 12.00	..... to ....
	" No. 1	8.00 to 10.00	5.00 to 6.00	..... to 6.00	..... to 8.00	..... to ..
	" No. 2	6.00 to 8.00	3.00 to 4.00	..... to	..... to 4.00	..... to 4.00
	Golden Gate	6.00 to 12.00	6.00 to 8.00	..... to	8.00 to 15.00	4.00 to 8.00
	K. A. Victoria	..... to	..... to ..	..... to	8.00 to 12.00	..... to .....
	Liberty	8.00 to 20.00	5.00 to 10.00	..... to	15.00 to 18.00	... to ...
	Meteor	4.00 to 10.00	5.00 to 8.00	4.00 to 8.00	12.00 to 15.00	4.00 to 8.00
	Perle	6.00 to 15.00	4.00 to 6.00	4.00 to 6.00	8.00 to 10.00	4.00 to 8.00
	ORCHIDS—Cattleyas	50.00 to 75.00	..... to	..... to 60.00	..... to ...	.... to 50.00
	Cypripediums	..... to	..... to	..... to 25.00	.. to	to 25.00
Carnations	Inferior grades, all colors	1.50 to 2.00	1.00 to 2.00	..... to 2.00	..... to 3.00	1.50 to 2.00
	STANDARD VARIETIES White	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	.... to 3.00	2.00 to 3.00
	Pink	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	.... to 3.00	2.00 to 3.00
	Red	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	.. to 3.00	2.00 to 3.00
	Yellow and Var.	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	... to ...	..... to .....
	*FANCY (*The highest grades of standard var) White	3.00 to 4.00	..... to 5.00	4.00 to 5.00	4.00 to 6.00	3.00 to 4.00
	Pink	3.00 to 4.00	..... to 5.00	4.00 to 5.00	4.00 to 6.00	3.00 to 4.00
	Red	3.00 to 4.00	..... to 5.00	4.00 to 5.00	4.00 to 6.00	3.00 to 4.00
	Yellow and Var.	3.00 to 4.00	..... to 5.00	4.00 to 5.00	4.00 to 6.00	3.00 to 4.00
	NOVELTIES	6.00 to 8.00	..... to	..... to	..... to ..	..... to ...
	ADIANTUM	.75 to 1.00	..... to 1.00	..... to 1.50	.... to 1.00	.... to 1.50
	ASPARAGUS	20.00 to 60.00	10.00 to 30.00	.. to 60.00	.... to	10.00 to 75.00
	CALLAS	15.00 to 20.00	12.50 to 15.00	10.00 to 15.00	..... to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS—Ordinary	..... to	..... to	..... to	..... to	..... to .....
	" Fancy	... to	.... to	..... to ...	..... to	..... to .....
	DAISIES	1.50 to 2.00	..... to	..... to ...	..... to .15	..... to .....
	GALAX LEAVES	.... to .15	... to .15	..... to ..	..... to	..... to .10
	HYACINTHS	2.00 to 4.00	3.00 to 4.00	.... to 3.00	..... to	3.00 to 4.00
	LILIES	15.00 to 20.00	..... to ...	15.00 to 20.00	..... to	12.00 to 16.50
	LILY OF THE VALLEY	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00	..... to	4.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	.... to 5.00	..... to	..... to	..... to 4.00
	" Fancy	6.00 to 8.00	..... to 6.00	..... to	..... to	..... to 5.00
	NARCISSUS	2.00 to 4.00	..... to 3.00	..... to 3.00	..... to	3.00 to 4.00
	SMILAX	..... to 15.00	..... to 15.00	..... to 15.00	... to 18.00	12.50 to 15.00
	STEVIA	1.00 to 1.50	1.00 to 1.50	.... to	.... to	1.00 to 2.00
	SWEET PEAS	..... to 1.50	..... to	..... to	.... to 3.00	..... to 1.00
	TULIPS	6.00 to 8.00	..... to	.... to 6.00	..... to	..... to .....
	VIOLETS	.75 to 2.00	..... to 1.00	1.00 to 2.00	1.50 to 2.50	1.00 to 2.00

Indianapolis, Ind.

News Notes.

New Year's business was about equal to that of last year, but it is observed New Year's is gradually falling back as a flower day, probably due to the fact that calling has been declared out of date. Violets, lily of the valley and American Beauty roses were the flowers mostly bought. The retail prices were silghtly lower than at Christmas, but the wholesale figures remained the same. Taking the holiday season for 1902 as a whole, Indianapolis florists may say that it was a prosperous one.

The monthly meeting and annual election of officers of the Florists' Association of Indiana takes place at the Commercial Club rooms, Monday afternoon and evening, January 12. Supper will be served to all members in the club dining-room. There are several important matters to be brought before the meeting, and all are urged to be present.

Several brother florists are nursing sore arms, due to vaccination, and it will be hard work to fight thrips, red spider and mildew single handed.

There were from twelve to fourteen thousand violets cut in Indianapolis during the holidays. This number was not sufficient to meet the demand.

I. B.

Flower Market for Indianapolis.

Indianapolis is to have a flower market of pretensions if the plans of the Board of Public Works are carried out. The plans call for the inclosure of the fifty-foot street between Tomlinson Hall and the meat market with a structure of stone, steel and brick and converting this street into a mammoth flower market. The flower stands are now scattered. It is believed that the creation of the special flower market will add to the city a desirable institution.

The plans also provide for the construction of a building of stone, steel and brick over the entire area east of the meat market. The plan of this admits of the addition of 240 stalls in the space that is now open. It is also the purpose to discourage the use of the streets for vendors and the ordinance requiring them to detach horses from their vehicles is believed to be the leverage that will move them all into the new building.

Saddle River, N. J.

J. G. & A. Esler have had several rushes during the past few weeks which not only cleaned them out of flowers entirely, but sent them out among the neighboring florists as buyers. On one occasion the death of a prominent lay reader in the Episcopal Church was the cause of an extra demand; and, last Sunday, the funeral of a leading member of the Order of Red Men gave them a busy day.

While the Bergen County florists on the line of the Erie have not yet been out of coal, still it is not plentiful. The supply is doled out in ton and half ton lots, with a fair chance that this method of supply will continue throughout the Winter. E.

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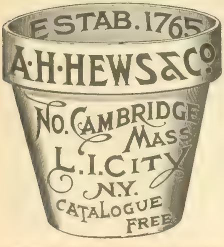

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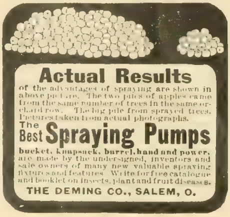

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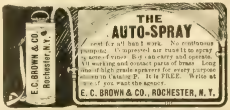
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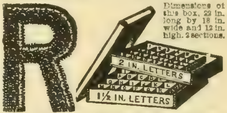

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1000	3 " "	5 00	48	10 " "	4 80
800	3½ " "	5.80	24	11 " "	3 60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4 51	12	14 " "	4 80
144	6 " "	3.16	6	16 " "	4 50

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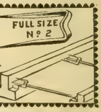

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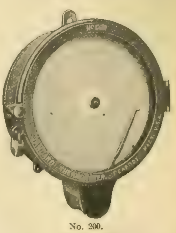

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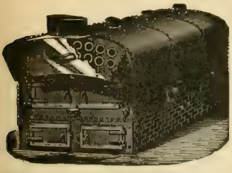

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J. A. Budlong and son, of Providence, R. I., the well-known gardeners and florists, were in town last week and visitors at the greenhouses of A. N. Pierson.

The grafting beds have been started, and the work of supplying the annual heavy demand for rose stock is well under way. The output will be a little larger this year than last. Manetti is being received in very good condition this year and promises to produce healthy plants. This is being rapidly potted in preparation for grafting.

In consequence of the great popularity achieved by the Mrs. Lawson carnation a year ago and the consequent heavy demand for plants last Summer, many growers feared an over-production this season and a fall in price. This has not been the case. While it is undoubtedly true that many more are being grown this Winter than last, this has so far had no effect on prices. The demand has kept pace with the production. The variety is more popular to-day than ever before.

H.

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Mrs. Laura Cheney has secured a patent for a waterproof holder for flower pots. The holder consists of a strip of waterproof material, which surrounds the pot and is buttoned or strapped together, and a waterproof bottom of the same material. The whole can be taken to pieces for packing, and a great number of covers can be made to occupy a small space. The cover may be decorated or it may be covered, at the fancy of the purchaser, with bright tissue paper, silk or any of the pretty materials that women use for the purpose.

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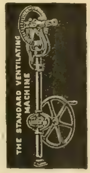

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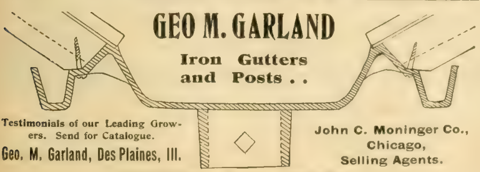

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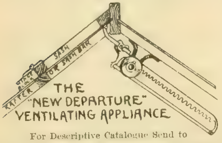

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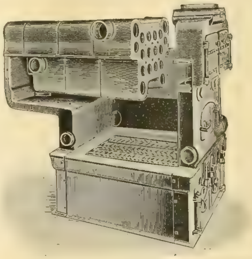

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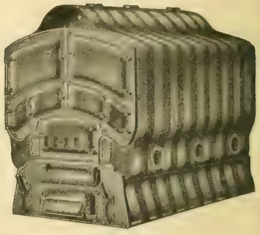

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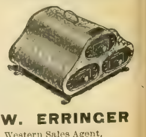

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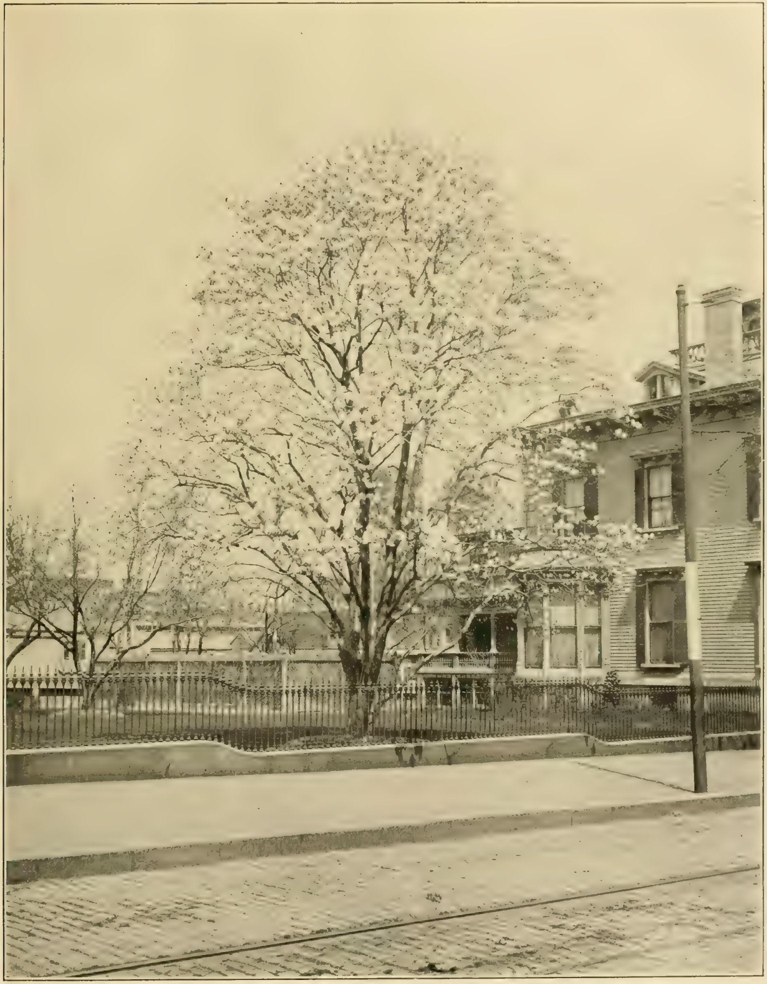

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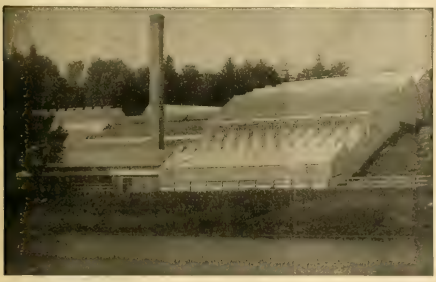

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VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown, for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown, $5.00 per doz. **WISTERIA SINENSIS,** pot grown, for forcing, $7.50 per doz. **AMYGDALUS,** double, white and pink, $5.00 per doz. **JAPAN FERN BALLS,** dormant, selected, large balls, $3.50 per doz.; $27.50 per 100.

ROSES Per 100, $10.00, per 1000, $90.00. Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00, 2d, $12.00, 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz., $35.00 per 100.

LILAC (French)

This has been especially grown for forcing, having been disbudded. The flowers can be cut with stems, 3 ft. long. Extra strong bushes, $10.00 per doz.; $75.00 per 100.

FOR FORCING.

Pot grown, $6 a doz.; $45 a 100. **Chas. X, Marie Legraye, Mme. Lemoine.**

CLEMATIS, large flowering, finest varieties Jackmanii, Henryi, Duchess of Edinburgh, etc., two year old, field grown, $3.00 per doz.; $20.00 per 100. [illegible] old, field grown, [illegible] $4.00 per doz.; $[illegible] per 100.

GLADIOLUS, Colvillei alba The Bride, pure white, 50c. per 100, $4.50 per 1000. **Colvillei rubra,** 50c. per 100, $4.50 per 1000.

BEGONIA, Tuberous Rooted. Single, separate [illegible] rose, white [illegible], $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100, $22.00 per 1000. Double colors separate [illegible], $4.50 per 100, $40.00 per 1000. [illegible] $4.00 per 100, $35.00 per 1000.

DIELYTRA Spectabilis Bleeding Heart, extra strong clumps, for forcing. Per 100, $[illegible], per 1000, $45.00.

		100	1000
SPIRÆA	Japonica	$4.00	$35.00
"	Compacta	4.[illegible]	40.00
"	Astilboides	5.00	45.[illegible]
"	Gladstone	8.00	

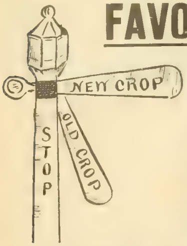
[illegible]N LILIES. See Wholesale Catalogue.

We are pleased at all times to rece[illegible]itors at our Nurseries. We have 60 acres planted with the most im[illegible] stock in the country.

ASK FOR SPRING CATALO[illegible]

BOBBINK & ATKINS, Rutherford, N. J.

AMHERST Mass



FAVORABLE SIGNALS

Indicate to Go Ahead and Plant Now.

MONT BLANC SWEET PEA the finest white for forcing; ¼ lb., 30 cts.

GLOXINIA GRANDIFLORA, New Large Flowering. Upright Variety. COMPACTA ERECTA, Half Trade Pkt., 50 cts.

LOBELIA TRUE CRYSTAL PALACE. Trade Pkt., 25 cts.

VERBENA NEW MAMMOTH MIXED. Excellent Colors, from Named Varieties. Trade Pkt., 25 cts.

CENTAUREA SILVERY LEAVED GYMNOCARPA. Trade Pkt., 25 cts.

W. ELLIOTT & SONS, NEW YORK.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR GLADIOLI

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock of Gladiolus in the world."

We List Over 200 Named Kinds.

		100	1000
POPULAR	Mixed	$0.80	$7.00
ALL COLORS	"	1.00	9.00
CHILDSI	"	1.75	15.00
LEMOINE'S	"	1.50	10.00
WHITE AND LIGHT	"	1.50	12.00

		100	1000
SCARLET AND RED	Mixed	$1.00	$7 00
PINK	"	1.25	10.00
BRENCHLEYENSIS		.75	6.00
CERES		1.00	8.00
LA MARCK		3.00	15.00

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Special discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS, Floral Park, New York

Mention the Florists' Exchange when writing.

New Crop Florist Flower Seed

PETUNIA, large-flowering, finest mixed, trade pkt., 50 cts.
SALVIA SPLENDENS, oz., $1.50; trade pkt., 25 cts.
SALVIA BONFIRE, oz., $2.50; trade pkt., 25 cts.
VEBENA, Mammoth, mixed, oz., $1.50; trade pkt., 25 cts.
SWEET PEAS, Blanche Ferry, Emily Henderson, Countess of Radnor, Dark Lavender, per lb., 35 cts.

STUMPP & WALTER CO., 50 Barclay St., NEW YORK. Branch Store, 404 East 34th Street.

CINERARIAS from Benary's, Cannell's and Sutton's Prize Show Flowers saved, Giant Flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter, 2½ inch, $2.50 per 100. Cash.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

Mention the Florists' Exchange when writing.

HARDY ROSES, ETC.

FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

Mention the Florists' Exchange when writing.

EXTRA CHOICE **FLOWER SEEDS**

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower

Quedlinburg, Germany

Mention the Florists' Exchange when writing.

Long Island Growers.

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop. . .

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

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Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Our Catalogue for 1903 is now ready and will be mailed free on application We handle only the very highest class seeds, making a specialty of choice flower seeds for florists, and selected vegetable seeds for market gardeners. For nurserymen we have a very full line of native and foreign tree and shrub seeds and full lines of hybrid French Gladioli, Japan Lilies and Irises, etc. Our general descriptive catalogue, the handsomest, most complete and most reliable published, will also be mailed free to parties interested.

J. M. THORBURN & CO.

36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

The Burpee Quality in Seeds

Best that can be Grown! The new "Silent Salesman" of the largest mail-order seed trade in the world will be sent with 184 pages of useful information and hundreds of true illustrations,—if you mail a postal to

W. Atlee Burpee & Co., Seed Farmers, Philadelphia

Blue List of Wholesale Prices mailed only to those who plant for profit.

NEW CROP FLOWER SEEDS

A Discount of 10% for Cash with order from this list on orders amounting to $2.00 or over.

OUR FLOWER SEEDS are of the grade known as "Florist Flower Seeds." That means that they are of last season's growth. They are selected for florists who depend on the results as a business, and our customers will find them trustworthy.

☞PLEASE NOTE.—Trade packets contain considerable more seed than ordinary or retail packets, being based on Florists' needs for ordinary purposes. Florists invariably get Trade packets unless otherwise specified.

	Trade pkt.	Oz.
AGERATUM Mexicanum, blue	$0 05	$0 15
Mexicanum Album, white	05	15
Imperial Dwarf, blue	10	25
" " white	10	25
ALYSSUM Maritimum, Sweet Alyssum, lb., $1.25	05	15
Benthami Compactum, dwarf, lb., 2.25	10	20
Little Gem, extra fine strain, lb., 2.50	10	25
ASTER, Branching, pink, lavender and purple, each	10	85
White	10	60
Rose	10	75
Red	10	1 00
Mixed	10	50

Queen of the Market, white, pink, light blue, scarlet, dark blue and mixed, each, per oz., 50 cts.; ¼ oz., 20 cts.; trade pkt., 10 cts.

BELLIS, or DOUBLE DAISY—

Vaughan's Mammoth, Mixed. Trade pkt., 25 cts.; 1-16 oz , 40 cts.

Mammoth Daisy, White. Trade pkt., 25 cts.; 1-16 oz., 50 cts.

New Mammoth Daisy, Pink. Trade pkt., 25 cts.

Daisy (Bellis Perennis fl. pl.), double, extra mixed, trade pkt., 15 cts.; ⅛ oz., 40 cts.; oz., $2.50.

"Longfellow," dark pink, trade pkt., 20 cts.; ⅛ oz., 35 cts.; oz., $2.50.

"Snowball," double white, trade pkt., 20 cts.; ⅛ oz., 35 cts.; oz., $2.50.

	Trade pkt.	Oz.
CANDYTUFT, New Giant Hyacinth-flowered (superior to Empress)	$0 10	$0 30
CENTAUREA Candidissima (Dusty Miller), 1000 seeds	25	1 50
Gymnocarpa	10	40
Imperialis, mixed	10	50
" Alba, pure white (better than C. Margaret)	10	60
LOBELIA, Crystal Palace Compacta, ⅛ oz., 25 cts	15	1 25
Speciosa, dark flowers and foliage; for hanging baskets ¼ oz., 25 cts.	10	75
Erinus, Emperor William, dwarf, ¼ oz. 25c.	10	1 00
Bedding Queen ¼ oz., 50 cts.	25	
MIGNONETTE, Bismarck (an improved Machet)	20	1 50
Giant Machet, select	10	50
PANSY, Vaughan's International Mixture ⅛ oz., $1.50	50	10 00
Vaughan's Giant Mixture ⅛ oz., 60 cts.	25	4 00
SMILAX, new crop ¼ lb., 75 cts.	10	30
STOCKS, large flowering, ten weeks, white, rose, purple, light blue, crimson, blood red, and extra choice mixed ⅛ oz., 40 cts.	25	
VERBENA, Vaughan's Best Mixture (none better) ¼ oz., 40 cts.	25	2 00
Extra choice mixed ¼ oz., 25 cts.	10	1 00
Mammoth, mixed ¼ oz., 25 cts.	15	1 00
" white, rose, scarlet, purple, Trade pkt., 25 cts.		

Send for Preliminary Flower Seed List, Now Ready.

84 and 86 Randolph St.,
CHICAGO.

VAUGHAN'S SEED STORE

14 Barclay St.
NEW YORK

Mention the Florists' Exchange when writing.

BEGONIA AND GLOXINIA BULBS

We have just received an exceptionally fine stock of **BEGONIAS** and **GLOXINIAS** from a specialist in Belgium whose bulbs, both in quality and size, have given our customers the most excellent satisfaction.

BEGONIAS—TUBEROUS ROOTED, 1¼, 1½ inches in diameter.

	Doz	100	1000
SINGLE, CHOICE MIXED, all colors	$0 35	$2 50	$24 00
SINGLE, SEPARATE COLORS, crimson, scarlet, pink, yellow, rose and white	40	2 75	25 00
DOUBLE, CHOICE MIXED, all colors	50	4 00	
DOUBLE, SEPARATE COLORS, white, pink, crimson, scarlet and yellow	65	5 00	

GLOXINIA HYBRIDA CRASSIFOLIA ERECTA.

	Doz	100
SPLENDID MIXED, 1¼-1½ inches in diameter	$0 50	$4 00
" " 1½-2 " "	65	5 00
" " 1 inch and over in diameter	40	3 00

SPECIAL OFFER—NARCISSUS.

	1000	Reg. Price
2000 DOUBLE VON SION, fine bulbs	$6 00	$17 00
3000 PAPER WHITE NARCISSUS, 13 centimeters and over	6 00	9 00

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

HELLER'S
MICE
PROOF
SEED
CASES.

Send for Prices

HELLER & CO.

MONTCLAIR, N. J.

Mention the Florists' Exchange when writing.

PRIMROSES

Improved Chinese. Well known as the finest grown; single and double; strong 3 in., in bud and bloom, $3.00 per 100.

GERANIUMS Finest up-to-date, named varieties, strong, 2 in., $2.50 per 100.

IRISH SHAMROCK Strong plants, $4.00 per 100; or 60 cts. per doz., by mail.

XXX SEEDS

Verbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.

Cineraria. Finest large flowering dwarf. 1000 seeds, 50c.

Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50c.

Phlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.

Alyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.

Chinese Primrose. Finest large-flowering fringed varieties, mixed; single and double. 500 seeds, $1.00; half pkt. 50c.

Pansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00; half pkt., 50c.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

HIGH GRADE SEEDS.

J. A. PETERSON, Cincinnati, Ohio, one of our foremost florists, says: "From 2½ ozs. Aster Queen of the Market and Peony Perfection we marketed sixty thousand salable blooms."

J. A. NEWBY, Logansport, Ind., says: "Your Aster Queen of the Market bloomed here from July 1st until frost and was the best strain I ever had."

We have that same strain to offer this season, guaranteed true to name and of germinating quality, separate colors, ¼ oz., 20c.; oz, 50c.

For full line of Florists' Flower Seeds see our new list.

WALTER MOTT SEED & BULB CO.
JAMESTOWN, N. Y.

EASTER, 1903

As Long as Stock On Hand Lasts, I Offer to the Trade:

	Per 100	Per 1000
Dutch Hyacinths, extra fine, to name	$3.00	$25.00
Tulips, Murillo, large bulbs	1.75	16.00
Tournesol, red yellow	.80	7.50
Duchess de Parma	.50	4.50
Rosegrisdelin	1.00	7.50
Mixed, separate colors	.40	3.50
Narcissus, Von Sion, mammoth bulbs	1.25	10.00

	Per 100
Spiræa Japonica, heavy clumps	$3.00
Compacta Multiflora, heavy clumps	3.50
Floribunda, heavy clumps	4.00
Lilacs, best forcing varieties, well-budded	45.00

	Per 100
Azalea Mollis, extra fine, well-budded	$40.00
Pontica, extra fine, well-budded	45.00
Japanese Cherries, shrubs, pot-grown, for forcing	60.00
Pyramids, pot-grown, for forcing	70.00
Roses, Crimson Rambler, own-roots and grafted	15.00
Hermosa, La France and all H. P. varieties	10.00
Clematis Jackmanni, extra heavy	30.00
Deutzia Lemoinei, well-shaped	15.00

Box Trees, Pyramids, 4 feet high, extra fine, $5.00 per pair.

Standard, well-shaped. $5.00 per pair.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

102,400 two, three and four years old. Largest stock in the country.
Prices on Application.

TOBACCO STEMS

Good as can be bought. Fresh from the factory, here in Elizabeth.
70 cents per 100 lbs.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

PETUNIA

Ruffled Giants

(SINGLE)

Trade pkt., 50c.; 1-32 oz., $1.00.

D. LANDRETH & SONS
FLORIST DEPARTMENT
1217 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

EASTER PLANTS

WHICH WILL FLOWER WITH LITTLE HEAT.

	Each	Doz.
Japan Multigrafted Maple, a bouquet of various colored foliage, red, yellow, green variegated, grafted on one stem	$0.50	$5.00
Grafted on two twisted stems, figure 8	.60	6.00
Japan Herbaceous Peonies, beautiful novelties, single, semi-double and double, in all colors; strong roots; pictures of 28 sorts for selection to reliable parties,	.35	3.50
Dielytra Spectabilis (Bleeding Heart)	.75	5.00

JAPAN FERNBALLS.

Long-leaved, fine stock, 7-9 inch	.30	3.00
Monsters, 9-11 inch	.50	5 00

FERN DESIGNS.

Monkeys, with natural China face. Each, $1.00; dozen, $10 00.

Monkey with drum or in swing. Each, 85c.; dozen. $9.00.

Log cabin, very fine. Each, 85c.; doz., $9.00.

Many other designs. Send for list.

BULBS.

	Doz.	100.
Tuberous Rooted Begonias, single red, rose, white, yellow, in separate colors, large bulbs	$0.40	$2.50
Double Tuberous Begonias, separate colors	.75	5.00
Gloxinias, in separate white, blue, red, tigered	.60	4.00
Gloxinias, mixed	.45	3.00
Gladioli, best white and light for forcing 1000, $12.00	.25	1.50
Gladioli "May," florists' favorite,	1.40	10.00

Caladium, Fancy-Leaved, all **NEW** named sorts. Do **NOT** grow any mixed stuff; it does not pay.

SEND FOR NEW LIST OF CANNA, CALADIUM AND OTHER BULBS.

Calla Ricardia Maculata, Spotted-Leaved Calla	.40	2.50

SEEDS.

	100	1000
Asparagus Plumosus Nanus (**TRUE**). ready end of month	$0.85	$7.00
Asparagus Sprengeri, fresh crop,	0.25	1.50

Cryptomeria Japonica (Finer than Araucaria Excelsa), pkt., 15 cts.

Smilax seed, oz., 30 cts.; lb., $3.00.

Flower Seeds for Present Sowing.

Asters in all sorts, **Candytuft, Centaurea, Daisy,** etc.

Pansy. "**BERGER'S NEVER FAIL MIXTURE**" contains the very best of French, German and Scotch pansy specialists. Tr. pkt., 25c.; oz., $3.00.

Fern Spores, in choicest mixture. Tr. pkt., 25 cts.

Petunia, California Giants. Tr. pkt., 25 cts. California Ruffled Giants, 500 seeds, 50 cts. Double fringed, 100 seeds, 20 cts; 1000, $1.50.

STOCKS, Large-Flowering German, Ten-weeks, in pure white, rose, crimson, purple, light blue. Tr. pkt., 25 cts.

Sweet Pea, California, 1902 crop, Emily Henderson B. Burpee, Blanche Ferry, Countess of Radnor, Her Majesty, etc., 30 cts a lb. Best hybrids, mixed, at 25 cts. lb.; 5 lbs., $1 00 All other sorts.

Verbena, mammoth white, rose, scarlet Tr pkt., 25 cts

SHASTA DAISY, the Coming Florists' Cut Flower. 100 seeds 25 cts.; 1000, $2.00.

ADDRESS

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

SUMMER-FLOWERING

BULBS

BEGONIA

Tuberous Rooted

	Doz	100	1000
Single, Separate 6 colors,	$0 40	$2 75	$24 00
Single choicest mixed	35	2 40	22 00
Double, Separate, 5 colors	65	5 00	40 00
Double, choicest mixed	50	4 00	35 00

GLOXINIAS

"Extra Large Bulbs"

	Doz.	100	1000
Erecta Crassifolia, named, Separate cols.	$0 65	$4 50	$37 50
Choicest mixed	50	4 00	35 00

GLADIOLUS

Early Forcing Sorts

	Doz.	100	1000
May White, Crimson Markings	$0 35	$2 00	$17 50
Groff's New Hybrids	40	2 75	25 00

TUBEROSES

	Doz.	100	1000
Excelsior Double Pearl, Extra Large	$0 20	$1 10	$9 00
First Size Bulbs	15	60	5 00

CALADIUM ESCULENTUM

	Doz.	100	1000
Extra Large Bulbs	$1 30	$10 00	$95 00
First Size Bulbs	1 00	7 50	70 00
Second Size Bulbs	75	5 00	47 50
Third Size Bulbs	40	3 00	27 50

FRENCH CANNAS

Mammoth Size Bulbs Largest we have ever sent out

	Doz.	100	1000
Alphonse Bouvier	$0 45	$3 00	$25 00
Austria	50	4 00	35 00
Chas Henderson	50	3 50	32 50
Queen Charlotte	50	3 50	32 50
Florence Vaughan	50	3 50	30 00
Italia	50	3 50	30 00
Mad. Crozy	50	3 50	30 00
Finest Mixed Sorts	40	2 50	22 50

For full list of **CANNAS, GLADIOLUS** and other **BULBS** see our Wholesale Catalogue.

NEW CROP FLOWER SEEDS NOW READY.
Send in your orders early.

HENRY F. MICHELL,
Seed Growers and Importers,
1018 Market St., Philadelphia

NEW CROP FLOWER SEEDS

Verbena, Petunia, Salvia, Stocks, etc., etc.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped. Oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

New Crop 1902 Now in Stock.
Really Produces Mushrooms

VAUGHAN'S
MUSHROOM SPAWN

We supply the largest growers. Per 100 lb $6.00 f. o. b. New York, $6.50 f. o. b. Chicago.

WRITE FOR PRICES ON QUANTITY.

VAUGHAN'S SEED STORE
84 Randolph St., Chicago. 14 Barclay St., New York

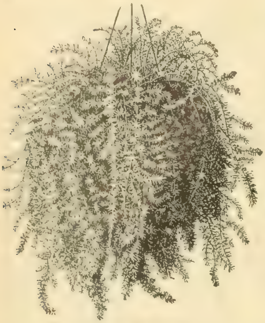
Mention the Florists' Exchange when writing.

DREER'S RELIABLE FLOWER SEEDS

The following is a short list of varieties which should be sown early. All are new crop of the finest possible quality and ready for immediate delivery, with the exception of the Asparagus, new crop of which is due within two weeks. Orders for same will be booked and filled in rotation as the crop arrives.

	Trade pkt.	Oz.
Ageratum, Blue Perfection, dark	$0.15	$0.50
“ Cope's Pet, light	.15	.35
Alyssum, Little Gem, very dwarf	.10	.25
“ Tom Thumb, dwarf, erect	.10	.20
“ Sweet, trailing	.10	.15
Aster, Queen of the Market, white	.20	.60
“ “ “ “ pink	.20	.60
“ “ “ “ crimson	.20	.60
“ “ “ “ purple	.20	.60
“ “ “ “ finest mixed	.15	.50
Asparagus Plumosus Nanus, $1.00 per 100 seeds, $7.50 per 1000 seeds		
“ **Sprengeri** .15 “ “ 1.25 “ “		
Begonia semperflorens, mixed	.25	
Browallia speciosa major	.50	
Centaurea candidissima	.25	1.50
“ gymnocarpa	.15	.35
Cineraria maritima	.10	.20
“ acanthifolia	.20	.75
Cobæa scandens, purple	.10	.30
“ “ white	.20	.75
Cyclamen persicum, finest mixed	.30	2.00
	Per 100 seeds	Per 1000 seeds.
“ per. giganteum, white	.75	6.00
“ “ “ blood red	.75	6.00
“ “ “ rose	.75	6.00
“ “ “ white, with red eye	.75	6.00
“ “ “ choicest mixed	.60	5.00

Dahlia, Twentieth Century, new, 17 cts. per pkt.; 5 pkts., 75 cts.; 12 pkts., $1.75.


Asparagus Sprengeri

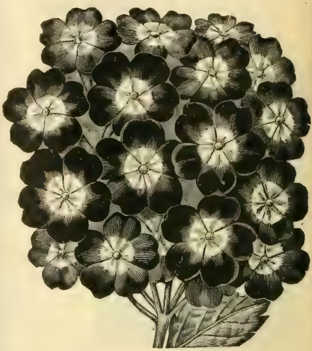
	Trade pkt.	Oz.
Dracæna indivisa	$0.10	$0 30
“ Australis	.20	.60
Pennisetum longistylum	.10	.25
“ Rueppelianum	.15	.40
Grevillea robusta	.15	.40
Heliotrope, Lemoine's Giant, mixed	.40	2.00
“ Finest ordinary mixed	.20	.75
Ipomœa grandiflora (Moonflower)	.15	.50
Lantana, finest mixed	.10	.20
Linaria Kenilworth Ivy	.25	1.25
Lobelia, Crystal Palace compacta	.30	1.25
“ speciosa dark blue, trailing	.15	.50
“ gracilis, light “ “	.15	.40

Petunia, Dreer's Superb Double Fringed, the finest strain of double Petunia in the whole world. 500 seeds, 75 cts., 1000 seeds, $1.50.

	Trade pkt.	Oz.
Petunia, Dreer's Superb Single Fringed	$0.50	
Pyrethrum aureum (Golden Feather)	.10	$0.25
Salvia splendens (scarlet sage)	.25	1.00
“ Bonfire, dwarf compact	.40	2.25
“ Burning Bush, tall	.30	1.50
Smilax, per lb., $3.50	.10	.30
Solanum capsicastrum (Jerusalem Cherry)	.10	.30
Stock, large flowering, 10 weeks, in separate colors	.40	2 25
Finest mixed	.30	2.00
Cut and Come Again (Princess Alice)	.50	3 00
	¼ lb.	lb.
Sweet Peas, Blanche Ferry, extra early, oz., 5c.	$0.10	$0.25

	¼ lb.	lb.
Sweet Peas, Earliest of All, oz., 5c	$0.10	$0.30
“ “ Mont Blanc, oz., 10c.	.20	.60

	Trade pkt.	Oz.
Torenia Fournieri	$0.30	$2.00
Verbena, Dreer's Mammoth, pink	.30	1.50
“ “ “ scarlet	.30	1.50
“ “ “ white	.30	1.50
“ “ “ purple	.30	1.50
“ “ “ striped	.30	1.5C
“ “ “ finest mixed	.25	1.00
“ hybrida, very fine, mixed	.20	.75
Vinca, rosea	.15	.50
“ “ alba	.15	.50
“ “ “ pura	.15	.50
“ “ mixed	.15	.40


Dreer's Mammoth Verbena

FOR A COMPLETE LIST OF FLOWER SEEDS SEE OUR NEW WHOLESALE PRICE LIST FOR JANUARY, FREE ON APPLICATION.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

The American Carnation

By C. W. Ward.

Price, $3.50. Write for Particulars.

PLANT CULTURE

By Geo. W. Oliver.

Price, $1.00. Write for Sample Pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2-8 Duane Street, New York.

FARQUHAR'S

RELIABLE FLOWER SEEDS

FOR IMMEDIATE SOWING.

		Oz.
AGERATUM Mexicanum		$0 30
ASTER, American Branching, mixed		1 00
“ “ “ separate colors		1 00
“ Queen of the Market, mixed		50
“ “ “ separate colors		60
CANDYTUFT, Giant White	¼ lb., $1.00	30
CENTAUREA, Gymnocarpa		40
CARNATION, Marguerite, choice mixed		1 25

CYCLAMEN, Columbian Prize—	100 Seeds.	1000 Seeds.
Farquhar's Giant White	$1 25	$10 00
Farquhar's Giant Pink	1 25	10 00
Farquhar's Giant Crimson	1 25	10 00

		Oz.
LOBELIA, Crystal Palace Compacta	¼ oz., 50c.	$1 25
“ Gracilis		40
MIGNONETTE, Evans' Boston Giant		1 00
“ Machet		50
PETUNIA, California Ruffled Giant	1-32 oz., $1.25	
SALVIA, Glory of Stuttgart, very fine		2 25
“ Bonfire		2 25
STOCK, Cut-and-Come-Again, white		3 00
“ Farquhar's White Column	¼ oz., $2.00	
VERBENA, Farquhar's Mammoth Hybrid, mixed		1 00
“ “ “ “ separate colors		1 50

SWEET PEAS	Oz.	¼ lb.	lb.
Earliest of All	$0 10	$0 15	$0 35
Extra Early Blanche Ferry	05	10	30
Mont Blanc	10	20	60
Katharine Tracy	05	10	30
New Countess	05	10	30

If less than ¼ oz. of a kind is ordered a proportionate advance in price will be charged.

R. & J. FARQUHAR & CO.,
6 & 7 SOUTH MARKET STREET, BOSTON, MASS.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.
Send for Catalogue.

ARTHUR COWEE, “MEADOWVALE FARM,” Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

Mention the Florists' Exchange when writing.

W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON, MASS.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

Catalogues Mailed Free

W. W. RAWSON & CO., Seedsmen, Boston, Mass.
12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

Write for Special Quotations

JAMES VICK'S SONS
ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

American Bulb Growers Co.

Wholesale Bulb Growers,
PETERSBURG, VIRGINIA.

Send for Catalogue.

Mention the Florists' Exchange when writing.

HYBRID CARNATION SEED

:: MIXED. ::

From Mrs. Lawson, Gov. Roosevelt, Wolcott, Violinia, Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

Catalogue Cuts

Our new revised Catalogue No. 6,

FLOWERS AND PLANTS

136 pages and cover, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

A .T. DELAMARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

DWARF BOX FOR EDGING
HARDY SHRUBS in general assortment. **CRIMSON RAMBLER**, 18-24 in., own roots.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

American Seed Trade Association

A meeting of the executive committee of this association was held at the Shoreham Hotel, Washington, January 13. It was decided to hold the next annual meeting of the association at Philadelphia and Atlantic City (probably a part of the time at each place) on June 23 to 25. A program was arranged. There were present at the meeting: President Stokes, Secretary Willard, H. W. Wood, W. H. Grenell, Albert McCullough and F. W. Bolgiano.

Walter P. Stokes and Albert McCullough were also in Washington as delegates to the National Board of Trade meeting, held at the same time and place. S. F. W.

Expert in Seed and Plant Introduction and Distribution.

Announcement has just been made of the appointment of Mr. W. W. Tracy to the position of expert in seed and plant introduction and distribution, U. S. Department of Agriculture. Mr. Tracy has for many years been connected with the firm of D. M. Ferry & Co., of Detroit, and his advent to the department service is an important step and will tend to still further strengthen the new management of the Government distribution of seeds. Mr. Tracy is without doubt one of the most efficient men connected with the American seed trade, and his knowledge of the seed business in general will undoubtedly add much to the efficiency of the work of introduction and distribution.

It is the purpose that the Department, through its agents and by means of the seeds distributed, shall disseminate more accurate information regarding varieties of plants and their uses; to show the relation existing between varieties, and where a variety is known under more than one name, or two varieties by the same name, to correct the error; to assist the horticulturist in classifying, and to introduce new varieties after first determining their adaptability to a particular locality. To do this it is the purpose to co-operate, under Mr. Tracy's management, with many of the experiment stations in making tests of little known varieties of flowers and vegetables; to establish trials at several points throughout the country, with a central trial grounds located at Washington.

One of the important features of introduction and distribution to be emphasized is the encouragement of the planting of small gardens. Under the present management, the seeds used for distribution are grown under contract made between the jobber or grower and the Department; the inspection of these growing crops will be done by Mr. Tracy and his assistants. The stock from which the crop is to be grown the next year will also be carefully inspected and watched from time to time and all plants not true to name and type rogued out and destroyed. Accurate and comprehensive variety descriptions are to be written, a printed copy of which shall accompany the seed; and the seed distributed is expected to come up to the standard stated in the description.

In all matters where the advice and judgment of one who is thoroughly in touch with the trade is required, Mr. Tracy will act in the capacity of advisor, but the executive management of the distribution will remain as at present. Mr. Tracy's appointment will take effect February 1. W. R. B.

European Notes.

The new year is upon us, but no new conditions have at present appeared, and our progress toward the completion of deliveries is hindered by rains and muggy conditions which prevail nearly every day.

The frosts, which are sandwiched between the storms, appear to have very little effect upon the cabbages for next season's crop, that managed to survive the severe spell in November. At present they are looking very promising. The same is true of turnips and rutabagas, which have now got a good hold after transplanting. Judged by external appearances only, the conditions of trade are excellent. Orders are coming in very fast (and sometimes furious). Prices rule high for the principal lines and all would go merrily as a marriage bell. But (to be continued in our next).

The star of the sweet pea appears to be in the ascendant in England just now. The recently formed National Sweet Pea Society held its annual meeting on December 29, and the report presented was of a most encouraging character, of which a substantial balance at the bank, a solid increase in membership and reliable promises of support for the work of the coming year were the most salient features.

As the Royal Aquarium is no longer available for the annual exhibition (which has been fixed for July 15 and 16), the show has been transferred to the delightful surroundings of Earl's Court under very generous conditions granted by the managers of that beautiful and popular resort.

The veteran Richard Dean resigns the post of exhibition secretary, and the two offices are now to be filled by the general secretary, H. J. Wright, who will bring younger blood and newer ideas to the carrying on of the work. George Gordon, V. M. H., is elevated to the rank of president, and his place as chairman of committees is filled by S. B. Dicks. All through the trade a largely increased demand for sweet peas is reported, and the publication of the new schedule will add a further stimulus—all of which is very gratifying and profitable to

EUROPEAN SEEDS.

Burpee's Farm Annual.

The present year marks the 27th issue of Burpee's Farm Annual, which is fully up to the high standard of its predecessors. There is an originality about the Annual in the make-up, in the plain, business talks concerning the offerings it presents and other features that invest it with an individuality among catalogues, at once striking, attractive, interesting and fascinating. Mr. Burpee never fails to give the originator's name of any acquired meritorious article he is offering, along with its good points, and at times the purchase price. There is no attempt made to conceal the full addresses of those who testify to the satisfaction given them by Burpee's "Seeds that Grow," proving that the firm has faith in the intrinsic worth of the goods it handles holding its customers against the allurements of competitors. These are some of the points that distinguish the Annual from its numerous neighbors. This year, we note with satisfaction that an article appearing in The Florists' Exchange on September 6, 1902, concerning the trial grounds at Burpee's Fordhook Farms, finds a prominent place in the pages of the Annual.

The catalogue contains 184 pages, and covers, the latter beautifully embossed showing life-like representations, in color, of Burpee's Black Beauty egg plant, Matchless tomato, and Burpee's White Evergreen sugar corn. Incorporated in the book which is profusely illustrated, are colored plates of Four Finest Long-Keeping Onions; new watermelon, Burpee's "Halbert Honey;" Seven Superb Nasturtiums; and Collection of Sweet Peas. The lists of novelties offered in every department are comprehensive, particularly those in sweet peas and florists' flowers.

Thorburn & Co.'s Catalogue.

The present issue is the one hundred and second successive annual catalogue distributed by this firm, and it is, as usual, replete with interesting and substantial information. Most beautiful are the numerous half tone engravings of vegetables and flowers dispersed throughout the catalogue; while the various tables, showing time of flowering, height, color, etc., of the subjects, the seeds of which are offered, are of an especially serviceable character. Very full lists of specialties and novelties, both in flowers and vegetables, are supplied. Profusely illustrated.

Dreer's Garden Calendar.

The calendar this year comes to us in a dainty cover, with a blue background, on which are beautifully embossed lifelike representations of Stokesia cyanea (cornflower aster) and Japanese iris, the name of the firm being in gold. The Dreer establishment at Riverton, N. J., now covers over 100 acres of ground; and there are 87 large modern greenhouses. The calendar is very comprehensive in its character. Extensive and valuable lists of specialties and novelties are included. It is profusely illustrated, and contains charming colored plates showing collections of vegetables, nasturtiums, cactus dahlias, and torch lilies. The lists of aquatic and hardy perennial plants are particularly full and interesting. A most handsome and serviceable catalogue.

Random Notes on Advertising.

The following pertinent paragraphs appear in the December issue of Agricultural Advertising:

> If I were a seedsman I would never use all of my advertising space telling what my seed catalogue contained. I would make special offers on some particular variety of seed, having in view the adaptability of the crop to the section of country covered by the medium used. It would be well enough to conclude the ad with "catalogue free" or "send for catalogue." It is not the catalogue that the seedsman desires to sell. He seeks buyers for the seeds he has for sale.
>
> As a rule, illustrations in small ads do not pay for the space they occupy. An attractive border or a rim of white space looks better than a concentrated etching of a pansy that resembles a blot of ink more than the delicately colored little flower it is designed to portray. Illustrations are important and quite appropriate, however, where space admits of their proper use. Quality of paper is a factor that enters into this study. A fine halftone engraving is virtually thrown away when used on a cheap, flimsy grade of paper. Therefore, when ads are to be illustrated with cuts of this kind, it is highly important that the mediums employed shall be of suitable quality for the best presentation of the object or objects engraved on the plates.
>
> The practice of keying ads is apparently losing popularity. I interpret this fact as very conclusive evidence that many doubting Thomases have been convinced of the effectiveness of advertising.
>
> Nursery stock is now quite largely sold direct to those who do the planting. Formerly a great many of the leading nurserymen employed agents to dispense their wares. In most cases this plan has proved less satisfactory to nurserymen than making direct appeals through agricultural publications to the class of farmers whom it is desired to reach. Judicious advertising has taken the place of the slick-tongued tree-venders and both the nurseryman and his customer get a better and cheaper service. A small ad inserted in the right kind of papers at the right time will produce more profitable results for the nurseryman than agents paid twice the cost for selling half as many dollars' worth of stock.
>
> Advertising of trees, shrubs, and plants grown by nurserymen should begin early in the Winter and continue regularly until the legitimate close of the season. Orders for many kinds of nursery stock are not filled until within a few weeks of planting time in the Spring, so that by beginning his advertising campaign early the nurseryman will be able to "book" a great deal of business that he might otherwise fail to secure.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 25c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Tennis Ball, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

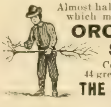
PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.
Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.
Mention the Florists' Exchange when writing.

Ligustrum Regelianum
(Prostrate Privet)
A variety of merit. Much hardier than California. Largest Stock in America.
All Sizes. Transplanted.
ANDORRA NURSERIES, Chestnut, Hill Phila., Pa. WM. WARNER HARPER, Prop.
Mention the Florists' Exchange when writing.



Almost half a century of fair dealing has given our products that prominence which merit deserves. We still offer everything of the best for
ORCHARD, VINEYARD, LAWN, PARK, STREET, GARDEN & GREENHOUSE.
Correspondence solicited. Catalogue and Trade List free. 49 years, 44 greenhouses, 1000 acres.
THE STORRS & HARRISON CO., Painesville, Ohio.
Mention the Florists' Exchange when writing.

Hardy, Herbaceous Plants

Japanese Iris, German Iris and Pæonias Specialties. Golden Glow, Eulalias, Day Lilies, Hardy Sunflowers, Dragon's Head, Cone Flowers, Boltonias, Sedums and a long list of other valuable kinds in large supply. Please write for lists of varieties and prices; they will probably surprise you.

J. T. LOVETT, Little Silver, N. J.
Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

COVINGTON, KY.—The Covington Seed Company, 19 and 21 Pike street, operate three greenhouses besides doing a seed trade. They would like to receive catalogues from dealers and seedsmen.

Dwarf Lilacs.

The greater number of lilacs used for forcing are on their own roots, their floriferous character, while so small, resulting from the dwarfing that growing in pots brings about. These, when planted outdoors after being done with for forcing, make large, strong plants of the usual lilac character. But there is another variety of dwarf lilac, those budded on the privet stock. These are never as vigorous as others on their own roots, the privet not being of the same robust character as the lilac. If budded low, near the ground, so that when re-set it can be placed a little deeper, bringing the junction below ground, roots will emerge from the lilac, and in this way a lilac growth will result in time. The budding of the lilac on the privet is rarely done with the object of dwarfing it, but to increase the stock rapidly. A row of a thousand privets can be budded and not a hundred miss in the lot. The next year young lilacs, perhaps two feet high, are for sale. When worked on privet, the lilac flowers at a younger age, which is an advantage at times. I say at times because to many the lilac on its own roots, in the old way, flowered soon enough. But many want something new and something to flower quickly, and the budded lilac answers the requirements.

The California privet is the one used for stocks. The plants are set out in Spring, cut down almost to the ground and the shoot resulting is the one budded the September following.

White Pine as a Shelter Tree.

That the branches of the white pine are apt to snap in severe storms when trees are old is well known, and this fact sometimes deters one from planting the tree. But this snapping does not occur to any great extent when the trees are young, the branches being more flexible. This should be remembered in connection with its use as a wind-break or shelter-affording tree, for which purpose but few evergreens are its equal. In the most exposed places it stands better than almost any other tree. The reason is to be found in the soft needles it possesses. These suffer but little in gales of cold wind, as they give to the gale, instead of standing rigid and combating the wind as does the Norway spruce, for example. By a little pruning of side branches when young, the white pine can be made a bushy tree.

The Flowering of Rhododendrons.

The nursery salesman who has the confidence of his customer has no trouble in getting him to take some rhododendrons without or with but few flower buds when a selection of a number for a bed is being made. The new customer, without knowledge of the salesman's integrity, might regard the advice as insincere, that it would be to his advantage to select them in that way. But it takes but a year or two to convince every one that has anything to do with these plants, that when every shoot contains a flower bud there will be none the next year. If some shoots are without buds and some with them, those plants are all right, the budless ones will flower next year. But the shoot carrying a bud will rarely carry buds on the shoots it will make after the flower decays. The wise person in selecting plants will reject those heavily budded, unless on the same plant are many shoots showing no bud. It is often a source of regret to a salesman to see a customer selecting plants as full of buds as possible. It is a mistake, if regard be had for flowers the second season.

Even such vigorous growers of the catawbiense type as purpureum elegans and Everestianum, though making strong shoots succeeding the flowers, rarely set a flower bud on the ends of them.

The Beautiful Nordmann Fir.

The unwonted sight of some Nordmann firs being used for Christmas trees in the way of decorative plants in tubs, leads me to say a few words in favor of this lovely evergreen. The fact of its being used denoted progress in the way of spending money at least, for a Nordmann fir costs cash, and the plants seen, being not less than three feet in height, were such as sell at $3.00 to $5.00 each. Having a broad spread and such handsome green foliage, it could not be bettered by any other kind for certain positions, such as a center-piece for a table, where a green tree is wanted, not for the hanging of presents. Such trees as this are for the wealthy; the mass of the people will be satisfied with a balsam fir, Norway or white spruce. The Nordmann fir is really the king of firs in the northern states. It is always of luxuriant appearance, even though it has just passed through a hard Winter; and this can be said of but few other evergreens in the family of firs. In the matter of transplanting, it is not a difficult case. With a little care, seeing to it that the roots do not become dry, transplanting is usually successful. One cause for the reason of this beautiful evergreen being higher-priced than some others is its exceedingly slow growth for the early years of its seedling life. For a year or two the little plants are barely out of the ground. Every year thereafter their advancement is less slow until, when of a three-foot size, six to ten inches a year will be added to their height.

Planting Larch in Spring.

It seems unseasonable to be writing now of Spring planting, but planting in the South will soon be in order; and noticing in your advertising columns attention being called to stock for Spring planting, and larch being listed among the articles named lead me to speak of it. This is not the first mention of it, but it will bear repeating that one of the easiest things to grow when planted in season, and one of the hardiest at any other time, is the larch. And then, it is such an early one to feel the breath of Spring! Therefore, get your plans made early for the planting of the larch. The frost will no more than be out of the ground before its buds burst. When set later, and well pruned in, I have known of some that have grown and many that have died.

Some other early budding trees and shrubs that come to mind as I write are weeping willow, bush honeysuckles, Spiræa sorbifolia, Pyrus japonica, Viburnum plicatum, Ribes floridum, and other species.

If note of these things were made and preparations begun to have early plantings of them a good deal of disappointment would be avoided. Very many of these subjects will not do well at all set late, even with severe pruning.

South Carolina Holly.

Mention has been made in another place of some holly seen along the streets of Philadelphia at Christmas, said to have come from South Carolina. This holly differed in a marked way, and to its advantage, from what is usually seen along our streets. It was of far more vigorous growth, some of the shoots of the past season being nearly a foot in length, in marked contrast to the short-jointed shoots of the other. The advantage of having these thrifty shoots will be recognized by everyone. Then the leaves were longer, not nearly as round as those of the other, of a better green, and many of them, especially of the latest growth, almost devoid of prickles. In the last respect they resemble those of the English holly, or some forms of it, at least, which, on shoots well laden with berries, are almost free from spines or prickles.

The conclusions formed are, that these branches must have come from holly bushes growing in very rich soil. One dealer, when asked the cause of the very different appearance of this holly from that usually seen, said it was the "swamp holly"; but whatever its local name, it is but Ilex opaca. Swamp holly in the North is one of the deciduous hollies, Ilex (Prinos) verticillata. JOSEPH MEEHAN.

Baltimore.

Jottings.

The cold weather, the scarcity of coal, and express rates on the increase, have made your correspondent derelict in his duty.

Trade is about as usual, nothing extraordinary. The florists are glad to keep body and soul together. No one is looking far ahead or making any plans for the future, except to buy coal early in May, before the roses fade.

The club meets regularly, with a rather slim attendance. The boys are hustling to keep Jack Frost out.

On express rates the club passed resolutions as follows:

"Resolved, That it is the sense of the Gardeners' Club of Baltimore and the florists' trade in general, that the increase of express rates on cut flowers by the Adams and United States Express Companies is unwarranted by existing circumstances, a hardship on the trade generally, and the rates should be abated.

Resolved, also, That a committee of three be appointed to take the matter in charge, and forward a copy of these resolutions to the superintendents of said companies; also to Mr. John N. May, of Summit, N. J.

The committee is composed of Messrs. Wm. Fraser, R. Vincent, Jr., and I. H. Moss.

The Florists' Exchange, of this city, at its stockholders' meeting, elected the following officers and directors for one year: I. H. Moss, president; W. Akehurst, vice-president; E. Kress, treasurer; Wm. Fraser, secretary; Fred. Bauer, John Rider and Edwin A. Seidewitz, directors. The business of the year was the best in the history of the organization.

EDWIN A. SEIDEWITZ.

TREES. TREES.
Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.
Wm. J. Chinnick, Trenton, N. J
Mention the Florists' Exchange when writing.

EVERGREEN
An *Immense Stock* of both large and small sized *EVERGREEN TREES* in great variety; also *EVERGREEN SHRUBS.*
Correspondence solicited.
THE WM. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing.

CAPE JESSAMINES
GARDENIA FLORIDA
Strong, stocky plants, 4 to 6 in., $2.00 per 100; $18.00 per 1,000; 3-inch pot plants, $6 00 per 100.
JOHN MONKHOUSE,
Caddo Nurseries, Jewella, La.
Mention the Florists' Exchange when writing.

HERBACEOUS PEONIES.
We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.
List of names on application.
W. MAUGER & SONS. Guernsey, England.
Mention the Florists' Exchange when writing.

California Privet
Strong, branched, two-year plants, 2 to 3 feet, $3.00 per 100; $25.00 per 1000; 18 to 24-in., good, $2.00 per 100; $15.00 per 1000; 15 to 20-in., $1.50 per 100; $10.00 per 1000. Well graded stock that will please.
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.
Pot-Grown Plants for Forcing.
Rhododendrons, H. P. Roses, Etc.
No Agents Catalogue free on demand. No Agents
Mention the Florists' Exchange when writing.

HYDRANGEAS
$10.00 per 100; $45.00 for 500.
Otaksa Thos. Hogg
Strong out-door plants with 5 to 7 flowering crowns. Suitable for 6-in. or 7-in. pots.
JACKSON & PERKINS CO.
Newark, New York
Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK
In Fine, Healthy Condition.
PLEASE ASK FOR OUR CATALOGUE.
ENDTZ, VAN NES & CO., Boskoop, Holland.
Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
Geneva, N. Y.
WHOLESALE GROWERS OF
Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.
Send for our Wholesale Price List.
Mention the Florists' Exchange when writing.

TREE SEEDS
Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.
PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.
Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
Continental Nurseries, Rochester, N. Y.
Mention the Florists' Exchange when writing.

HARDY ORANGE
(Citrus trifoliata)
Extra fine stock for mailing; 8 to 18 inches in height, $10.00 per 1000; $2.00 per 100.
FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.
SEND FOR LIST.
JESSAMINE GARDENS, Jessamine, Fla.
Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
Hardy, Fancy Ornamental Nursery Stock
J. BLAAUW & CO.
BOSKOOP, HOLLAND.
Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.
JUST RECEIVED FROM OUR HOLLAND NURSERIES:
Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

BOSTON FERNS 2½ in. plants, $4.00 per 100; $35.00 per 1000.
Clerodendron Fragrans, 2½ in., $6.00 per 100.
Allemanda Williamsii, 2½ in., $5.00 per 100; 3 in., $8.00 per 100.

Climbing Clothilde Soupert Rose, strong well branched field plants, for 6 to 8 in. pots $15.00 per 100; for 4 to 5 in. pots, $10.00 per 100; 2½ in. plants, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

Decorative Palms

Araucarias, Ficus, Bay Trees
And smaller size Palms for Spring shipment.
Carefully grown and packed by
HAERENS BROS., Somergem, Belgium
SOLE AGENTS:
AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

FLORISTS' ORCHIDS FLORISTS' ORCHIDS

The finest varieties for cutting purposes.
Largest Growers and Importers in the world.
SANDER St. Albans, ENGLAND. Bruges, BELGIUM.
Agent, A. DIMMOCK, 60 Vesey St., New York City

Mention the Florists' Exchange when writing.

The New Fern, "ANNA FOSTER."

The most beautiful fern yet introduced. Quick seller, very prolific; prices very low. 2½ in., $10; 3 in., $20; 4 in., $35; 5 in., $50; 6 in., $100, per 100.

Fine Kentias, $50, $75, $100, per 100.

Ficus, 5 in., 18 in., well furnished, $4.00 per doz.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

Kentia Belmoreana

Fine plants, 7 and 8 in. pots; 7 leaves; 42 to 60 in. high, $50.00 per doz.

Asparagus Plumosus Nanus.
5-in pots; strong plants, $25.00 per 100.

Asparagus Sprengeri.
5-in pots; strong bushy plants, $25.00 per 100.

P. J. BURGEVIN, Port Chester, N. Y.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI
Extra strong, 2¼ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. **Springfield, O.**

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.
GROWER OF
Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

FERNS

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.
BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.
FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana,** 25 to 36 in. high, 75c to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

SEEDLINGS. From flats, ready to pot; $1.00 per 100; $7.50 per 1000.

FIELD-GROWN. Extra strong. These plants are making new top and root growths. If potted now, will be fine for Easter. Plants large enough for 4 and 5-inch pots or pans, $3.00 and $5.00 per 100, respectively.

ADIANTUM CAPILLUS VENERIS. The best for fern dishes. Bushy 2½-inch pot plants, $3.00 per 100.

CHINESE PRIMROSES. Select strain. READING SCARLET, best of its color. LIGHT ROSE PINK, no trace of magenta. Large plants from 3-inch pots, in bud and bloom, $4.00 per 100.

CINERARIA STELLATA. Good for pot displays or cutting. Extra strong, from 3-inch pots, $4.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Areca Lutescens, 3 plants in a pot, 3, 4, 5, 6 in., $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Kentia Belmoreana and Forsteriana, extra clean and well grown plants, 2½, 3, 4 and 5 in., $8.00, $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Boston Fern, $4.00, $8.00, $15.00 and $30.00 per 100 for 2, 3, 4 and 5 in.

Asparagus Plumosus, 2 in., $5.00; 3 in., $8.00. **Sprengeri,** 2 in., $3.00; 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Chinese Primroses, 3 in., $5.00 per 100; 4 in., $8.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Mrs. Lawson, Queen Louise, White Cloud, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. EMMANS,
NEWTON, N. J.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $4.50 per doz.; $35.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

FERNS

4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

JOHN BADER, Troy Hill, Allegheny City, Pa.
L. D. Telephone 872a.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS, TULIPS, ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue.

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I make a specialty of **NEPHROLEPIS EXALTATA BOSTONIENSIS.** Small plants, $5.00 per 100; $40.00 per 1000. Larger plants, $15.00 per 100.

ALSO A FINE LOT OF

Kentias, Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $18.00 per 100; 3½ in. pots, $15.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Cycas, 50 cts. to $2.50 each.

Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS

OUR SPECIALTY

If you are in the market for Ferns and want the best, give us a trial order. Owing to the steadily increasing demand for our stock we have added another large range of greenhouses to our establishment and can offer the best stock of Ferns ever produced in unlimited quantities at comparatively low figures.

ASSORTED FERNS For jardinieres in fifteen of the leading varieties, good stocky plants, from 2¼ in. pots, sample free, at $3.00 per 100: $25.00 per 1000. 250 at 1000 rate.

	100	1000
Adiantum cuneatum, 4 in. plants.	$15 00	$140 00
" " 5 in. " ...	25 00	235 00

500 at 1000 rates.
TELEPHONE CALL—29 I.

Anderson & Christensen, Short Hills, N. J.

Mention the Florists' Exchange when writing.

CHAS. F. MEYER
PALMS
Nursery Stock

Bulbs, Azaleas, Palms, Etc.

I am now booking orders for **BULBS** and **PLANTS** for Fall delivery and recommend my firm to the kind consideration of the trade.

I stand on the platform of **HIGH-GRADE QUALITY** and have the best sources of supply to sustain me.

For **SPRING DELIVERY**, fine young plants for growing on, such as

Palms, Araucarias, Ficus, Etc.

from the celebrated nurseries of **AD. D'HAENE CO., Ltd., Ghent.** Perfect plants, reduced prices.

Write for Catalogue and Order Early.

CHAS. F. MEYER
Importer and Sole Representative of the
AD. D'HAENE CO., LTD., Ghent,
19 BARCLAY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

PTERIS

	Per 100
WIMSETTI, 2½ in.	$6.00
OUVRARDI, "	6.00
HASTATA, "	5.00
SERRULATA, "	5.00
UMBROSA, "	6.00

These are strong healthy plants, grown cool and spaced; just the thing for fine fern pans.

ASPARAGUS SPRENGERI, 4 in., $6 per 100.

Stock plants of **CRYSANTHEMUMS** from beds, fine healthy plants, of **Robinson, Hardy, Timothy Eaton, Modesto, Mrs. Geo. Pullman, Bonnaffon** and **Queen,** $4.00 per 100. Cash with order please.

A. J. NEWTON & SONS, Norfolk, Va.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI, $3.00 per 100; $25.00 per 1000
2½ x 3½ inch pots.
Strong, well-established plants; splendid value.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.

Adiantum Cuneatum, 4-in. pots....$2.00 per doz.; $15.00 per 100
Asparagus Sprengeri, 5-in. pots.... 2.00 " 15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots....per doz., $3.00
6 in. " .... " 5.00
6 in. " strong.... " 6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants....per doz., $1.50
4 in. " extra select.... " 2.00

FERN BALLS

Furnished with leaves....per doz., $3.00

FERNS FOR DISHES

2 in. pots, good varieties....per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

Large, Strong Stock Plants from Bench.

Bently	$0 35 each;	$3.00 per doz
C. Holst	.25 "	2 00 "
Honesty	25 "	2 00 "
Prosperity	25 "	2 00 "
Providence	25 "	2 00 "

T. Eaton, Appleton, Maud Dean, Childs, Mrs. Chamberlain, Liberty, Chadwick, Orizaba, Lady Roberts, Golden Wedding, Golden Beauty, Bruant, $1.50 per doz., $8.00 per 100.

Mrs. E. D. Smith, White Bonnaffon, R. H. Pearson, Bergmann, Willowbrook, Ivory, October Sunshine, Merry Monarch, The Queen, Mrs J. Jones, Bonnaffon, Lucie Faure, Niveus, Eclipse, $1.00 per doz., $6.00 per 100; 6 plants of one variety at doz. rate, 25 at 100 rate.

H. WEBER & SONS, Oakland, Md

Mention the Florists' Exchange when writing.

GERANIUMS

An excellent assortment from 2½ in. pots, $2.50 per 100; $20.00 per 1000. E. G. Hill, Heteranthe, White Swan, S. A. Nutt, Alphonse Ricard and La Constable.

Asparagus Plumosus, 2½ in. pots, $3.00 per 100; 3 in., $6.00 per 100. **Asparagus Sprengeri**, 2½ in. pots, $2.50 per 100, 3 in., $4.00 per 100. **Boston Ferns**, fine plants, from 2½ in. pots, $3.00 per 100, $25.00 per 1000. **Ferns**, for terneries, $2.50 per 100. **Roses**, fine assortment of 2-year old, $10.00 per 100. Let us quote you on young stock. Send for list.

NATIONAL PLANT CO., DAYTON, Ohio.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

		Per 100	Per 1000
Heteranthe	Big lot ready now	$1.25	$10.00
Buchner		1 25	10 00
Viaud		2 00	15 00
Castellane		2 00	15 00
Perkins		2.00	15.00
Poitevine		2.00	15.00
Landry		2.00	15.00
Ricard		2.00	15.00
S. A. Nutt		1.25	10.00
Acteon, La Favorite, La Pilot, Bonnot and **Castris**		1.50	

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties ..... $5.00 per 1000
Double Petunias, rooted cuttings, $1 25 per 100
Heliotrope, all dark varieties ...... 1 00 "
Feverfew, in fine shape ...... 1 25 "
Ageratum ...... 60 "

Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

GERANIUMS

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A. Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant.

Rose, Nutmeg, Balm and other scented kinds.

MISCELLANEOUS PLANTS

	2¼ IN. POT, PER 100
Alyssum { Giant Double and Dwarf Double, }	$2.00
Swainsona Alba	2.00
Lemon Verbena	2 50
Ageratum { Stella Gurney and Dwarf White }	2 00
Abutilon, In Variety	2.50
Alternanthera, in Variety	2.00
Coleus, In Variety	2 00
Lantana, 10 Varieties	2.00
Smilax	2.00
Salvia Silver Spot, Bonfire and Splendens	2.00
Fuchsias, In Variety	3.00
Forget me-not, Large Flowering, Blue, from 2½ in. Pots, $2 50 per 100.	
Hardy English Ivy.	2 00
(Rooted cuttings 75cts. per 100, $5.00 per 1000)	

CASH WITH ORDER.

See our full page advertisement in Christmas Number, December 6.

R. VINCENT, JR., & SON

White Marsh, Md.

Mention the Florists' Exchange when writing.

SMILAX

700 out of 2½ inch pots, fine strong stock, $15.00 for the lot. Cash with order, please.

J. HAUCK, 86 So. Grove St., EAST ORANGE, N. J.

Mention the Florists' Exchange when writing.

Special Prices ON GERANIUMS

For the Next Two Weeks.

SEND FOR LIST.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Bonnot, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Poitevine, $15.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS Coleus Petunias Sage, Etc.

Stocky, vigorous young plants from pots, sent with all the roots, but little soil. M. Landry, S. A. Nutt, Bruanti, Buchner, Modesty, 10 other fine doubles, and 8 newest double Ivies, $14.00 per 1000; $1 40 per 100. A. Ricard, Poitevine, F. Perkins, J. Doyle, M. Castellane, J. Viaud, J. P. Cleary, A. Lang, $16.00 per 1000; $1.60 per 100. **Le Soliel**, very best glowing scarlet, double, $2.50 per 100.

COLEUS, R. C. All brighest fancy and Golden Queen, 60 cts. per 100. **Giant Leaf**, 20 vars., grand, finest of all, $1.00 per 100.

PETUNIAS Select large doubles, from pots, $1.75 per 100.

Sage, Heliotrope, etc. List free.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

100,000 of my well known strain; 40c. per 100; $3.00 per 1,000; 4,000 for $10.00.

DAISIES, red and white, 30c. per 100; $2.00 per 1000.

VINCAS, very large field-grown, $5.00 per 100.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSIES

THE JENNINGS STRAIN.

Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt., $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

XXX STOCK

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots in bud and bloom, $6.00 per 100; from 4 in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots $4.00 per 100; $35.00 per 1000

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S. A. Nutt, La Favorite, Jean Viaud, etc., well-grown plants from 2½-in. pots, $2.50 per 100; $22.50 per 1000

CANNAS dormant tubers, 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Papa Canna, Egandale, etc., $2 00 per 100; $18 00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerly, R. I.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD,
FRAMINGHAM, MASS

Mention the Florists' Exchange when writing

CANNAS. **Austria**, 2 and 3 eyes, $5.00 per 1,000. **Caladium Esculentum**, 5-10 in. $3.00 per 100. **Eulalia**, Gracillima, Zebrina, Variegata, field-grown clumps, $1.00 per 100. **Asparagus Sprengeri**, 3 in., $1.75 per 100; 500 for $7.50. **California Violets**, field-grown plants, 75c. per 100; $6.00 per 1000.

E. E. STONE, Dickinson, Texas.

Mention the Florists' Exchange when writing.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets**, $10.00 per 1000.

Madeira Roots and **Gladioli**, $1.00 per 100.

Shrubs and **Vines.** Send for List.

CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for circular.

J. L. DILLON, Bloomsburg, Pa

Mention the Florists' Exchange when writing.

PRIMROSES and CINERARIAS

In bud and bloom; a great variety of colors, very large flowering. Money cannot buy better plants.

PRIMROSES, 4 inch, $5.00 per 100; 500, $20.00.

CINERARIAS, 5 inch, $1.50 per doz.; $10.00 per 100. Calceolarias, 2¼ in., $3.00 per 100; 3 in., $5.00 per 100.

UNROOTED CARNATION CUTTINGS. Gaiety, Oriole, Challenger, Fairmaid, Cressbrook, Norway, Dorothy, Prosperity and Roosevelt, $1.50 per 100; $10.00 per 1000. Carnation Cut Blooms, fancy, $2.00 per 100.

WHITTON & SONS, Wholesale Florists,
City and Green Sts., Utica, N. Y.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

STRONG PLANTS.

$4 00 per 1000; $2.50 per 500; $1.00 per 100.

f. o. b. Express here. Cash with order.

CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

Mention the Florists' Exchange when writing.

LET US QUOTE

you prices on the following cuttings:

Vincas, Geraniums, Carnations, Salvia, Etc.

Also Asparagus Plumosus from 3-in. pots.

B. FRANK BARR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Pansy Plants

	Per 100.
Large Flowering. ......$2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants	2 00
Coleus, 20 var., 2 in. pots	2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and	3 00
Vinca Var., 2 and 3 in. pots 2.50 and	4 00
Canna Roots, 10 var.	3 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

GOOD RESULTS: WELL PLEASED.

Have always been well pleased with the good results from our advertisement in your paper.

Fishkill, N. Y. **WOOD BROS.**

ROSES for spring blooming—The proper sorts—Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-yr. field-grown plants on own roots that have never been forced, suitable for 5 in. pots, at 6c.; larger for 6 in. pots, at 10c. Large-flowered Clematis, finest purple, lavender, white and pink sorts, 2-yr. field-grown or from 5 in. pots, at 18c.; 1-yr. field-grown or from 3 in. pots, at 9c. Clematis Paniculata, fine 2-yr. field-grown 5c. Hydrangea P. G., fine rooted layers, 2c. Packing free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings from Clean, Healthy Stock.

Now Ready.

	100	1000
Mrs. Thomas Lawson -	$2.50	$20.00
The Marquis - - - -	1.25	10.00
Gov. Roosevelt - - -	2.00	15.00

For February and March Delivery.

	Doz.	100	1000
J. H. Manley - -	75c.	$6.00	$50.00
Harry Fenn - -	75c.	6.00	50.00
Mrs. Higinbotham	75c.	6.00	50.00
Queen Louise, or Lorna		2.50	20.00

THEODOR LEONHARD,
P. O. Box 1646, Paterson, N. J.

Mention the Florists' Exchange when writing.

NEW

Fancy Carnation

"TIGER"

Orange, striped pink; 2½-3½ inches; calyx strong; fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

Color, pure White.

Size, 3 to 3½ inches in diameter.

Calyx, spreading at the top, making it practically non-bursting.

Form, the lower or guard petals stand out straight, retaining the full size of bloom. Petals slightly serrated and beautifully arranged, forcing a full rounded center.

Odor is very sweet and particularly pleasing.

Stem, 19 inches to 2½ feet during the season, and always strong enough to carry the large flower erect

Habit, strong and vigorous; thrives well and grows rapidly. Transplants readily and comes into bloom early, and is not a cropper. It will stand closer planting than most varieties.

Productiveness, extremely free flowering. More productive than any other large white. A profitable and high-grade commercial variety.

Price, $2.50 per doz.; $12.00 per 100; $100 per 1000. 50 at 100 rate; 500 at 1000 rate.

H. WEBER & SONS, Oakland, Md.
GROWERS AND ORIGINATORS OF NEW CARNATION.

Mention the Florists' Exchange when writing.

Chrysanthemums Stock Plants

Robinson, M. Henderson, Major Bonnaffon, Bergmann, Murdock, Ivory, Pink Ivory, Sunderbruch, Ada Spaulding, Niveus, W. H. Lincoln, T. H. Brown, Viviand Morel, J. H. Woodford, Yellow Fellow, Atkinson, Silver Wedding, Mrs. J. Jones, H. W. Rieman, Lady Faure, Dorothy Devens, Wanamaker, Appleton, 50 cts. per doz. $4.00 per 100.

MOUNT HONNES CONSERVATORIES,
Fishkill, N. Y.

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing

MODEL EXTENSION Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N. Y.**

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS. CLEAN STOCK.

Fairmaid, $5.00 per 100; Mrs. Bradt and Mrs. Lawson, $2.00 per 100. Elm City and Gen. Maceo, $1.50 per 100. Wm. Scott, Mrs. Joost and Daybreak, $1.00 per 100. From soil, 50c. per 100 extra.

J. W. HOWARD,
RUSSELL ST., Woburn, Mass.

Mention the Florists' Exchange when writing.

50,000

ROUTED CUTTINGS NOW READY

—OF—

Lawson, Norway, Crane, Melba, Gomez, Joost, Crocker, Hill, Lord, Scott and Alaska.

Will be pleased to quote prices on other standard varieties for later delivery.

ST. LOUIS CARNATION CO.,
CLAYTON MO., R. R. No 1.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings

of Mrs. Fisher, for summer blooming ready now, $8.00 per 1000.

Cash with Order.

G. F. NEIPP, Aqueduct, Woodhaven P. O., N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings, fine, well-rooted. **Norway** white, **Flora Hill** (white), **Genevieve Lord** (light pink), **Guardian Angel** (pink), **Ethel Crocker** (pink), $1.25 per 100, post-paid; $10.00 per 1000 by express. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

Chicago Carnation Co.

JOLIET, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

		Per 100	Per 1000
Cressbrook	-	$5.00	$40.00
Challenger	-	5.00	40.00
Fair Maid	-	6.00	50.00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON,
Fall River, Mass.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

YOUNG Scotch gardener wishes situation. Experienced in grapes, cucumbers, tomatoes, chrysanthemums, etc. Address Alex. Lamond, Quissett, Mass.

POSITION wanted as working foreman; highest experience in cut flowers and general stock. Not afraid of work; best of references. Address Florist, General Delivery, Woburn, Mass.

SITUATION wanted by Swede, 21 years old. One year's experience at business in this country; wish to learn business. Address E. J. Benson, care Ekblad, 390½ Broadway, Saratoga, N. Y.

SITUATION wanted by salesman; 10 years' experience on the road selling seeds, bulbs, and plants. Wish to engage with good house, or will take partnership. Address B. M., care Florists' Exchange.

WANTED, situation as grower of carnations and chrysanthemums and general line of pot plants; life experience. Eastern States preferred. Age 36, married. Address C. E., care Florists' Exchange.

EXPERIENCED man, well acquainted with the wholesale and retail seed, bulb, plant, cut flower and florist supply businesses, wants position. Best of references. Address Seeds, 6112 Wentworth Ave., Chicago, Ill.

WANTED, position as assistant in greenhouse; some experience; age 21; willing to learn; can make up designs. $5.00 week and board. Four years in last place; excellent references. Apply C. K., care Florists' Exchange.

WANTED, A SITUATION BY AN EXPERIENCED SEEDSMAN, FAMILIAR WITH ALL THE DETAILS OF THE SEED AND BULB BUSINESS. ADDRESS SEEDSMAN, 27 FRANKLIN ST., ROCHESTER, NEW YORK.

SITUATION wanted by good all-around grower and propagator; 26 years of age; ten years' experience; best references from Europe and America. Able to take charge; private or commercial. Address B. E., Crestline P. O., Ohio.

SITUATION wanted, by a thoroughly practical man with first-class references, as gardener on a private place; good plantsman, vegetable and fruit grower; used to handling men. Address David Morly, 54 Stafford St., Toronto, Canada.

CARNATION EXPERT WANTS POSITION AS FOREMAN OR TO TAKE CHARGE; 20 YEARS' EXPERIENCE IN GENERAL GREENHOUSE WORK. BEST OF REFERENCES GIVEN. ADDRESS C. H., CARE FLORISTS' EXCHANGE.

SITUATION wanted by a Hollander, 20 years of age. First-class references; seven years' experience in the business. Has knowledge of German language. Address W. Lefebre, Hilversum, Havenstr, 2, Holland.

SITUATION wanted by experienced florist, 29, single. Complete knowledge of growing all kinds of cut flowers; carnations and pot plants a specialty; 15 years' experience; 10 years in this country. Strictly sober and can show best references. Able to take charge. Open for employment February 5. Please state wages. Address C. A., Florists' Exchange.

SITUATION wanted on private or commercial place, by a gardener and florist, German, age 35, single; 20 years' experience in first-class private and commercial places, under glass and outdoors. Understands roses, carnations, violets; some experience in store and decorating. First-class references from former employers. Please state wages and particulars. Address A. S., care Endeglin, 1410 Amsterdam Av., New York City.

HELP WANTED

WANTED at once, an active young man to work in our orchid houses. Lager & Hurrell, Summit, N. J.

WE HAVE an opening for two wideawake seedsmen. All correspondence treated confidential. C. L., care Florists' Exchange.

WANTED, on a commercial place, man who understands propagating and rose growing. State wages wanted, with board. Dean & Co., Little Silver, N. J.

WANTED—Shipping clerk, one competent to pack, mark and make himself useful in a seed store; prefer one with experience. C. M., care Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, general all around seedsman; German with family, preferred. Address A. [illegible], care Florists' Exchange.

WANTED at once, sober, industrious night fireman for Hitchings hot water boilers, must thoroughly understand his business. Apply R. Asmus, New Durham, N. J.

WANTED—Plant man, thoroughly capable of taking charge of our mailing plant department. Steady position. References. The Livingston Seed Co., Columbus, Ohio.

WANTED, first class rose and carnation grower, single; strictly sober and correct habits. Address, stating experience, age, nationality, and wages expected. Idle Hour Nurseries, Macon, Ga.

WANTED, a man who has had experience in general stock and chrysanthemums. Wages to start, $20.00 per month and board. Apply Jacob Hauck, 86 South Grove Street, East Orange, N. J.

FLORIST wanted for roses, carnations, and general stock. Must be sober and industrious; good references required; good wages to party showing ability. Address C. Ponnett, 529 King St., Alexandria, Va.

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WANTED—Man who has thorough knowledge of greenhouse boilers and steam fitting, and capable of using a saw and hammer. None but sober, industrious men need apply. References. The Livingston Seed Co., Columbus, Ohio.

WANTED, man able to grow and bloom roses, carnations, violets, chrysanthemums, etc. Married man preferred; must be temperate and competent. Write, giving references and state wages wanted. Address A. E. Fancher, Binghamton, N. Y.

WANTED AT ONCE, rose grower; careful grower, sober, and thoroughly reliable man; one having had experience with American Beauty preferred. Apply, stating wages expected and giving references, to Robert Simpson, Clifton, N. J.

WANTED at once, a single young man for general greenhouse work. Must be a good worker, honest and obliging, and come recommended as to reliability and habits. Wages $20.00 per month with board and room. Address C. J., care Florists' Exchange.

WE WANT a young man familiar with botanical names for our office; must be a good speller, fair writer, able to use typewriter and to take dictation. Send testimonials as to ability and character. None else need apply. Reasoner Bros., Oneco, Florida.

WANTED at once, man experienced in greenhouse work and willing to be night fireman for about 6 weeks. Wages $11.00 a week. Address C. G., care Florists' Exchange.

WANTED, a young or middle-aged man of first-class ability and correct habits, as foreman in commercial nursery. One who thoroughly understands general nursery work. American preferred. Address, stating wages and previous experience, C. B., care Florists' Exchange.

BUSINESS OPPORTUNITIES

OLD ESTABLISHED florist business for sale, on east side New York City; over $7,000 worth of business last year. Good reasons for selling. Address C. C., care Florists' Exchange.

FOR SALE, one or three lots near large town which is increasing rapidly every year; on road leading to cemetery; excellent spot for good florist. Address C. D., care Florists' Exchange.

FOR SALE, bargain, 5,000 feet, modern greenhouses well stocked; paying well; railroad center; no competition for 20 miles; five acre garden. Home market for all. Best reasons. John Klink, Chicago, Ohio.

FOR SALE, a greenhouse plant of 4,000 square feet of glass, stocked with carnations and smilax, on a place of 24 acres; 10 in fruit. A good business and can easily be enlarged, near good markets. Address T. V. Pearson, Brockport, N. Y.

$50.00 will rent, from now until July 1st, three greenhouses of about 8000 square feet of glass; heated with hot water; benches filled with blooming roses; a small tenement house included, at Trenton, N. J. Owner died. Apply R. Messler, Ex., Trenton, N. J.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred. Parties who could run wholesale store would find it advantageous. Two or three may join, business is large enough. Terms easy. Address Mulford, Jefferson Park, Chicago, Ill.

TO LEASE, 40 years' established, 10,000 ft. of glass and one acre of land; good retail market, all stocked and in good running condition, near Philadelphia, Pa. For particulars address A. Milar, 395 Pawtucket Ave., Pawtucket, R. I.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

BOSTON.—Two teams composed of the "boys" in the wholesale, retail and growers' branches of the business rolled candlepins on the Boston alleys Wednesday evening, with the following result:

CHARNOCK'S TEAM.

	1	2	3	Total.
Charnock	79	83	76	238
Barrett	64	54	55	173
Sutherland ..	65	65	85	215
Harrigan ..	76	80	106	262
Norton	91	100	79	270
	375	382	401	1,158

NICHOLSON'S TEAM.

	1	2	3	Total.
Nicholson	100	86	82	268
Gilson	68	74	80	222
Brady	73	71	86	230
Flanagan	70	59	64	193
Roberts	66	77	57	200
	377	367	369	1,113

F. J. N.

Southport, Conn.

E. B. Jennings, the pansy specialist, has closed his greenhouses for the Winter. Reason: No coal to be had.

MISCELLANEOUS WANTS

WANTED, to buy 500 small Pandanus Veitchii and Dracaena Lindeni. Albert Fuchs, 2045-2059 Clarendon Ave., Chicago, Ill.

WANTED, lowest cash price on 100 Boston ferns from 7 or 8-inch pots, must be long and full. Anderson & Christensen, Short Hills, N. J.

WANTED

We solicit quotations on plants of

Rose Liberty,

on own roots as well as budded or grafted

The Dingee & Conard Co., West Grove, Pa.

Mention the Florists' Exchange when writing.

Here You Are for Bargains

One Rider Hot Air Pump No. 6; in use by the Government 15 days only. Price, $110.00.

One Rider Hot Air Pump No. 8, in use by the Government one year. Price $125.00.

One Hitchings No. 16 Boiler, guaranteed good order. Price, $50.00.

One Scollay Boiler No. 5. Price $40.00.

500 new glazed Hot Bed Sash, 3 rows of 10 in. glass, $1.65 each.

500 second-hand Hot Bed Sash, 6 in. glass, $1.00 each. $90.00 per 100.

Glass, 10x12, 10x12, $2 [illegible] per box. 10x14, 8x10, double thick French, all clear, not broken, second hand, $2.75 per box.

50 Wooden Wheelbarrows, freight paid, $1.45 each.

Shovels, Spades, Axes, etc., $5.00 per doz. Will assort if wanted.

Second-hand seasoned Lumber, at all times. Also Plumbing Tools, second hand.

New 5-ply Hose, 5½ cts. per ft.

Wrought Iron Pipe, blackened, threaded, guaranteed sound, ¾ in., 3 cts. per ft.; 1 in., 3½ cts. per ft.; 1¼-in., 4½ cts. per ft.; 1½-in., 6 cts. per ft.; 2 in., 8 cts. per ft.

Cash with order, please.

We only hold these goods a short time at these prices. Write quick.

WE BUY greenhouses [illegible] down. Also all kinds of tools, etc.

MANHATTAN SUPPLY CO., 39 Park St., **New York**

Mention the Florists' Exchange when writing

Printing..

We are outfitted to do everything in this line required by the florist, the seedsman and the nurseryman, from an envelope to the most stylish kind of a catalogue. Write us. . .

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Ready Now. Ethel Crocker, Cressbrook, Gaiety, Enquirer, Morning Glory.

February and March Delivery. Queen Louise, Alba, Her Majesty, Adonis, Apollo, Prosperity, Roosevelt, Mrs. Higinbotham, Mrs. E. A. Nelson.

Send a list of what you want, stating number of each variety and when they are to be delivered.

ALBERT M. HERR, Lancaster. Pa.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS 344,000 Ready Now

1000 California Rooted Cuttings are worth 2000 Eastern Rooted Cuttings.

	Per Doz.	Per 100	Per 1000
Gov. Wolcott, white	$0 60	$4 00	$35 00
Alba, white	60	4 00	35 00
Golden Beauty, yellow	60	4 00	35 00
Violiana, variegated—very nice	1 25	9 00	75 00
Mrs. Palmer, scarlet	60	4 00	35 00
Mrs. Higinbotham, light pink	60	4 00	35 00
J. H. Manley, scarlet	60	4 00	35 00
Viola Allen, variegated	60	4 00	35 00
Gaiety, fine variegated	60	4 00	35 00
Harry Fenn, crimson	60	4 00	35 00
Apollo, scarlet	60	4 00	35 00
Dorothy Whitney, yellow	65	4 50	40 00
Stella, Dorner's variegated	60	4 00	35 00
Corbett, salmon	40	3 00	25 00
Dorothy, pink	40	2 50	15 00
Chicot, white	50	3 00	25 00
Prosperity, white-splashed pink	35	2 50	20 00
Norway, white	30	1 50	10 00

	Per Doz.	Per 100	Per 1000
Governor Roosevelt, maroon	$0 35	$2 00	$15 00
Lorna, white	30	1 50	10 00
Gold Nugget, yellow	30	2 00	15 00
Mrs. Lawson, pink	30	2 00	15 00
Bon Homme Richard, white	30	2 00	15 00
Egypt, maroon	30	2 00	15 00
Queen Louise, white	30	2 00	15 00
G. H. Crane, scarlet	15	1 00	10 00
Genevieve Lord, light pink	15	1 00	10 00
Evanston, red	15	1 00	8 00
Tidal Wave, pink	15	1 00	8 00
Mrs. F. Joost, pink	15	1 00	10 00
Mermaid, salmon, fine	15	1 00	7 00
Portia, scarlet	15	1 00	10 00
Wm. Scott, pink	15	1 00	7 00
Argyle, pink	15	1 00	7 00
El Dorado, yellow	15	1 00	7 00
General Maceo, maroon	15	1 00	10 00

Write for prices on large lots. 6 at 12 rates, 25 at 100 rates, 250 at 1000 rates.

Terms, SPOT CASH, prepaid to your city at above prices. All rooted cuttings sold under express conditions that if not satisfactory on arrival, return immediately, when money will be refunded.

CALIFORNIA CARNATION CO., Loomis. Cal.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000
Lawson	$2 00	$15 00
Enchantress	12 00	100 00
Guardian Angel	1 25	10 00
Dorothy	1 25	10 00
Joost	1 25	10 00
Genevieve Lord	1 25	10 00
Nelson	$4 00	$30 00
Cressbrook	4 00	30 00
Triumph	1 25	10 00
Marquis	1 25	10 00
Higinbotham	5 00	40 00
Morning Glory	2 00	15 00

RED.

	Per 100	Per 1000
Adonis	14 00	120 00
Harlowarden	12 00	100 00
Estelle	4 00	30 00
Crane	2 00	15 00
America	1 25	10 00
Palmer	4 00	30 00
Mrs. L. Ine	1 25	10 00
Chicago (Red Bradt)	2 00	15 00

WHITE.

	Per 100	Per 1000
Flora Hill	1 25	10 00
Queen Louise	2 00	15 00
Peru	1 25	10 00
White Cloud	1 25	10 00
Murphy's White	6 00	50 00
Norway	1 25	10 00
Bon Homme Richard	1 25	10 00
Hoosier Maid	1 25	10 00

VARIEGATED.

	Per 100	Per 1000
Bradt	2 00	15 00
Prosperity	2 00	15 00
Gaiety	2 00	15 00
Armazindy	1 25	10 00

ROSES Well Rooted Cuttings Strong and Healthy

	Per 100	Per 1000
Bride	$1 50	$12 50
Bridesmaid	1 50	12 50
Perle	1 50	12 50
Golden Gate	$1 50	$12 50
Ivory	3 00	25 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

WHITE CARNATION MARION

Business all the year around.

ROOTED CUTTINGS, January 15th and after; $5.50 per 100; $45.00 per 1,000.

PIPS OF DORA, now at $2.00 per 100. Cash with order.

ISAAC A. PASSMORE, Westchester, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

Genevieve Lord, $1.50 per 100
Morning Glory, - 1.50 per 100
From 2-inch pots.
Flora Hill, - - $2.00 per 100

JEWETT CITY GREENHOUSES
JEWETT CITY, CONN.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	100	1000
Prosperity	$4 00	$35 00
Roosevelt	3 00	25 00
Cressbrook	5 00	40 00
Mrs. Bradt	4 00	35 00
Mrs. Joost	$1 50	$12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	3 00	30 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50

We have some very early Wm. Scott and Flora Hill in soil for Summer blooming, $12.00 and $15.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100
J. H. Manley	$6 00
Harry Fenn	6 00
Gov. Wolcott	5 00
Mrs. Lawson	3 00
Goodenough, white	2 50
Morning Glory	2 00
Gen. Maceo	1 50
Mrs. Joost	1 50

SIDNEY LITTLEFIELD,
NORTH ABINGDON, MASS.

Mention the Florists' Exchange when writing.

CARNATIONS

Carnations at L. E. Marquisee's.

A visit to the home of The Marquis, and a pleasant chat with the originator, Mr. Marquisee, of Syracuse, N. Y., are always of interest. On mentioning how many men I had met, who, failing to find a new carnation the first season not up to their expectations, had thrown it out and pronounced it worthless, Mr. Marquisee said: "That is radically wrong. I always try my new carnations three years at least before I will pronounce one worthless. Would a farmer pronounce a new variety of corn valueless because it did not come up to his expectations the first year? No; another field, with different soil, would be tried. That is just the way it should be with carnations. Too many people do not give enough attention to the kinds of soil required for different varieties. Then, the temperature is another matter of great importance. For example, Mrs. Thos. W. Lawson variety requires 55 degrees, whereas 45 to 50 degrees is right for The Marquis."

Mr. Marquisee is to be highly commended for not distributing his variety Empire State. This means quite a loss to him financially, for, after growing it for four years, and having orders for 30,000 cuttings without advertising it, means that he will send our only something that is really good.

The long-continued wet weather of last Summer does not seem to have affected his seedlings, of which there are four of special merit. There has not been a sign of stem rot in any of them. His seedlings have an individuality of their own—magnificent foliage and an upright growth, with long, stiff stems, and every shoot carries a flower. Of the four seedlings that I was much impressed with, one is a white, larger than Empire State; a perfect flower, on stiff stems that hold the blooms well up. It has a very pleasant clove fragrance, and is a free bloomer. One great advantage with this variety is that it will do well in either a high or low temperature and commences to flower early in the season, continuing till thrown out. Taken all in all, it is the finest white carnation I have seen. Another is a scarlet, and it certainly

The American Carnation

How To Grow It

A Standard Work Written by Request of the Publishers of the Florists' Exchange.

By C. W. WARD

THE CARNATION in America has reached a status and importance in the florist's industry possessed by no other flower of modern times, and a practical work on the subject of the cultivation of the plant has become an urgent necessity. This want is fully and completely met in the present volume, which furnishes the results of years of actual experience of the author, who is recognized as being among the foremost of carnationists in America. The scope of the book will be gleaned from the subjoined table of contents:

History and Development of the Carnation—The Carnation in America—The Commercial Importance of the Carnation Industry—The American Carnation Society—Use of Carnations as a Decorative Flower—General Greenhouse Culture—Soils—Manure and Fertilizers—Propagation and Shipping of Young Stock—Treatment of Young Stock preparatory to Planting Out—Field Culture—Lifting and Planting Carnations from the Field—Treatment after Benching—Picking, Packing and Shipping Carnation Flowers—Insects and Preventives—Diseases and Injuries—Packing and Shipping Field-grown Plants—Forcing Houses for Carnations—Bench Construction—Sub-irrigation—Heating Carnation Houses—Carnations for Summer blooming—Bedding and Hardy Carnations—Carnations for Pot Culture—Raising Carnations from Seed—Cross breeding and Fertilizing—Varieties—Sports and Variations—The Ideal Carnation—Traits and Peculiarities—Various Classifications of the Carnation—List of Varieties for Different Localities—The Future of the Carnation—Its Commercial aspect and Prices—Who shall engage in Carnation Growing—Does it Pay to do things Well—Calendar of Operations—Carnations in California, Canada, in the West, the East, the South.

It will at once be seen that a work of this nature should be in the hands of every florist and others interested in the subject who desire to keep abreast of the times, and to make the growing of carnations, by the most modern methods, a profitable part of their business.

The Book is profusely illustrated by original engravings from life made specially for this work, with four colored plates. Handsomely printed from large, clear type on fine enameled paper. Quarto, cloth. Price, $3.50.

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CARNATION CUTTINGS Now Ready

We can ship **at once** well-rooted cuttings of the following varieties, **Free from Disease** and **First-Class** in every respect. **NONE BETTER** and seldom equaled, and if not found satisfactory you have the privilege of returning all cuttings:

☛ WRITE FOR QUOTATIONS AND CATALOGUE.

Enchantress, Mrs. Thos. W. Lawson, Golden Beauty, Governor Roosevelt, Governor Wolcott Apollo, Harry Fenn, E. A. Nelson, Morning Glory, Dorothy Whitney, Estelle, Queen Louise, Prosperity, White Cloud, Stella, Guardian Angel, Mrs. Potter Palmer, Lorna, Mrs. Higinbotham, Gaiety, J. H. Manley, Dorothy, Viola Allen, Mrs. F. Joost, The Marquis, G. H. Crane, Enquirer, Cressbrook, Adonis, Lillian Pond, Pres. McKinley, Mrs. Theodore Roosevelt, Tiger.

J. D. THOMPSON CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

is a beauty—a very free bloomer, each flower on a long, stiff stem that shows it off to great advantage. A vase of these flowers, picked for an order, was a sight to look upon, being brighter than anything I have yet witnessed in scarlets. This sort is also an early and continuous bloomer. The third is a beautiful shade of pink, quite unlike anything yet sent out. It is beautifully and delicately penciled. The flowers are not extra large—3 to 3½ inches; but it will make a splendid flower for design work, being just the color that can be used in most any design, not clashing with other colors. The last is a yellow, very deep and showy, with the edges of the petals fringed with deep pink. The bloom is quite fragrant, and a fine flower borne on stiff stems.

Mr. Marquisee is propagating all he can for the purpose of disseminating these seedlings in the near future.

H. Y.

CALENDARS RECEIVED,

We acknowledge receipt of calendars for 1903 from the under-noted firms:

E. C. BROWN & CO., Rochester, N. Y., manufacturers of spray pumps.

CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

HOPE GREENHOUSES (Florence A. Willard), Providence, R. I.

New Pink Carnation

$UCCE$$

'That's the way you'll spell "SUCCESS" when at the end of the season you sum up your profits.

"SUCCESS" will pay more per square foot than any other carnation grown.

Rooted cuttings, $1.50 per doz.; $2.50 per 25; $8.00 per 100; $70.00 per 1000. For Sale by

HENRY F. MITCHELL, Philadelphia, Pa.

JOHN G. SHOLL, Burlington, N. J.
Dept. C.

Mention the Florists' Exchange when writing.

Murphy's White Carnation

is proving itself a paying commercial white. It was in full crop for the Holidays. Has been in continuous crop since August. We do not claim a Fancy, but the best paying White on our market to-day, as a keeper, as a producer, seller and shipper. It is all we claim for it. We are booking orders now for February 1st to 15th delivery. First-class cuttings and satisfaction guaranteed, or money refunded. Place your order with S. S. Skidelsky, traveling salesman, or J. Gammage & Sons, London, Ont., Canadian agents, or send direct. $6.00 per 100; $50.00 per 1000; $45.00 per 1000 in 5000 lots; $40.00 per 1000 in 10,000 lots.

Wm. Murphy, Wholesale Carnation Grower
130 E. Third St., Cincinnati, Ohio

Mention the Florists' Exchange when writing.

CARNATIONS

	100	1000		100	1000
Crocker	$1.25	$10.00	**Joost**	$1.50	$12.50
Scott	1.25	10.00	**Hill**	2.00	15.00
Marquis	1.50	12.50	**White Cloud**	2.00	15.00
Daybreak	1.50	12.50			

No. 1 Selected Cuttings. Cash with order.

Union Street Greenhouse Co., Geneva, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$4 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Apollo	4 00
Glacier	1 50	Mrs. Bradt	2 00
Flora Hill	1 50	Cressbrook	4 00
Gov. Wolcott	4 00	Gaiety	3 00
Estella	3 00	Mrs. F. Joost	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

Carnation Cuttings

Well rooted. Now ready for immediate delivery.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	3.00	25.00
Roosevelt	3.50	30.00
Palmer	5.00	45.00
Higinbotham	6.00	50.00
Prosperity	3.50	30 00
Morning Glory	2.00	15.00

Liberal discount on large orders.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00
Mrs. Bradt,	2.50	20.00

250 at 1000 Rates

BOSTON FERNS.

2¼ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS CARNATIONS and ROSES

CARNATIONS

	Per 100	Per 1000
Flora Hill	$1.50	$12.50
White Cloud	1.50	12.50
Norway	1.50	12.50
Mrs. Lawson,	1.50	12.50
Sport	1.50	12.50
Guardian Angel	1.50	12.50
America	1.50	12.50
The Marquis	1.50	12.50
Mrs. Potter Palmer	1.50	12.50

ROSES

OUT OF 2½-INCH POTS

	Per 100	Per 1000
La France	$4.00	$35.00
Kaiserin	3.50	30.00
Ivory	4.00	35.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Meteor	2.50	20.00

IVORY CUTTINGS, $2.50 per 100; 20.00 per 1000.

WIETOR BROS., 51-53 Wabash Ave., Chicago, Ills.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2 50	Bride	$1.50	Meteor	$1.50
Perle	2.50	Bridesmaid	1.50	Golden Gate	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	Mrs. Lawson	$2.00	G. H. Crane	$2.00
Flora Hill	1.50	The Marquis	1.50	America	1.50
Gov. Wolcott	5.00	Cressbrook	4.00	Adonis	14.00
White Bradt	12.00	Floriana	4.00	**MAROON.**	
Norway	2.00	Enchantress	12.00	Gen. Maceo	1.50
Lillian Pond	10.00	Morning Glory	2.00	Roosevelt	2.00
		STRIPED.			
		Gaiety	4.00		
		Prosperity	3.00		

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

ROSES ROOTED CUTTINGS

	Per 100	Per 1000		Per 100	Per 1000
Bridesmaid	$1.50	$12.50	**Golden Gate**	$1.50	$12.50
Bride	1.50	12.50	**Helen Gould**	3.00	25.00
Perle	1.50	12.50	**Oliver Ames**	3.00	25.00

2½-inch POT PLANTS

	Per 100	Per 1000		Per 100	Per 1000
Bridesmaid	$3 00	$25 00	**Meteor**	$3.00	$25.00
Bride	3.00	25.00	**Helen Gould**	6.00	50.00
Golden Gate	3 00	25.00	**Oliver Ames**	6.00	50 00
Perle	3.00	25.00			

CARNATIONS

ROOTED CUTTINGS

Variegated.

	Per 100	Per 1000
Prosperity	$1.50	$12.00
Gaiety	1.50	12.00

Pink.

	Per 100	Per 1000
Enchantress	12.00	100.00
Mrs. Lawson	2.00	15.00
Dorothy	2.00	15.00
Guardian Angel	1.25	10.00
Ethel Crocker	1.25	10.00
Mrs. Joost	1.00	8.00
The Marquis	1.00	8.00

White.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Flora Hill	1.25	10.00
White Cloud	1.25	10.00
Norway	1.25	10.00

Red.

	Per 100	Per 1000
Adonis	14.00	120.00
Palmer	4.00	30.00
America	1.50	12.00
G. H. Crane	1.50	12.00

All clean, healthy stock and well rooted. Unrooted cuttings at half of the above prices.

GEO. REINBERG, 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.
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Orders from unknown parties must be accompanied with cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
Advertising, Random Notes on.... 53
American Carnation Society....... 60
Bowling 57
Briefs for Busy Florists.......... 63
Brooklyn, N. Y., Hotels.......... 60
Calendars Received.......... 59
Canadian News.......... 64
Carnations at L. E. Marquisee's.... 58
Cement in Greenhouse Construction (Illus.).......... 62
CATALOGUES RECEIVED:
  Burpee's Farm Annual, Thorburn & Co.'s, Dreer's Garden Calendar 53
Changes in Business.......... 64
Express Rates on Cut Flowers...... 60
Fires 64
Firms Who Are Building.......... 61
Glass, Acid-dipped.......... 61
Market Review.......... 64
New York Botanical Garden........ 63
New York Florists' Club.......... 62
Nursery Department.......... 54
OBITUARY:
  John Peed, Charles Winter, S. B. Smiley, Wm. Streuber, C. M. Ravier, John Dick.......... 60
  F. L. Harris.......... 61
"Peony Association of the S. A. F." 60
Question Box.......... 62
Reflections on Current Topics....... 61
Seed Trade Report.......... 53
Snapdragons 63
Tarrytown Horticultural Society... 65
TRADE NOTES:
  Baltimore 54
  Chicago, Cleveland, Madison, N. J., New York, Omaha, Pittsburg 65
  Indianapolis 66
  Boston, Bridgeport, New Haven, Providence 68
  Buffalo, Cincinnati, Poughkeepsie, Detroit, San Diego, Tuxedo, N. Y.......... 69
  Orange, N. J.......... 71

Congress having placed coal on the free list will tend to relieve the situation to some extent, although it will be some time before any real benefit is felt.

In the year 1902 the congressional distribution of Farmers' bulletins numbered 4,289,126 copies out of a total of 6,150,000. The total appropriation for the preparation and printing of the bulletins was $107,500.

Express Rates on Cut Flowers.

We are in receipt of the subjoined communication on this subject from the chairman of the S. A. F.'s legislative committee, Mr. John N. May:

Editor Florists' Exchange:

The excessive express rates on cut flowers do not appear to interest the florists generally throughout the country, judging from the few protests received up to last Saturday, January 10. Twelve letters only have been received; although notices were printed in each of the three trade papers one week prior to above date. This would certainly indicate that the florists, as a body, do not object to pay the excessive rates now being charged, and is plain proof that they would rather pay sixty-five to seventy per cent. more daily for expressage on the flowers they may be shipping, than trouble to write half a dozen lines of protest, costing them at most four cents.

A committee has been appointed by the president of the S. A. F. to take up the matter at headquarters here in New York; and the invitation for protests, sent out through the trade press as above stated, was a preliminary work necessary for the said committee to have something definite to work upon. The subject certainly would appear to be of sufficient interest to the florists, one and all, to do something, and that something cannot well be less than to write a couple of letters, one for use in New York by the committee, the other to the superintendent of the express company in the city nearest to where each florist is located.

Furthermore, if any concession is to be gained, every florists' club, as a body, should take up the matter at once, and make a vigorous protest to each company in its respective city.

Thus by united action something may be accomplished; but it is useless to suppose the express companies will take any notice whatever of a dozen protests.

In conclusion, if florists want the rates reduced they should act at once, or the matter will fall flat; and the first thing we know another jump in rates will follow. Get your protest in immediately; make it as short and concise as possible, but let it be an emphatic protest.

JOHN N. MAY.
55 W. 26th St., N. Y. City.

The necessity of complying with the request of Mr. May, and that at the earliest moment, should be patent to all. Assistance can only be rendered by the national society and made effectual when its endeavor for redress is backed by the individual effort of the members of the trade of the whole country, whose interests are involved.

The matter of express rates was discussed by the New York Florists' Club on Monday evening last, when some important information was supplied by ex-President O'Mara, who has been exerting himself in the premises and already has had personal conferences with the express companies relative thereto. We direct the attention of our readers to Mr. O'Mara's remarks given in another column. It will be seen that, with the data in his hands, from the viewpoint of the florists, and the statements made by the express companies, he considers the case of the cut flower shippers not a particularly strong one. Protests on the grounds of mere sentiment, he believes, will not carry much weight. It must be shown to the companies that the exorbitant rates now prevailing will result in a loss of traffic to them, which will be diverted to other channels of conveyance, should no relief be forthcoming. Such a presentation of the case would be the most potent favorable factor in the hands of the committee; and it was a similar condition confronting the companies that influenced them in making the reduction in the express rates on plants when that subject was under consideration.

It is claimed by the express companies that heretofore cut flowers have been carried by them at a loss, which was annually becoming greater on account of the increase in business on same, the augmented risk incurred, and the consequent addition to the number of resulting claims for damage and from other causes. The advance in the rates was made, the companies state, to offset the contingent adverse conditions necessary to be met.

On the other hand, the trade can justly advance poor service, resulting in vexatious and damaging delays, creative of financial loss; careless handling of cut flowers, especially in Winter; unsettled and disputed claims; the smashing of returned empty receptacles, and other evils in dealing with express companies and their employees. And while the increase in the rates comes at a most inopportune time, when the fuel question is having its disastrous effects on the business, that fact is not likely to carry much weight in any demand for relief from excessive expressage charges.

All unpaid claims against express companies, of whatsoever nature, with full particulars, should be placed in the hands of the committee, and other data of a material character that will strengthen the case of the florist. But the most potent agency of all, looking to redress, will be a demonstration of the fact that the services of the express companies as carriers of cut flowers can be dispensed with, at no additional cost or inconvenience to the shippers.

That Peony Association of the S. A. F.

Harking back to the so-called "Peony Association of the S. A. F." it is observed in the Proceedings of the Society for 1902 that "a peony enthusiast, located near the executive officers of the Association, who is not in anyway interested in commercial floriculture, has promised to form a Peony garden on his private estate, and allow his gardener to cultivate and look after the collection for the benefit of the Association. This removes all possibility of bias," etc.

Here in so many words we have the integrity and honesty of the whole of the commercial growers of peonies in the United States impugned. The alleged association must of necessity go outside of the commercial growers with the work it proposes to undertake to "remove all possibility of bias," the deduction being that the stigma of "bias" would attach to the result of tests made by the commercial man! This surely is placing the "ornamental horticulturist" on the pinnacle of probity to the disadvantage of his professional brother with a vengeance. Never was a greater insult openly directed against the American florist and nurseryman, and that it should find its exploitation in the proceedings of our National Society is the most regrettable part of it.

Whatever the objects of those responsible for unwarranted assumptions of the character referred to, the S. A. F. O. H., willingly or unwillingly on the part of those held to account for the appearance of an attack on the good name of the craft in the records of the Society, has been made a party to something far from creditable or beneficial.

A duty lies before the president of the Society to annul the entire work so far of the "peony committee," and he should perform it without further delay.

American Carnation Society.

Railroad Rates.

In connection with the meeting of the society to be held in Brooklyn, N. Y., February 19 and 20 next, the railroads in the Trunk Line Association have granted a rate of fare and one-third for the round trip, contingent on an attendance of not less than 100 delegates who have paid not less than 75 cents on going journey. Tickets (and certificates) may be purchased not earlier than February 16 and not later than February 20, except from places where it is possible to reach the place of meeting by noon of February 20, when tickets may be sold for morning trains of that date. A fee of 25 cents will be collected for each certificate validated.

The New England Association, Central Passenger Association, Southeastern Passenger Association and Western Passenger Association, as well as the Canadian lines, have been asked to co-operate, the latter in reduction from Canada east of and including Toronto.

Obituary

John Peed.

John Peed, senior member of the firm of John Peed & Son, of Roupell Park Nurseries, Norwood Road, London, S. E., died on December 24, aged 72 years. The deceased had been in the gardening business all his life, and his firm did a large American trade.

Charles Winter.

Charles Winter, a florist of Mansfield, Mass., and a frequent exhibitor at the shows of the Massachusetts Horticultural Society, died January 10, after a lingering illness.

Samuel B. Smiley.

Samuel B. Smiley, Lancaster, N. Y., was found dead in the boiler room of his greenhouse establishment, on the morning of January 9, by his wife. Mr. Smiley's death was due to heart disease.

William Strueber.

William Strueber, one of the best known German residents of Oshkosh, Wis., died suddenly at his home, 133 Eveline street, Sunday afternoon, of heart disease. Decedent was 73 years of age and was until recently engaged in the florist's business.

Claudius M. Ravier.

Claudius M. Ravier, of Mobile, Ala., died Friday afternoon, January 9. He was one of the pioneer florists of Alabama. The deceased was born in France and for some years was a student in the botanical gardens of Paris. He occupied positions in the United States in New York, Rochester and New Orleans, commencing as a florist in the latter city in 1869. Six years later he went to Mobile. A widow, three sons and one daughter survive him.

John Dick.

John Dick, Sr., one of the pioneer florists of Philadelphia, died on Tuesday last, January 13, aged 88 years. He was born in Edinburgh, Scotland, and came to this country in 1836. From 1838 to 1841 he was in partnership with James Ritchie at American and Oxford streets. He then started a place of his own at Fifty-third and Woodland avenue, and for many years was noted as a grower of camellias and hardy roses. At one time he opened a seed store at 135 Market street, and later conducted a retail flower store at 1,723 Chestnut street. He acquired considerable real estate, and had practically been out of business for 15 years.

DAVID RUST.

Brooklyn, N. Y., Hotels.

NAME.	LOCATION.	PLAN.	RATES
The Pierrepont	Montague and Hicks Sts	American (two or more in a room). each,	$2 25
		" (man and wife) each,	2 50
Clarendon	Washington St	European (single)	2 00
		" (two in a room)	3 00
St. George	Clark Street	American (two in a room) each,	3 00
Astor House	Broadway, New York	European (single)	1 50
		" (double) $2 00, $2 50,	3 00
		" (two beds in a room) $1 00, $1 50,	2 00
Broadway Central	667 Broadway, New York	American and European	$1 00 and upwards

Delegates desiring that hotel accommodations be reserved for them should address the chairman of the Brooklyn Horticultural Society's reception committee, Mr. Charles G. Weeber, 25 Willow place, Brooklyn, N. Y., as early as possible.

It would greatly facilitate the work of the reception committee in handling the delegates if, as far as possible, they would endeavor to come in parties; and if each also would advise Mr. Weeber of the train and the depot in New York City at which he will arrive, so that all can be met and escorted to their respective hotels.

Fred. L. Harris.

Fred L. Harris, of Wellesley, Mass., passed away on Sunday, January 11.

Mr. Harris leaves behind him one of the greatest horticultural monuments in the country, in the beautiful world-famed Hunnewell estate, where the deceased was gardener for over forty years, from which position he retired about two and a half years ago.

Mr. Harris was born in Upway, England, on December 30, 1822. After a long apprenticeship, and having acquired a thorough knowledge of his chosen profession, derived at some of the finest estates and gardens in his native country, he came to America, settling first at St. John, New Brunswick, in 1850. He went to the late Mr. H. H. Hunnewell in 1853, when began the transformation which converted acres of woods into the finest and best laid-out garden in the country. Mr. Harris, then a young man, took hold of this immense undertaking, and through his experience, taste, tact and love of the beautiful in nature succeeded to a degree beyond the expectations of the most vivid imagination. It would be vain to try at this time to tell of his capabilities. They are known to all.

From that time the Hunnewell estate became the school and Mr. Harris the teacher for scores of younger gardeners, who have later made their mark in the horticultural world; and all without exception agree that to Mr. Harris is due much of the credit, so that witnesses to his handiwork exist in all parts of this section. Mr. Harris was always interested in young men who showed they had the "right stuff" in them, and was of great assistance to them. Under his care the Hunnewell place improved rapidly and all who visited it during the Boston convention will recall with pleasure the happy day spent there. Pleasant, kindly and entertaining, he was always ready and pleased to have visitors.

Deceased married in 1862, and had two children, one of whom, Fred L., Jr., survives him.

After more than forty years in service Mr. Harris retired in the Summer of 1900, and shortly after was attacked with a lingering illness, from which he never fully recovered. As stated, on Sunday morning he died, having survived the late Mr. Hunnewell, who reached the ripe age of 91, but a few months.

Funeral services were held at his late home, Tuesday, at 2:30 p. m., and were well attended by neighbors and a large turnout of gardeners and florists, who came from far and near to pay their last respects to him they loved so dearly. Very fine music was rendered by a quartette, and an impressive eulogy preached by the clergyman. The remains were taken for burial to the family lot at Natick, where Mr. Harris rests beside his late wife.

The floral tributes were numerous and very fine. The Horticultural Club sent a choice wreath of violets and lily of the valley.

F. J. N.

Reflections on Current Topics.

MR. EDITOR: I've had another rude awakening. This time by my wife. Will you, sir, and the gentle reader bear with me while I narrate the circumstance?

I had just settled down to a comfortable siesta, after an unusually heavy dinner, consequent on receipt of the remittance of one of your pittances for "work well done," for which, thanks, when Mrs. Job, who is a lover of high-class literature (that is why she reads the three florist trade papers), looked up from the pages of the January 10 number of your ancient Western contemporary, and exclaimed, somewhat sharply: "Job, now, like these Philadelphia scribblers, you've opened your mouth and put your foot in it at last."

"What's the matter, my dear?" I drowsily questioned. "My mouth, like Mercutio's wound, is hardly so wide as a door; and I wear a number ten shoe."

"Why, here some fellow, far back in the row, is calling you all sorts of names—a fly, a gnat, a mosquito, a donkey, a monkey, a wart, and a boil," said she.

"Read it, please." And she did, adding, "the man who wrote that is a gentleman and a scholar."

"Well, now," said I, in the language of my erudite friend, Fritz Blumenschneider, "I must have one or more sore spots touched, and rubbed it in, to make so smart dose fellows," that they should thus style me a walking menagerie of pestilential parasites, simian and asinine curiosities, and a circumambulating museum of anatomical afflictions, and so forth. And as Holy Willie soliloquized, so did I.

"What am I, or my generation,
That I should get such exaltation!"

"You take it mighty cool," said Mrs. Job. "Why, I'd be madder than a wet hen."

"What's the use? it's harmless. 'Come, let us reason together,' and you'll find the characterizations not half so bad as they were intended to be."

"Take the mosquito first. Scientists have proven it a useful, a very useful insect; and if it's the female kind that I am likened to, so much the better. She performs a duty to mankind in singing around them and keeping them guessing as to where she will alight next."

"You say the 'Lastman' states I alighted on 'Lonsdale's bald spot.' That must be the 'leviathan of horticulture' who contributes 'Notes and Comments' to the funny column of another paper, and signs 'E. L.' The same 'leviathan,' I take it, who indites state documents on greenhouse management of a platitudinal nature, to be distributed for nothing, thus depriving the trade papers of legitimate business, and raises the deuce when 'national and other organizations' give away for publication the essays written gratis for them. A man named Watson commends E. L. for his generosity; E. L. himself condemns the societies, and rails at the editors for grabbing their 'only asset.'"

"Funny, ain't it?" said she. "It is," said I.

"You say they also call me a gnat. Now, that's a very formidable insect. You've read of some folk who 'strain at a gnat and swallow a camel.' That's like the S. A. F.; it wrestles till it's red in the face with the poor old peony and lets the coal question go to blazes."

"What's the next similarity? Oh, yes, the donkey. Well, now, you remember the long-eared quadruped that Balaam rode. Wise in his own conceit, Balaam lambasted the poor ass, till it actually roared a warning, and the false prophet's life was saved. The Balaams are not all dead yet, and there is still need for an ass. I hope to remain one—of this character—till gathered to my sires.

"Acquaintance with Kipling, did you say, and a member of the monkey tribe? Why, yes; I once aped Kipling in the columns of The Florists' Exchange by writing a poem (?) on 'The Fool.' Some eminent writer had written himself down 'The Fool,' and we all gave him credit for having a wonderful knowledge of himself. Certainly; Rudyard and I are intimate friends; it is well to remind us, in whatsoever manner, of the fact, 'lest we forget.'

"Next? Oh, yes. 'A wart on the trunk, or a boil on the neck of the trade,' they call me. As my 'gibberings, jeremiades,' etc., seem only to disturb the equanimity of two individuals, these twain must consider themselves 'the trade'—one the trunk, the other the neck. Now that reminds me of one of Aesop's fables, about the fly that sat on the axle of the chariot wheel and exclaimed, 'What a dust I do raise!' But even warts, boils, and other excrescences, facial or otherwise, are beneficial. They demonstrate very forcibly a constitutional derangement of some organ of the anatomy upon which they appear. And if my premises regarding the constitution of the trade is correct—then, in the words of Hamlet, was it? 'There's something rotten in the State of — Pennsylvania'?"

"They want to know how you eat, too," said Mrs. Job.

"Well, now, that's pretty personal. But it calls to mind the following story: Georgie said to his sister's admirer one day: 'Mr. Staylong, let me see you drink.' 'Why do you make that request, Georgie?' 'Oh, because my mamma says you drink like a fish.'

"How do I eat? Just like other donkeys. 'Lastman' will have no difficulty in ascertaining how, if he'll take a look in the mirror the next time he's at the

JOB."

Acid Dipped Glass.

Editor Florists' Exchange.

Referring to question No. 2 in your last week's issue, acid dipped window glass is glass dipped in a preparation of different acids to remove the smoke on the glass when it comes out of the flattening oven. All large factories now dip their glass, and only a few small concerns cannot afford to have a tub on account of the expense. Glass not dipped is smoky, whereas dipped glass is clean and has a brilliant surface.

C. S. WEBER & CO.

New York.

Editor Florists' Exchange:

Acid dipped glass is glass dipped in hot acid. This is done to remove the dirt and does not improve the quality of the glass.

DURHAMVILLE GLASS WORKS.

FIRMS WHO ARE BUILDING.

RUSHVILLE, MD.—George F. Moore will erect two new greenhouses the coming Spring.

CHESTER, PA.—Emil Leiker has begun the erection of an additional greenhouse, 25 x 100 feet in size.

WESTFIELD, MASS.—S. E. Barton will build a large greenhouse upon land recently purchased by him.

The board of regents of the University of Idaho have appointed Lowell B. Judson, of Lansing, Mich., to fill the chair of horticulture in the university and horticulturist of the experiment station, made vacant by the resignation of Professor F. A. Huntley. Mr. Judson is a graduate of Harvard A. B. course, and from the Michigan Agricultural College, where he specialized in horticulture for several years.

INDEX OF ADVERTISERS

Allen J K ... 67
American Bulb Co ... 52
Amling E C ... 69
Anderson & Christensen ... 55
Andorra Nurseries ... 53
Aschmann G ... 55
Bader J ... 55
Baker W J ... 68
Barr B F ... 56
Bassett & Washburn ... 59
Bayersdorfer H & Co ... 72
Beckert W C ... 51
Berger H H & Co ... 51
Bernheimer E ... 68
Berning H G ... 69
Blaauw J & Co ... 54
Black C ... 54
Bobbink & Atkins ... 49
Bock W A ... 55
Bonnot Bros ... 67
Boston Letter Co ... 70
Bradshaw & Hartman ... 67
Briarcliff G'houses ... 66
Brown Bros Co ... 54
Brown E C & Co ... 70
Brown P ... 56
Burgevin P J ... 55
Burpee W A & Co ... 50
Byer Bros ... 66
Caldwell, the Woodsman ... 66
Cal Carn Co ... 52-58
Canadian Advts ... 64
Carmody J D ... 71
Central Mich Nurs ... 66
Chicago Carn Co ... 57
Childs J L ... 50
Chinnick W J ... 54
Clucas & Boddington ... 49
Conard & Jones Co ... 55
Connell Benj ... 56
Cottage Gardens ... 57
Cowee A ... 52
Cowee W J ... 70
Cowen's N Sons ... 72
Craig R & Son ... 55
Crooke J J Co ... 66
Crowl Fern Co ... 69
Cunningham J H ... 56
Cut Flower Ex ... 67
Davis A B & Son ... 57
Deamud J B ... 69
Deming Co ... 70
Dietsch A & Co ... 71
Diller, Caskey & Co ... 72
Dillon J L ... 56
Dillon G'house Mfg Co ... 71
Dingee & Conard Co ... 57
Dorner F & Sons Co ... 58
Dreer Hy A ... 52 72
Dumont & Co ... 68
Dunne & Co ... 70
East'n Chem Co ... 70
Eichholz H ... 56
Eisele C ... 72
Eisele J G ... 55
Elizabeth Nurs Co ... 51
Elliott W & Sons ... 50
Elliott W H ... 49
Emmans Geo ... 55
Endtz Van Nes & Co ... 54
Evenden Bros ... 59
Farquhar R & J & Co ... 52
Felthousen J E ... 56
F & F Nurseries ... 53
Fick & Faber ... 58
Fillow & Banks ... 59
Foley Mfg Co ... 71
Foster L H ... 55
Gammage J & Sons ... 64
Garland G M ... 71
Ghormley W ... 67
Giblin & Co ... 71
Goodale B E ... 50
Greene & Underhill ... 56
Greenhouse Mfg Co ... 72
Gunther W H ... 67
Gutman A G ... 67
Haerens Bros ... 55
Hammond J A ... 66
Harris C A & Co ... 66
Hauds J ... 56
Heacock Jos ... 55
Helios Upton Co ... 72
Heller & Co ... 51
Herr A M ... 56 58
Herr D K ... 56
Hermann A ... 72
Hews A H & Co ... 70
Hicks & Crawbuck ... 67
Hill E G & Co ... 69
Hilfinger Bros ... 70
Hippard E ... 71
Hitchings & Co ... 72
Holton & Hunkel Co ... 69
Horan E C ... 67
Hor'l Advertiser ... 70
Howard J W ... 57
Hughes G J ... 66
Hunt E H ... 69
Igoe Bros ... 57
Jacobs S & Son ... 72
Jackson & Perkins Co ... 54 55
Jennings E B ... 56
Jessamine Gardens ... 54
Jewett City G'houses ... 58
Johnson & Stokes ... 51
Jones H T ... 53
Joosten C H ... 50
Just Geo ... 66
Kasting W F ... 68
Kay Wm H ... 71
King Construction Co ... 72
Koster & Co ... 54
Kraft F ... 59
Kreshover L J ... 66
Kroeschell Bros Co ... 72
Lager & Hurrell ... 55
Landreth D & Sons ... 51
Lang J ... 67
Langjahr A H ... 67
Lehman Bros ... 71
Leonard I ... 56
Littlefield S ... 68
[illegible] Floral Co ... 56
[illegible] ... 70
Livingston Seed Co ... 70
Lockland Lum Co ... 71
Long D B ... 70
Lord & Burnham Co ... 71
Lovett J T ... 52
Mader P ... 56
Manhattan Supply Co ... 57
[illegible] W & Sons ... 54
McFadden E C ... 55
McCarthy N F & Co ... 68
McKellar & Winterson ... 69
McManus J ... 67
Meyer C F ... 55
Michell H F ... 51
Millang F ... 67
Moninger J C Co ... 71
[illegible] J ... 54
Moon S C ... 66
Moon Wm H Co ... 54
Moore, Hentz & Nash ... 67
Moore W J ... 68
Moss G M ... 68
Mott Walter Sd Co ... 51
Muno J ... 69
Murphy Wm ... 69
National Board Trade ... 70
National Plant Co ... 56
Napp G F ... 57
Newton A J & Son ... 55
N Y Cut Flower Co ... 67
Niessen L ... 68
Ouwerkerk P ... 54
[illegible] I A ... 58
Pennock S S ... 68
Perkins J J ... 67
Phila Market ... 66
Pierce F O Co ... 72
Pierson F R Co ... 49
Pierson Sefton Co ... 72
Pinehurst Nurseries ... 54
Pittsbg Cut Flow Co ... 68
Pollworth C C Co ... 69
Quaker City Mch Co ... 71
Rawlings E I ... 68
Rawson W W & Co ... 52
Raynor J I ... 67
Reed & Keller ... 70
Reid Ed ... 68
Reinberg George ... 59
Reinberg Peter ... 58
Reuter S J ... 56
Reynolds J L Co ... 70
Richards F W & Co ... 66
Rideout E J ... 66
Riedel & Co ... 67
Ripperger Geo ... 70
Robinson H M & Co ... 66
Roemer F ... 50
Rupp J F ... 51
Salter W H ... 56
Saltford Geo ... 67
Sander F & Son ... 55
Schmid's Bird Emporium ... 70
Schmidt J C ... 56
Schmitz F W O ... 51
[illegible] A ... [illegible]
Scott J ... [illegible]
[illegible] Co ... [illegible]
Shepherd Mrs T B Co ... [illegible]
Sheridan W F ... 67
[illegible] Co ... [illegible]
Sinn B S Jr ... 67
Smith C ... 67
Smith N & Son ... 56
Smith Wm C ... 69
Smith W & T Co ... 54
Soltau C ... 66
Springfield Floral Co ... [illegible]
[illegible] Co ... 70
Stern J ... 70
St Louis [illegible] Co ... 57
Stone E L ... 66
Stoothoff H A Co ... 66
Storrs & Harrison Co ... [illegible]
Stumpp & Walter Co ... [illegible]
Styer J J ... 52
Sutherland G A ... 68
Swayne W ... 58
Syracuse Pottery Co ... 70
Taylor E J ... 58
Thompson J D ... 59
Thorburn J M & Co ... 50
Tobacco W & T Co ... 70
Traendly & Schenck ... 67
Union St G'house Co ... 59
Van Horn Griffen & Co ... 72
Vaughan's Sd Store ... 50 51
Vesey W J & M S ... 59
Vick's Jas Sons ... 52
Vincent R Jr & Son ... 53 56
Warburton C ... 57
Weber C S & Co ... 71
Weber H & Sons ... 56
Webster Bros ... 64
Weeber & Don ... 52
Welch Bros ... 68
Weston H ... 55
Whilldin Pottery Co ... 70
Whitton & Sons ... 56
Wietor Bros ... 59
Wittbold Geo Co ... 55
Wood Bros ... 66
Young J ... 67
Young & Nugent ... 67

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ... 56
Ageratum ... 50 52 55 56 66
Alternanthera ... 56
Alyssum ... 49 50 51 52-56-66
Ampelopsis ... 49
Amygdalus ... 49
Araucaria ... 55
Asparagus ... 49 55 56-66
Asters ... 49 50-52
Azaleas ... 49 51 54 55
Begonias ... 49 51 52-55-56-66
Bougainvillea ... 55
Box ... 51-54
Browallia ... 52
Bulbs (not named) ... 49 52-55-69
Caladium ... 54
Calceolarias ... 56
Callas ... 49
Candytuft ... 49 50-52
Cannas ... 56 66
Carnations ... 52 55 56 57-58 59 66
Centaurea ... 49 50 52
Cherries ... 51
Chrysanthemums ... 56
Cinerarias ... 50-51 52 55 56
Clematis ... 49 51 54 55 72
Cobea ... 49-52
Coleus ... 55-56 66
Conifers ... 54
Crotons ... 55
Cuphea ... 66
Cut Flowers ... 66 67 68 69
Cycas ... 55
Cyclamen ... 51 52 56 66
Cyperus ... 66
Dahlias ... 66
Daisies ... 49 50 55 56 66
Decorative Plants ... 55
Deutzia ... 49-51
Dielytra ... 49-54
Dracena ... 49 52 55-56
Ericas ... 55
Evergreens ... 54
Fern Balls ... 49 55
Ferns ... 55 56 59 66
Feverfew ... 56 66
Ficus ... 55
Fuchsias ... 56 66
Gazanias ... 66
Genista ... 55
Geraniums ... 51 55 56 66
Gladioli ... 49 50 52
Gloxinia ... 49 50 51
Grevillea ... 52
Heliotrope ... 52 56 66
Herbaceous Plants ... 54
Hibiscus ... 66
Hyacinths ... 49 50 51
Hydrangeas ... 54 72
Ipomoea ... 52 66
Iris ... 53
Ivy ... 49 55 56 66
Jessamine ... 54
Lantana ... 52 56 66
Lilacs ... 49 51 54
Lilies ... 49 54
Linaria ... 52
Lobelia ... 49 50 52
Mignonette ... 49 50 52
Morning Glory ... 49
Myosotis ... 56
Narcissus ... 49 51
Nursery Stock ... 54
Orange ... 54
Orchids ... 55
Palms ... 49 55
Pansy ... 49 50 51 56 66 72
Penisetum ... 52
Peonies ... 53 54
Petunia ... 49 50 51 52 56 66
Phlox ... 54
Pinks Hardy ... 66
Primula ... 51 55 56 72
Privet ... 53 54
Pteris ... 55
Pyrethrum ... 49 52
Rhododendron ... 49 54
Roses ... 49 51 54 55 56 58 59 72
Salvia ... 49 50 52-56 66
Sanseviera ... 72
Seeds (not named) ... 50 51-52 69
Selaginella ... 66
Shamrock ... 51
Shrubs ... 54
Small Fruits ... 54
Smilax ... 49 50 52 56 66
Solanum ... 52
Spiraea ... 49 51-54
Staphylea ... 49
Stocks ... 49 50 52
Strobilanthes ... 66
Swainsona ... 56 66
Sweet Peas ... 50 52
Thunbergia ... 49
Torenia ... 52
Trees ... 53 54
Tulips ... 49-51 55
Vegetables ... 50 52 5[illegible]
Verbena ... 49 50 51 52 56 66
Vincas ... 52 55 56 66
Wistaria ... 49

MISCELLANEOUS

Auctioneers ... 68
Boilers ... 71 72
Books ... 52 58-66 68 70
Business Opps ... 57
Collections ... 70
Cut Flower Boxes ... 70
Decorative Greenery ... 66
Designs ... 68 69 72
Fertilizers ... 70
Fittings ... 71 72
Florists' Letters ... 68 70
Florists' Supplies ... 68 69 70 72
Flower Pots, etc ... 68 70
For Sale ... 57
Galax ... 66
Glass ... 70 71 72
Glazing Points ... 72
Greenhouse Building ... 71 72
Gutters ... 71 72
Hose ... 7[illegible]
Insecticides ... 51 70
Lumber ... 70 71 72
Mastica ... 72
Mushroom Spawn ... 51 52
Newspapers ... 70
Painters' Supplies ... 7[illegible]
Pipes, Joints and Valves ... 7[illegible]
Printing ... [illegible]
Putty ... 71 72
Sash ... 70 71 72
Seed [illegible] ... [illegible]
Sprayers ... 7[illegible]
Syringes ... 7[illegible]
Stakes & Supports ... [illegible]
Thermometers ... 72
Tinfoil ... 6[illegible]
Toothpicks ... 7[illegible]
Ventilators ... 71 72
Wagons ... 71
Wants ... 57
Wire Flowers & Designs ... 70

New York Florists' Club.

Despite the cold weather prevailing on Monday evening last, January 12, a very satisfactory attendance was present at the club meeting. Ex-President Sheridan delivered his valedictory, in which he referred to the very satisfactory condition of the club, both as regards membership and finances. There were now on the roll nearly 250 members, most of whom were in good standing. Mr. Sheridan expressed his appreciation of the assistance rendered him by the officers and the various committees, as well as the encouragement given him by the large attendances of the members at the meetings.

He then introduced President-elect Troy, who, in a neat little speech, promised his best endeavors on behalf of the club. He regretted the financial failure of the past show, and added that the club had a duty to perform to the New York public in giving exhibitions, even if only in a small way to which the public could be admitted free. He hoped to see another outing of the members in the Summer, which would be as enjoyable as the one held last year. He called attention to the forthcoming meeting of The American Carnation Society in Brooklyn, February 19 and 20, and also touched on the matter of the advance on express rates. He then appointed Messrs. Hafner and Elliott to escort Vice-President Traendly to his chair. The vice-president had delivered his speech on the evening of his election and had nothing further to add.

Secretary Young and Treasurer Weathered made their customary annual addresses, promising the best service at their command in behalf of the club. Mr. Weathered stated that the annual dinner would take place at the St. Denis Hotel, Broadway, January 31, at 7.30 o'clock, price of the ticket being $5.00.

Mr. O'Mara, on behalf of the committee on resolutions on the death of Alex. McLennan, presented a set of resolutions bearing testimony to the unswerving honesty, splendid integrity and valued services rendered to the club by the deceased for many years. A copy of the resolutions was ordered sent to the bereaved family of Mr. McLennan.

Two new members were elected and two others proposed.

William Turner, of Oceanic, N. J., remitted the amount won by him for prizes at the late show to the funds of the club, and was tendered a vote of thanks for his generous consideration. The treasurer reported several payments to the guarantee fund, and a desire was expressed, that as money was required to be disbursed for prizes, those contributing to this fund should send in the amount of their donations to Mr. Weathered as early as convenient.

A letter was read from the secretary of the Cincinnati Florists' Society in reference to the advance in express rates, asking the co-operation of the Florists' Club with a view to the restoration of the former rates. Mr. Butterfield moved that a committee of three be appointed to take this matter in hand. F. W. Kelsey, in seconding the motion, stated that it was a subject on which emphatic action on the part of all horticultural societies should be taken. Not only had the rates been increased, but the service was more unsatisfactory than before, and there was no valid reason, in his opinion, why any increase should be made in the rates for cut flowers. The president appointed as a committee on express rates Messrs. O'Mara, May and Sheridan, that committee to work in conjunction with the legislative committee of the S. A. F., which is composed of the same gentlemen. Mr. O'Mara stated it was incumbent upon the shippers of cut flowers to strengthen the hands of the committee as far as in their power lay; he asked that any suggestions toward that end be sent to Mr. May or to Mr. Sheridan, so that the strongest possible presentation be made at first to the express companies. He had visited several of these companies in New York, and as far as he could see, after hearing the information supplied by the express companies, the shippers of cut flowers had not a very strong case; that is, judged by the material in his hands from the latter. He referred to the work of the Society of American Florists in obtaining a reduction on the express rates on plants. That case, he said, had an element of strength which did not appear in the present one, as he saw it. The express companies were at that time confronted with a loss of the trade of all the catalogue men of the United States, which was to be diverted to the mail. The general public, seeing that goods could be forwarded by mail, would also be influenced by the action of the catalogue men, and the express companies were alive to the loss which was likely to ensue through their refusal to comply with the request of the S. A. F. There were probably five millions of catalogues issued, each one of which made a reference to the shipping of plants by express, and to be deprived of that advertising was a serious matter for the companies. It took nine months from the time of the first attendance of the committee before the express companies to secure the reduction on rates on plants. So far as he could see, hardly any of these arguments could be brought before the traffic managers in the present instance. One argument could be brought before them, viz., that florists near the large cities could deliver their own flowers by wagons and take the traffic away from the express companies. If it could be shown that this was feasible, then the matter would be simplified. He advised that delay would be profitable, in that it would enable the committee to gather data from which to make the strongest possible presentation of the case, from the florists' standpoint.

In answer to a question by Mr. Wallace as to the grounds upon which the advance had been made, Mr. O'Mara replied that the express companies claimed that special service was necessary in the conveyance of cut flowers; also special wagons for their delivery, as the flowers, being perishable, could not be held for the ordinary runs of the express wagons. The goods were more expensive to handle, and the risk greater; claims for damages were more frequent than on any other class of merchandise, and, he regretted to say, a good many of these claims, on investigation, had been found to be the result of actual carelessness on the part of the shipper, or on the part of the receiver. The packages were bulky and less weighty than those used for other merchandise, consequently smaller receipts accrued from their conveyance. These were the most salient points, so far as he remembered, brought forward by the express companies.

Secretary Young read his annual report, in which he stated that the average attendance at the club during the year had been 35 members. He also gave in detail the certificates and other awards made at the meetings.

The president appointed the following committees:

Awards—George Cook, Henry Siebrecht, William Duckham, Charles Lenker, and J. V. Phillips.

House and Entertainment—W. F. Sheridan, F. H. Traendly, and Robert Kuhne.

Dinner Committee—Chas. B. Weathered, W. F. Sheridan, F. H. Traendly, Lawrence Hafner, and S. S. Butterfield.

Legislative Committee—Patrick O'Mara, John N. May, and A. S. Burns.

The following committee was also appointed to draw up resolutions of sympathy with Mr. O'Mara on the death of his sister: Messrs. Sheridan, Hafner, and Dowsett.

Mr. Stewart referred to the death of F. L. Harris, former gardener on the Hunnewell Estate, Boston, who had passed away on Sunday morning at the age of 80 years. Mr. Harris was an honorary member of the Florists' Club. The following gentlemen were appointed to draw up suitable resolutions: Messrs. Manda, Stewart, and Troy.

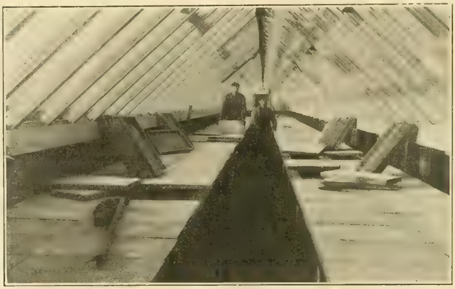
Mr. O'Mara gave notice of a motion that he would present at the next meeting, that the House and Entertainment Committee be instructed not to have refreshments at the monthly meetings unless on special occasions when refreshments would be considered necessary and advisable. The matter was discussed by Messrs. Sheridan, Morris, Scott, and Wallace, and the entertainment committee, having promised to keep the expenditure down to the lowest notch, an appropriation was granted in the meantime to continue the practice, which was considered to have a beneficial effect on the attendance.

An invitation to the officers was received from the Morris County Gardeners and Florists' Society to attend their smoker on January 14.

Mr. Wallace spoke of the forthcoming meeting of The American Carnation Society in Brooklyn next February and referred to the expected large attendance and exhibition. He also stated that matters were progressing favorably relative to the proposed banquet to be given the delegates, and that efforts would be made by the secretary of The American Carnation Society to obtain reduced railroad rates for delegates attending the convention.

An invitation from President Ward, of the Brooklyn Horticultural Society, to the members, setting forth that tickets to the banquet could be obtained at $3.00 each, was ordered filed.

The meeting here adjourned.



USE OF CEMENT SLABS IN CONSTRUCTION OF BENCHES. SLABS 1½ x 12 x 21 INCHES. COST ABOUT 7½ CENTS PER SLAB.

At Establishment of J. Gammage & Son, London, Ont.

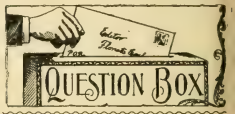
Cement in Greenhouse Construction.

We have used cement for side walls to tile benches with economical and successful results. The lower wall, before the tile is put on, is four inches in thickness and of any desired depth to suit the grade. It is composed of one part cement to seven of gravel. After the tiles have been placed in position, a top wall, or side, to the bench is made, two inches in thickness and four inches high. This is composed of one part cement and four parts of fine gravel and sand.

Our success with the above led us to try cement for other purposes, and the accompanying photograph illustrates what we are doing. The construction under way is 10 x 100 feet, for propagating. The slabs, which are composed of one part cement to three parts of sand and fine gravel, are 1½ inches thick by 12 inches wide and 21 inches long. They were moulded in the moulds shown in picture.

This being an experiment, we used ordinary wooden bench supports. Of its utility, durability, and advantages over wooden and brick bottom benches for propagating purposes we are now satisfied, and in future operations will use angle or tee-iron supports, thus making an absolutely permanent construction.

The saving in first cost is decidedly in favor of this style of building, being about 60 per cent. of what wooden and brick bottom benches would cost, and the future saving in repairs will be an item in favor of the system. The cost of time and material for the two benches was $25.34, not including the wooden substructure. WM. GAMMAGE.



Cyclamen.

(9) What is the proper temperature for cyclamen from the time the plants are housed in the Fall till they come into flower? ONTARIO.

—We take it for granted that the cyclamen referred to are plants that have been growing all Summer, and expected to flower at Christmas time or later. If such is the case, they should have a night temperature of from 50 to 54 degrees, raising it ten or twelve degrees during the daytime.

Violets.

(10) I mail you samples of violet leaves for inspection and would like to know if the damaged foliage results from improper culture or from disease. The plants are grown without heat other than natural, and being banked in hot-bed manner. The plants prior to December 5 produced exceptionally good blooms and in quantities, but from that date the leaves seemed to turn yellow, without any discernible reason. The variety is the Princess of Wales, which has proven very prolific until this season. We have had but few days when ventilation could not be given.
E. D. E.

—The violet leaves do not show any trace of disease other than what might have been caused by the plants being kept too warm, and making a very soft growth, and then having the heat suddenly taken from them, causing the growth to stop right at once and the leaves to turn yellow. We are of the opinion that the frame has been quite warm from the heat given off by the manure surrounding the frame, and as the manure heat has become exhausted and much colder weather has happened at about the same time, the violets have suffered a drop in temperature that has given them a severe check. Pick off all the decayed leaves; give air on all favorable occasions, and keep water away until the soil becomes dry, and the violets will recuperate.

Dahlias for Cuttings.

(11) Will you kindly tell me in your paper the best temperature in which to grow dahlias to produce cuttings?
X. Y. Z.

—Put the dahlias where they will have a night temperature of 60 degrees, and they will grow freely enough to produce cuttings.

Primula Veris Superba.

(12) What is the best time to sow Primula veris superba, and what is the most successful way to grow it?
J. H. F.

—Sow the seed any time during February or March, so as to get nice little plants by the time the ground is fit to work in Spring. Plant outdoors, in good, rich soil; and at the approach of Winter give a good protective mulch of straw or leaves. The following Spring the plants will flower in profusion. If it is desired to flower them indoors, lift the plants in the Fall, and, after potting or benching them, treat them as is done with pansies, affording a night temperature of 48 or 50 degrees.

The Logan Berry.

(13) What other fruit is the Logan berry the nearest like; and is it a profitable crop to raise by the acre?

R. J.

The Logan berry is the result of a cross between the raspberry and the blackberry, and has a habit of growth nearly like the latter-mentioned fruit. Whether it would be profitable or not to grow by the acre we are unable to say. We very much doubt it. Can any of our subscribers speak on this matter from experience?

BRIEFS FOR BUSY FLORISTS.

This is January 17, and Easter Saturday is just twelve weeks away, and a brief résumé relative to bringing along various Easter flowering plants will no doubt be in order at this time.

HYDRANGEAS.—These were put into a cool house the first week in January and have been syringed overhead once a day since, and the leaf buds are now breaking nicely. A night temperature of 50 degrees will suit them for two weeks yet, then the temperature should be run from five to eight degrees higher and kept there until the flower heads are well along. Have the pots standing where they will drain easily, and keep the plants well supplied with water at all times. Fresh tobacco stems spread around the pots will keep down all aphis.

LILAC.—The plants of these that are to be forced for Easter have all been potted up carefully, and at present are resting in a well-lighted, frost-proof shed, with no artificial heat. They will be put in the house during the week commencing February 23, and will have a night temperature of 60 degrees to start with. After one good watering, a daily syringing will be about all the water needed until growth starts. The syringing is a necessity in order to get the leaf buds to break evenly.

HYACINTHS AND TULIPS will remain in the storage house until the week commencing March 16; then they will be placed in a cool house, with a night temperature of about 48 degrees. A light shading will be afforded them for four or five days, after which they will get full light and sun; and aside from care in watering, they will need no further effort to bring them into flower.

NARCISSUS VON SION.—We treat these the same as the hyacinths and tulips, except that we bring them in one week earlier. They will be put on the benches during the week commencing March 9.

PEONIES we shall bring in the first week in February, and put them in a temperature of 48 or 50 degrees, raising it five degrees in about ten days; giving them a further raise in temperature of five degrees about ten days after that. There should be no checking of the peony after growth once starts; so do not make the mistake of giving them too much heat during the first stages of their growth.

ROSES, MOSS and H. P.—These are at present in a night temperature of 40 degrees, and get an occasional spraying on bright days. Commencing about the 26th of this month, the temperature will be raised gradually until 58 degrees at night is reached, which will be then maintained right along. After the plants are fairly started growing, care must be taken that the night temperature does not vary much, as the foliage is very susceptible to mildew. A free use of tobacco stems is also necessary to keep down the aphis.

CRIMSON RAMBLER ROSES improve so much in beauty, for some time after they commence to flower, that it is advantageous to give them a week or ten days more time than the hybrid perpetual or moss roses; and the latter part of this week is not any too soon to begin raising the temperature for them. As mildew forms so easily on Crimson Rambler, the heating pipes should constantly have a little sulphur painted on them; and cold draughts through the ventilators must be avoided.

BOUGAINVILLEAS. — These can stay in their cool quarters until the middle of February; then they should be put into a house where the temperature at night is about 58 or 60 degrees. Syringing overhead on all bright days should be practised, and as the flowering period approaches liquid manure should be given them occasionally.

LILIES.—The plants should be growing freely now in a temperature ranging from 60 degrees at night to 74 degrees with sun heat. Aphis must be kept down at all cost; and the flower buds should begin to show about March 1; then the plants will be in time without any hard forcing.

METROSIDEROS.—Very little forcing is needed to have these in for Easter. They are in a cool house as yet, and will stay there until about the 1st of February; then they will be given a night temperature of 50 degrees and should come in all right without any further forcing.

ERICAS.—These plants will not stand a wide range of temperature at any time. Keep them at near 50 degrees at night, with a raise of eight or ten degrees during the day; and as the flowers begin to open, shade the glass a little and they will last a long time. Over-watering is one of the main things to be avoided with ericas.

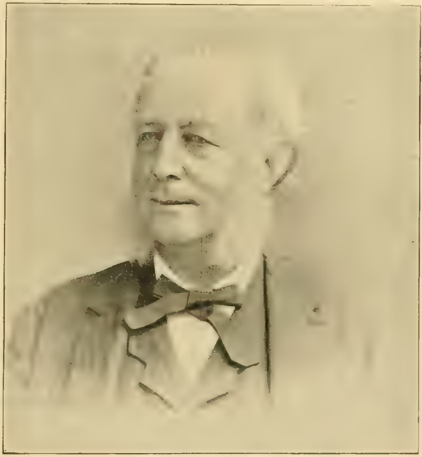
SPIRAEAS are at present under the bench in a house where the temperature runs at 58 degrees at night. They will be put in the benches the last week of this month, and will come in for Easter without any extra forcing. They need lots of room when growing and plenty of water.

GERANIUMS.—A limited number of pans of these can always be disposed of at Easter time, and about the last week in February the pans should be fitted up with plants of even size, which should be kept growing right along, and they will be in full bloom when wanted.

ACACIAS AND GENISTAS.—These will require no extra effort to have them in on time. A temperature ranging from 52 degrees at night to 70 degrees in bright sunshine will suit them right through.

AZALEAS.—Very little heat will be needed to bring these in on time; they are at present in a 45-degree temperature and will stay there until the first week in March; then they will be set over on the benches and afforded all the light possible. No forcing will be needed to flower them on time.

RHODODENDRONS. — These need more heat than azaleas, and by the second week in February should go into a night temperature of 55 degrees, and be syringed overhead on all bright mornings.



THE LATE F. L. HARRIS.
(See Obituary, page 61.)

Snapdragons.

The tall kinds of snapdragon (Antirrhinum majus) can be profitably grown for cut flowers. They are easily raised and propagated, are not particular as to soil or temperature, are but little troubled by disease or insects, and furnish an endless variety of colors. Grown outdoors they get along without any special care, bloom profusely all Summer, and, therefore, make excellent bedding plants in places where higher priced material is not wanted. However, the flowers from plants grown in the garden are not worth much for the florist; they are coarse and without any grace, and their colors are dull, compared with those of the same kinds cultivated under glass. In fact, they differ so much in all respects, that anybody, who has not grown them both ways, will declare them to be entirely different kinds.

Well grown flowers of snapdragons, raised in greenhouses, at all times sell readily, and at the end of the season the returns from a bench of them are greater than those from the same space occupied by carnations or any other cut flower stock. That is saying a great deal, but it is said always with the understanding, that the flowers of this old favorite must be high-grade blooms which they can and will be, if as much care is devoted to their growing as is spent in the raising of other cut flowers.

To have the best success with snapdragons, seeds of the best varieties, in separate colors, must be sown now, January, to begin with. All colors, even mixed bunches, sell, but those most in demand and therefore most profitable, are the pure white, the golden yellow and the deep blood-red. Sow the seeds in shallow boxes, not too thick. They germinate quickly and will in a few weeks be an inch high, when they should be planted singly into two-inch pots, and before they get a shift into three-inch pots pinch off the tops, breaking off about an inch or less. By the middle of April, or earlier, if the season permits, plant in the open ground, about a foot apart. There they are allowed to bloom, which they will do quick enough; and now is the time to get the stock for the greenhouse.

They furnish any amount of cuttings. Take the strongest, two or three inches in length; select the finest colors and keep them together and separate, and insert into sand like other cuttings. They will root as easy as coleus. As soon as they are rooted, pot them up into 2-inch pots, placing them into cold frames, repot as required and pinch off every bud as soon as it appears. By the middle or end of September they should be fine bushy plants in 4-inch pots. Now they are planted, from 14 to 16 inches apart, into the bench in the greenhouse, in good, rich soil. Plant them deep. A solid bed is the ideal place for them. They need lots of head-room, from five to six feet at least. In a very short time heavy, thick, waxy shoots from the roots will appear above ground, and these, at last, are the ones that will bear the flowers we are after—flower spikes from 12 to 16 inches on stems five feet long.

Snapdragons require a lot of water, a night temperature in the Winter of about 50 degrees, some disbudding, if extra good blooms are wanted, and constant watching to keep the stems straight, which, if not kept tied up, will grow crooked in a single night. An average plant will produce from 15 to 24 good flowers and any number of small ones at the base, which latter make good material for design-work and small bouquets.

The common price for the flowers, all through the Winter up to Decoration Day, is one dollar a dozen and double that figure and more at the holidays; and the plants can be had in bloom at almost any time you want them. A bench of well-grown red snapdragon for Christmas, or a bench of white flowers for Easter, in full bloom, is a grand sight and valuable property in the hands of the grower. And as this flower keeps for weeks, before or after it is cut, holding them back a little before a holiday could hardly be considered "pickling."

Keep in mind that the antirrhinum is a bi-annual and strong material for cuttings should be raised annually from seed, or at least every two years.

The dwarf varieties of snapdragon, if grown under glass and in about the same way as above described, make fine pot plants, can be had at any time in the year and sell especially well at Christmas, Easter and Memorial Day. The semi-dwarf kinds and those belonging to the so-called grandiflorum section, are only good for bedding out.

FRED. W. TIMME.

New York Botanical Garden.

The Board of Managers of the New York Botanical Garden helds its annual meeting January 12. The following officers were re-elected: President, D. O. Mills; vice-president, Andrew Carnegie; treasurer, Charles F. Cox; secretary, N. L. Britton. The report of the director-in-chief, Dr. Britton, showed that the number of species grown in the herbaceous grounds during the year was about 3,000; the number of species represented in the fruticetum, or collection of shrubs, was 530; the number in the salicetum, or willow collection, was 50, and that in the viticetum, or collection of vines and trailers, about 60. The total number of species of hardy trees represented in the Garden, including the native kinds, is now about 300, some of which are still in the nurseries. The number of species grown in the public conservatories is about 5,800, as against 3,400 a year ago. The additions have been wholly obtained by exchange with other institutions, by collection in various parts of tropical America, and by growth from seeds in the propagating houses. The director points out the necessity of an additional range of greenhouses. The total number of species now represented in the plantations and conservatories, including the native flora of the tract, is about 10,600, as against 9,300 a year ago.

In the year about 67,000 specimens have been received for the museums and herbarium, and about 90,000 specimens have been incorporated with the various permanent collections; showing that at least 23,000 specimens previously received have been brought into use for study. Forty-three students, including graduates of thirty-one different colleges and universities, have received the privileges of the laboratories, herbarium, and library in the course of the year, and these students have pursued investigations in practically all lines of botanical research.

The library of the Garden now contains about 13,000 bound volumes, of which 1,962 were added in the last year. The gifts of books included 263 volumes, and gifts of money from members of the Garden for the purchase of books amounted to $2,265.

Review of the Market

NEW YORK. The weather has been extremely cold for several days this week, and the supply of flowers has been greatly diminished. Roses particularly are scarce and, while it cannot be said that there is a great demand for them, they are so few in number that fairly good prices are being maintained. There has been an occasional instance of a few American Beauty selling at $1.00 each, but they have been in less than one dozen lots.

Carnations have not changed in value materially, but they are clearing out satisfactorily. There has been a better demand for the white ones than for any other color.

Violets are diminishing in value, and, as the weather has been too cold for the street men to operate, it is a difficult matter to clear out on the inferior bunches. The very finest specials can be had at $1.00 and $1.25 per bunch of 100, and the bunches of specials, that are in fifties, are obtainable at 75c.

Cattleyas are more plentiful, and, with the exception of the small varieties, are moving out satisfactorily. Dendrobium formosum is again coming in regularly, as are several varieties of lælias.

Lily of the valley, when good, is clearing out nicely and at fair figures, though there are some coming in that will not average more than $2.00 per 100.

Bulbous stock, such as white and yellow narcissus, tulips, and Roman hyacinths, are in good demand, and are clearing out in good shape; as are smilax, asparagus, and maidenhair fern.

BOSTON.—Not for many years has this market been so scantily supplied with stock at this season of the year as at the present, and were business at all lively, the effort to obtain stock would create almost a panic. Good roses are very scarce, indeed; and carnations of the better sorts are not so plentiful as usual at this time, though in fair supply. Still the shortage of roses occasions a stronger demand for carnations, and they clean up easily. Bulbous stock, except hyacinths, is in good supply; but, as with carnations, it cleans up very well. Violets have become more plentiful during the past week than they have been for months.

In roses prices are held up pretty well. Fancy special American Beauty and Queen of Edgely fetch $8.00 per dozen, with extra grade at $6.00; No. 1, $3.00 and $4.00, shorts from 75c. to $2.00. Fancy Bride, Bridesmaid, and Liberty realize $25.00 per 100, and sell out early; extras make $16.00 and $20.00; No. 1, $10.00 to $12.50, and the smaller grades, $4.00 to $8.00. Red roses have been in very short supply, and it has been impossible to fill all orders for Liberty and Meteor. Prices on the latter range from $4.00 to $16.00.

Carnation prices have not changed much since last week, though the flowers are very easily disposed of. The best grades of ordinary sorts fetch $3.00 per 100, with ordinary grades at $2.50 and inferior stock at $1.50 and $2.00. Fancy grades of ordinary kinds make $4.00, with specials at $5.00 and $6.00.

Jonquils are in good supply, but are selling very well at $3.50 and $4.00 per 100. Campernelles are not so numerous, and bring $1.00 and $1.50 per 100. Paper White narcissus are in good supply at $2.00 and $2.50; and Roman hyacinths make the same figures, but the supply has shortened up considerably. Lily of the valley is yet in limited quantity at usual rates. Freesia is a little more plentiful, but cleans up daily, at from $2.00 to $4.00 per 100. Lilies are in good supply, at $8.00 to $12.50 per 100.

F. J. N.

CHICAGO.—The market is inclined to be a little erratic. The supply of roses is on the decline, and good prices are being realized. American Beauty have reached $5.00 to $6.00 per dozen for extra fancy stock, while other grades run from $3.00 to $4.00 per dozen. Bride and Bridesmaid are not over abundant, and fancy select easily realize $15.00 per 100, while good stock is quoted at from $6.00 to $10.00 per 100. Meteor bring from $3.00 to $10.00 per 100; Golden Gate, $4.00 to $10.00; Ivory, $5.00 to $10.00. Liberty realizes $4.00 per dozen for extra fancy stock, other grades at from $4.00 to $25.00 per 100. Perle des Jardins sells at from $3.00 to $8.00; Mme. Abel Chatenay, $8.00 to $12.00; Sunrise, $8.00 to $10.00. Bulbous stock is not in any over supply. Violets are quoted at from 50c. to $2.00 per 100. Carnations are arriving in increasing quantities and are not so easily cleaned up as heretofore, especially colored stock. White varieties are holding up well and are quoted at from $3.00 to $4.00 per 100. Most anything brings that price if white, while colored stock is selling at from $1.00 to $3.00; some novelties may realize a better figure, Prosperity going at from $6.00 to $8.00, and Harlowarden at $6.00 per 100.

PHILADELPHIA.—The supply of roses is considerably below the demand; pink and white tea roses are in greatest call. It cannot be said that any class of cut flowers is very plentiful; no grower appears to be sending in what he ought to as in regular times. Much of the scarcity is no doubt due to the coal question, as houses are being run at low temperatures. There appears to be a good supply of colored carnations; white is scarce with many, but Wm. J. Baker says he has plenty. Edw. Reid is still doing a large business in sweet peas, handling some extra choice white and pink flowers. Lily of the valley is in strong demand and only fair supply. S. S. Pennock is doing a large busines in orchids.

DAVID RUST.

CINCINNATI.—Dark and cloudy weather has prevailed over this part of the country for the last four weeks, which has curtailed the cut of roses very considerably. Carnations are more fortunate, and are now coming in equal to the demand. Severe cold weather has also been experienced, using up the coal pile in a hurry. But the florists in this section are more fortunate than our eastern brothers, as we can secure all the coal needed, thanks to the Ohio River. Prices still remain firm on all good stock. American Beauty roses, select, bring $6.00 per dozen, and grade down to $1.00. Bride and Bridesmaid, Golden Gate, best, 8c. to 10c.; seconds, 4c. to 6c.; lily of the valley, 4c.; L. Harrisii, 20c.; narcissus, 3c. to 4c. Roman hyacinths, 3c. Violets are scarce at $2.00 per 100 for the best.

E. G. G.

PITTSBURG.—For three or four days we have had extremely cold weather, the thermometer at some places being as low as 5 to 7 degrees below zero, with a sharp wind blowing. It required lots of coal to keep up the temperature under glass. There has been no scarcity of coal as yet, and as long as the rivers remain open there will be plenty; but if the cold spell should continue, we might have trouble in getting coal, as the railroads could not begin to supply our cities at present. Natural gas is little used by growers, as the cost is considerably more than that of coal, and during this cold spell even the gas was scarce in some localities. The weather has a good effect on prices of cut flowers, for they are rather high. Roses were a little scarce, but the stock coming in is choice. The principal work the past week was for funerals, and some costly designs were made. E. C. R.

OMAHA, NEB.—Owing to a large number of funerals in Omaha and surrounding towns, the florists have been very busy. But on account of very cloudy weather and zero temperature, stock is comparatively very scarce, especially in white flowers and American Beauty roses. Prices are holding up very well, probably better than last year. Those at retail are: American Beauty, $2.00 for shorts, $3.00 to $4.00 for 15 inch, up to $9.00 per dozen. Other roses, 75c. to $1.50, with select at $2.00 per dozen; carnations, 60c. and 75c.; fancy, $1.00; narcissus, 75c. and $1.00; Roman hyacinths, 60c. to 75c.; lily of the valley, 75c. and $1.00; violets, $1.50 to $2.00 per 100; mignonette, 75c. and $1.00 per dozen. J. H. B.

BUFFALO, N. Y.—The better class of flowers coming in are readily absorbed by the demand, especially roses and white carnations, the latter somewhat owing to the larger recent calls for funeral flowers. Contrary to common conditions for a long while past, colored carnations in good quality are arriving a bit ahead of the demands. Violets, apparently, are not in as good supply as in some past seasons. For the desired kinds of stock especially, good firm prices are being realized. VIDI.

KANSAS CITY.—In a general report of the city florists we find that the holiday business was very satisfactory. The supply in all lines was equal to demands, and the fair weather preceding Christmas brought in orders early.

In blooming plants no finer lot could be found, and the retailers experienced a brisk trade in azaleas, Gloire de Lorraine, begonias, pans of hyacinths, primroses and poinsettias at prices fully 25 per cent. better than those of other years.

This advance in the prices has been set by the customers themselves demanding that the azalea shall be trimmed in pink, green and gold, with a large bow of expensive ribbon and, lastly, that it shall be delivered by a special messenger in the automobile. There was a good demand for green goods. Mr. Newell, one of our heaviest retailers, says there was some shortage in Christmas green roping, probably owing to the fact that time could not be spared to make it up.

Mr. Murray found but two cases of holly of his large shipment that were not exceedingly fine.

Carnations took the lead in cut stock and such varieties as Harlowarden, Mrs. Thos. W. Lawson, Mrs. Higinbotham and Marshall Field went easily at $2.00 and $2.50 per dozen, prices that have never been reached in this city when the flowers were handled in large quantities.

All bulbous stock was unusually good. Narcissus and Roman hyacinths brought the usual price of $1.25 per dozen.

There was no great demand for novelties while good material lasted. More wreaths of red immortelles were sold than in former years, but aside from these the call for such dried goods was light.

E.

TOLEDO, O.—Trade during the holidays far excelled that of last year. Potted plants and cut flowers were plentiful; and customers did not seem to care much about the prices. Thousands of roses, carnations, violets, azaleas, Roman hyacinths, poinsettias and strings of smilax were consumed. The most elaborate floral decoration was at the home wedding of Miss Tolerton. Mr. Heinl had charge of the work, which was the most extensive ever attempted in the city. In the drawing room and library, Mr. Heinl used 500 poinsettias, 1,500 Meteor roses, 500 American Beauty, and 600 strings of smilax. The Yacht Ball, given New Year's eve, was a scene of great floral beauty. A miniature man-of-war, made of Roman hyacinths and carnations, with smokestack wound with red satin ribbon, the entire design resting on a bed of blue immortelles, formed the center-piece at a function given in honor of Captain Richmond Pearson Hobson.

Meteor roses sold at $2.00; American Beauty, $5.00 and $8.00; carnations, 75 cents to $1.50; poinsettias, $1.50 to $5.00; violets, $3.00 per 100; Azaleas, $3.00 to $8.00 each; Roman hyacinths, $1.50 to $2.00; Lily of the Valley, $1.00 to $2.00 per dozen; Boston ferns, $3.00 to $8.00 each; callas, $1.00 to $3.00.

Thomas Magee says trade during the holidays was 50 per cent. better than last year's. Joseph Sigrist reports business excellent. Miss Belle Flick says trade was better than for some years past.

C. J. S. P.

NEWPORT, R. I. Christmas trade here was much better than last year's, and considering we have one more retailer, every one seems to have done a good business. Our growers did a good business, and could have sold more stock. Among the retailers F. L. Zeigler was way ahead, in plants; he disposed of over 100 araucarias alone. Azaleas sold well, also ericas. Lilium Harrisii, Roman hyacinths in pots and boxes and Paper White narcissus sold well. There were also a large quantity of primulas and solanums disposed of. Green and Christmas trees sold clean out.

Geo. A. Weaver Co. report sales about equal to last year's. On Christmas Day there were no flowers or greens to be had at the florists' stores. The weather was propitious up to Christmas Day, when we had a terrible snowstorm, which greatly retarded deliveries. T. F.

ASPARAGUS PLUMOSUS

$6.00 PER 100.

J. GAMMAGE & SONS, London, Ont.

Mention the Florists' Exchange when writing.

FLORISTS' STOCK

Roses. Caroline Soupert, 2¼ in., $4.00 per 100.
Asparagus Plumosus, fine, 2½ in., $6.00 per 100
Geraniums, fine, from pots, named, $3.25 per 100
Araucaria Excelsa, 5 in., 4 tiers, $6.50 per 10.
Kentias, 3 in., fine for fern pans, $15.00 per 100

WEBSTER BROS., Plantsmen, HAMILTON CANADA.

Mention the Florists' Exchange when writing

CHANGES IN BUSINESS.

JACKSONVILLE, FLA.—The Griffing Brothers Company has sold out its floris department to C. D. Mills.

OCEAN GROVE, N. J.—Dean Thompson, formerly of Asbury Park, N. J., ha gone into partnership with his father a this place, and discontinued his plant a the former location.

WICKFORD, R. I.—The Homoganset Greenhouses have sold their plant to thre practical florists, who will do busines under the name of The Homogansett Florist Co., and will raise roses for the Nev York and Boston markets.

CLEVELAND, O.—A. Tilton has retire from the seed firm of A. Tilton & Son The business will be conducted, under th same title, by George A. and Judd Tilton sons of the retiring partner.

FIRES.

JOLIET, ILL.—The greenhouses o Ludwig Schmidt were destroyed by fir on the morning of January 8. The los is considerable.

MARQUETTE, MICH.—Fire did damage amounting to $1,200 in the greenhouse establishment of Mrs. Emma Stafford on December 23, 1902.

Canadian News

MONTREAL.—The weather continues cold and dull, and its effect on cut flowers is very marked. American Beauty roses have suffered most, and in many cases the flowers are completely spoiled. Bride and Bridesmaid are in better condition, although the color of the latter is not of the best. Carnations are fairly plentiful, but a good demand in funeral work keeps the whites well cleaned up. Violets are still dragging considerably, although the supply is much below the average and the quality very fine. Roman hyacinths and Paper White narcissus are plentiful, and, outside of funeral work, are not wanted. There is a fair sale for lily of the valley; most of this stock finds its way into funeral designs. With the exception of a few indifferent tulips, Dutch bulbs are not seen yet.

The plant trade since the opening of the new year has been quiet; there is little call for any other than decorative stocks. The coal famine is very much in evidence in this locality. Anthracite, when obtainable, costs anywhere from $12.00 to $20.00 per ton, and at these figures, of course, is altogether out of the reach of florists. Soft coal is moderately plentiful, although this has increased in price 100 per cent.

Harrisii lilies, even the plants that were the healthiest in the early stages, are getting badly diseased, and the lookout in this variety is very unfavorable. The Japanese bulbs are better, but the old trouble of mixed varieties is again at the front. In one lot of 1,000 supposedly longiflorum giganteum, there were but 10 true to name, the balance being made up of about equal parts Lilium Takasima and a small growing variety that averages about one flower to the plant and is practically worthless. B.

TORONTO. Business is a little slow, with stock coming in rather plentiful; roses, carnations, and violets being in good supply. Firsts and selects sell well, but second and poorer grades do not always clean up. Dunlop is showing some very fine carnations, Prosperity, Mrs. Lawson, Cressbrook, The Marquis, Norway, Lorna, and Governor Roosevelt being very good. Good American Beauty roses ar scarce, as are good double violets. Singl violets are plentiful, also lily of the valley. Some very good mignonette around, and nice tulips are coming in.

There was a considerable quantity o funeral work done last week that use up quite a large amount of stock tha otherwise would have been left on han Prices of stock are just about the sam as in other years, although those for coa and other firing material have doubled so most of the income of a good man of the boys is going up the chimney.

T. M.

Canadian Cut Flower Prices.

LONDON, ONT.—Bride and Bridesmai bring $6.00 to $12.00; Golden Gate, $6.00 t $12.00; Madame Hozte, $6.00 to $12.00 Souvenir de Wootton, $6.00 to $12.00. Carnations, inferior grades, all colors, $2.00 standard varieties, $3.00 to $4.00; fanc $4.00 to $5.00; hyacinths, $3.00; lily of th valley, $3.00 to $4.00; smilax, $15.00; violets, $1.50. Dull, cold weather. Roses ar of good quality, the supply about equa to the demand. Carnations are in bris call, with a supply not equal to it. Plan sales have dropped off. A few good azaleas have moved this week. G.

TORONTO, ONT.—American Beaut extra, $50.00 to $60.00; No. 1, $25.00 t $40.00; culls and ordinary, $5.00 to $10.0 Bride and Bridesmaid, extra, $12.00 t $15.00; No. 1, $8.00 to $12.00; No. 2, $2.0 to $6.00. La France, $3.00 to $12.00; Meteor, $2.00 to $12.00; Mrs. Pierpont Morgan, $2.00 to $12.00; Perle des Jardins $2.00 to $8.00; cattleyas, $35.00; cypripediums, $15.00. Carnations, inferior grades all colors, $1.00 to $1.50; standard varieties, white, pink, and red, $2.00 to $4.00 yellow and variegated, $3.00 to $5.00 fancy, all colors, $4.00 to $6.00; adiantum $1.00; asparagus, $20.00 to $75.00; callas $6.00 to $10.00; daffodils, $3.00 to $5.00 daisies, 50c. to $1.00; freesia, $2.00 t $3.00; galax leaves, 15c. to 20c.; hyacinths $1.50 to $3.00; lily of the valley, $1.50 t $4.00; mignonette, $1.00 to $4.00; narcissus, $1.50 to $3.00; smilax, $15.00 to $25.0 tulips, $2.00 to $4.00; violets, 75c. to $2.0

New York.

Happenings of the Week.

With the terrible cold weather, the shortage of coal and exorbitant express rates, the florists' lot is not a very happy one just at present.

Frank L. Moore, rose grower of Chatham, N. J., is to be commended for the strong personal effort he is making to obtain a repeal of the excessive express charges. Mr. Moore has a petition signed by upward of eighty growers, who are all shippers over the route of the United States Express Co., and the petition will be laid before the head of that company. The petition states among other things that the express rates in force at present are decidedly unfair, and are discriminating against one of the most regular departments of the company's traffic.

A petition, signed as this one is, with so many regular shippers over one route, will no doubt carry some weight when presented before the proper officials, and if some one enthusiast in each shipping section would take up the work on the some lines as Mr. Moore has done, something would probably be done by the express companies toward repealing their outrageous discrimination against the carrying of cut flowers.

The annual dinner of the New York Florists' Club, which takes place at the St. Denis Hotel on January 31, is to be an unbounded success, and members who intend being present, but who have not yet notified Mr. Weathered of their intention, should do so at the earliest opportunity. A first-class musical combination has been secured, and we shall have a fine entertainment in addition to the elaborate menu.

There will be a meeting of the Brooklyn Horticultural Society on Monday evening, January 19, in the Germania Club, 120-2 Schermerhorn street. All the members should attend, as important business will be transacted.

A. H. Langjahr has secured another prize, a handsome lamp, Abraham & Strauss, Brooklyn, being the donors.

Charles Lenker, Freeport, L. I., seems to be one florist who can make money out of the coal famine. Whether he has the inside track of a railroad, or a mine, is not apparent; but he is getting coal in car-load lots and supplying his neighbors at a slight profit to himself.

George K. Zeiner, whose greenhouses are located on Clarkson street, Brooklyn, suffered a loss of $3,000 by fire on Friday night, January 9. The fire started near the boiler, in which a coal fire was burning, but the direct origin is unknown. The whole establishment, so far as stock is concerned, is a total loss, as what did not get destroyed by fire perished with the frost. Much sympathy is felt for Mr. Zeiner, as he carried no insurance on the greenhouses. Among the stocks destroyed were two houses of fine mignonette, one house of azaleas, one house of primulas, and one house of stevia; also 2,000 strings of smilax, and a large stock of Spring bedding plants.

At the sessions of the New Jersey State Horticultural Society, held in Trenton, N. J., last week, C. W. Ward, Queens, L. I., presented a paper on the subject of "Plant Breeding," and W. A. Manda, South Orange, one on the newer privets and roses for hedges and embankments.

Mr. and Mrs. C. L. Allen, of Floral Park, N. Y., will celebrate their golden wedding anniversary on the afternoon and evening of January 27. Their latch string will be out to all of Mr. Allen's many friends on that date, whose hands he will be glad to shake. We wish the amiable couple many more years of wedded bliss, and we are sure their large circle of friends will join in the sentiment.

Chas. E. Koch, of Clarkson street, Brooklyn, had the misfortune to have a heavy iron bar fall across his foot a few days ago, and as a consequence he has a lame member and also a very painful one.

The firm of W. A. Manda, South Orange, N. J., has been incorporated, with a capital stock of $150,000. Incorporators: Albert A. Manda and Daniel McRorie, South Orange, N. J., and William H. Carey, Jersey City, N. J.

John Young's head clerk, George Hildenbrandt, is laid up with a severe case of tonsilitis.

R. O'Mara and his sister, Miss O'Mara, are spending a few weeks in Florida.

James W. Withers will go to Jamaica, West Indies, soon, for the benefit of his health.

John N. May, Summit, N. J., is confined to his home with an attack of "grippe."

Mrs. Wm. Plumb was taken very ill a few days ago, and had to be removed to the hospital at Mineola, L. I.

A. N. Broadhead, proprietor of the Lake View Rose Gardens, Jamestown, N. Y., was in the city Friday, January 9, attending the banquet of the Erie Railroad officials, at the Hotel Savoy.

Chicago.

News of the Week.

With the thermometer registering 6 degrees below zero the growers have been rather worried over the coal supply the past week, but, so far, I have not heard of any actual losses on account of the scarcity of fuel. From reports there is plenty of coal if one can afford to pay the prices asked, which are sometimes double what the contract figures were last Summer and Fall.

The market the past week has been brisk, everything in the line of good stock finding a ready sale at extra good prices, especially good roses. American Beauty have shortened up in supply considerably, with the prices not so firm as a week ago. The supply of carnations is on the increase; white kinds are not in overabundance and find a ready sale, while colored stock does not move so well, especially the poorer grades.

The retailers report trade as fairly good for this season.

Poehlman Bros. are receiving some fine white lilac, both single and double, which finds a ready sale at from $2.00 to $2.50 per dozen.

A goodly number of the trade attended the dance given by the Cut Flower Growers' Company in its new store at 60 Wabash avenue, Tuesday evening. About 60 couples were present. All report having had a good time.

From reports, some extensive buildin will be done in the Spring in and around this city. Benthey & Co. are to enlarge their New Castle range by from 35,000 to 40,000 square feet of glass, to be planted to Liberty and Mme. Chatenay roses. Poehlman Bros., of Morton Grove, contemplate the erection of some 125,000 feet in the Spring, and will also make extensive alterations on their present range. Several other firms expect to enlarge their present areas of glass, but are not able to state at present to what extent. Whether this market will be able to handle the increased output remains to be seen, but from present appearances it can, if the additions are devoted to the right kind of stock, as it seems impossible to get sufficient of certain kinds to supply the market. It will take good figuring, with management, to produce just what is wanted at the right time.

J. B. Deamud is sojourning on his farm at Cairo, Mich., for a few days this week.

Hugh Wood has been on the sick list for the past week.

Edgar Sanders is able to be around the house again after a short siege of sickness following Christmas, which confined him to his room.

A girl baby arrived at the home of W. Kidwell on Monday night.

ROBERT JOHNSTONE.

Cleveland.

News Jottings.

The coal problem was the subject of much discussion at the club meeting Monday night, and after a thorough understanding of all the members' views, it was decided to drop it for the present. The majority of members seemed to think that now was a very poor time to desert your old coal dealer, but to do the best you can until the supply comes more equal to the demand.

A visit to A. Graham & Son's establishment found everything in the usual good order. Stock of all kinds was looking in fine shape, and gives promise of plenty for the large Spring trade. One house of longiflorum lilies for Easter and earlier was the finest I have seen for some time. Lilium speciosum, album and rubrum that were grown from cold storage bulbs were just coming into flower, and as the present supply of blooms is so limited these should help out wonderfully. Two benches of Princess of Wales violets were as good as I have seen in Cleveland this year, and give promise of a heavy cut of flowers in a short time.

At G. M. Nauman's place the stock was looking fine, especially one house of violets. All the new varieties of carnations are here on trial and a goodly number are showing what their originators said for them. Governor Wolcott, as seen here, is fine, as is also Mrs. Higinbotham. These two sorts will be grown largely the coming season. A seedling carnation at this place grown under the name of Louise Nauman, which will be offered to the trade the coming season, is a very good one for those who grow for their own retail trade. It is a good producer and keeper.

Smith & Son's pink seedling carnation Magdalene is pronounced by all to be the cleanest and most rapid upright grower of any carnation, and the color perfect of its class, with a stem hard to beat. It should without doubt prove to be a grand commercial variety. This carnation is to be offered to the trade next season, and will be shown at Brooklyn in February, as George Smith, the proprietor of this place, has one house that will be in just on time for the show.

Adam Graham, Jr., was confined to his bed last week, but later reports say that he will be up and around shortly.

Three new members were admitted to club membership at the last meeting, and there is still room for more.

Trade is good, stocks scarce and prices high. Were it not for the coal bills we would have good reason to be happy. G. W. S.

Pittsburg.

Express Rates on Cut Flowers.

Many complaints are heard about the express charges being too high and some other abuses of the express companies. This matter is to be discussed at the February meeting of the Florists' Club, and those who complain the most should make it a point to attend the meeting. Perhaps something can be done to remedy some of the faults.

News Notes.

John Bader was confined to his room for some days with a bad cold, but is out again.

Casper Limbach states that he is receiving many inquiries about prices of glass in large quantities for the coming season; so it is likely that considerable building will be done the coming Summer.

E. C. Ludwig expects to move to the city shortly. He is tired of his country home—a nice place, but rather inconvenient to get there.

E. C. REINEMAN.

Omaha.

News of the Week.

The January meeting of the Nebraska Florists' Society was held on the 8th inst. After transacting regular business the members decided to have a bowling tourney on the night of February 10. C. H. Green, of Fremont, was in attendance.

The annual meeting of the Nebraska State Horticultural Society will be held at Lincoln, January 13, 14 and 15. Second Vice-President J. J. Hess, L. Henderson, P. B. Floth and J. H. Bath, of Omaha, will attend.

In addition to the prizes offered for fruit exhibits, there are premiums for roses, carnations and violets.

J. H. Hadkinson has accepted a good position with the landscape department at the St. Louis Exposition.

J. H. BATH.

Madison, N. J.

The Morris County Gardeners' and Florists' Society held its annual smoker and installation of officers in the Brittin Building on Wednesday evening last, about 55 members being present. An old-time tin horn delegation came up from the New Jersey Floricultural Society. Among the notables present were: W. J. Stewart, E. W. Clucas, H. W. Gibbons, Messrs. Moore, Hentz and Nash, A. Caparn and G. Tricker. Letters of regret at inability to be present were read from Austin Shaw, Alex Wallace, J. W. Withers, and others. After the treasurer and secretary had read their annual reports, the officers for the ensuing year were duly installed. When the regular order of business had been dispensed, the entertainment commenced. The Three Merry Monarchs, or Foster's Funny Fellows appeared on the boards. In justice to these clever gentlemen it is fair to say that they are certainly the best trio of performers that have honored our town. It is pretty hard to get up a laugh right after a coal strike, but we did laugh, and laughed to beat the band.

The Goebel Bros., the remnants of a disbanded minstrel troupe, also did some clever stunts, incidentally ringing in a few "new" jokes. One or two of the visitors from New York fainted, but were quickly revived by a judicious spraying of the now famous Morris County Gardeners' and Florists' punch, warranted, as one facetious member remarked, to cure coughs, colds, warts or bunions. After joining hands and rendering "Auld Lang Syne" (I say "rendering" advisedly), the meeting dispersed at 12:30 a. m., everybody departing, feeling perfectly satisfied with themselves and each other.

CHAS. H ATKINS.

Germantown, Pa.

The Germantown Horticultural Society held a meeting January 12. Edwin Lonsdale talked on "Begonia Gloire de Lorraine." It was carnation evening, and a varied display of that flower was made. One of the finest specimens shown was Enchantress, exhibited by Peter Fisher. The election of officers for the year resulted as follows: President, Edward Neville; vice-presidents, Charles J. Wister, Albert Woltemate and Edwin C. Jellett; secretary and treasurer, George Reynolds.

Tarrytown Horticultural Society.

About fifty members and friends of the Tarrytown Horticultural Society sat down to an elegant dinner in the Florence Hotel on Wednesday evening, January 14. Although this society is only four years old, it has come to be known as one of the foremost and most progressive horticultural associations in the land, and its annual dinner is looked forward to with pleasurable anticipation by those friends of the society who are fortunate enough to be invited to attend.

The tables were gracefully adorned with cut fronds of that peer of all the nephrolepis, N. Piersoni, with vases of carnations as centerpieces.

The president of the society, David McFarlane, acted as toastmaster, and filled the role with tact and amiability. Among the speakers were: The president of the village of Tarrytown, Mr. Brown; C. Reynolds, representing the Dutchess Horticultural Society, from Poughkeepsie; Mr. Maynard, editor of the Tarrytown Argus, and Dr. Russell, coroner of the district. J. Austin Shaw read two original poems, and a local member gave a vocal selection, entitled "You and I."

Tobacco Stems — THE GOOD STRONG KIND, BALES WEIGH 500 LBS. — 60c. per cwt. On Cars N. Y. City.

Tobacco Powder — Two pound trial sample will cost nothing if you will pay the express charges. — THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. — 2c. per lb. On Cars N. Y. City.

Tobacco Powder — Five pound trial sample will cost nothing if you will pay the express charges. — THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. — 2c. per lb. On Cars N. Y. City.

Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it; write Dept. B.

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TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

PHILADELPHIA WHOLESALE FLOWER MARKET
1228 CHERRY STREET, PHILADELPHIA
Mention the Florists' Exchange when writing.

Consignments of CHOICE VIOLETS and NOVELTIES Wanted. We have a Choice Lot of DAFFODILS Fresh Daily.
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

1500
SURPLUS SMILAX
50 cents per 100 from 2-inch pots
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

50,000 CANNAS
In ten best standard varieties.
Chrysanthemum. Stock plants. Robinson, Merry Monarch and Bonnafion.
Latanias, 2½ in pots, 15 in. high, 5-8 leaves, $2.50 per 100.
Biota Nana Aurea, 8 10, 18-24 in. high. Prices upon application.
GEO. JUST, Jacksonville, Fla.
Mention the Florists' Exchange when writing.

BEGONIAS
Our Great Specialty.
Mrs. Shepherd's Tree Begonias, assorted, 2½ in. pots, strong plants, $2.00 per doz., delivered.
Marjory Daw, fine winter bloomer, 2½ in. pots, $1.60 per doz., delivered.
Many other Begonias in great variety.
Send for Catalogue and Trade Lists.
THEODOSIA B. SHEPHERD CO.,
Ventura-by-the-Sea, Cal.
Mention the Florists' Exchange when writing

DAHLIAS.
Strong field-grown roots, whole or divided.
Fine assortment. Send for list and prices.
SAMUEL C. MOON,
MORRISVILLE, PA.
Mention the Florists' Exchange when writing.

VERBENAS
UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED **GERANIUMS** CUTTINGS
Double and Single, and Ivy Leaf Varieties.

Fine collection	$2 00 per 100;	$15 00 per 1000
Strong pot plants	3.00 "	25.00 "

CYCLAMEN GIGANTEUM
From 3 inch pots, in bud .... $8.00 per 100

STRONG, HEALTHY **CARNATIONS** FIELD PLANTS
For prices and varieties see last week's Exchange.

MISCELLANEOUS.	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

Rooted Cuttings

	Per 100
Weeping Lantanas	$1 25
Fuchsias	1 25
Double Petunias	1 25
Marguerites, Paris Daisies	1 00
Feverfew, Little Gem	1 00
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60

CASH WITH ORDER.
C. A. Harris & Co., Delanson, N.Y.
(ERNEST HARRIS, Manager.)
Mention the Florists' Exchange when writing.

SPECIAL!!
Selaginella Emil, 2½ in. 2 cts.
Verbena. 10 fine sorts, 2 in., $1.25 per 100. Rooted cuttings, 40 cts. per 100.
Petunia. Double Fine, 20 sorts, 2 in., $1.75 per 100. R. C., $1.00 per 100.
GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.
DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.
ALYSSUM, DOUBLE, 2 in., 2 cts.
SWAINSONA ALBA, 2 in., 2 cts.
UMBRELLA Plants, 2 in., 1½ cts.
VINCA, Green, R. C., 50 cts. per 100.
HARDY PINKS, 8 kinds, R. C., 75 cts. per 100.
Cash. Rooted cuttings prepaid.
BYER BROS., Chambersburg, Pa.
Mention the Florists' Exchange when writing.

IMPATIENS
THE QUEEN
Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.
ASPARAGUS SPRENGERI
From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.
BEGONIA REX
12 varieties, 2-in., 60c. per doz.; $4.00 per 100.
ROOTED CUTTINGS
Send for List, Fine Stock.
CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HIBISCUS, Peach Blossom, R. C	2 00
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C	1 50
FUCHSIAS, 12 vars., R. C	1 25
STROBILANTHES DYERIANUS, R. C	$1 25 and 1 50
GAZANIA SPLENDENS, R. C	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
CYPERUS, Umbrella Plant, 3 in	4 00
DRACÆNAS INDIVISA and **AUSTRALIS**, 15 to 18 in., 3 in	5 0

Cash with order, please.
GEORGE J. HUGHES, Berlin, N. J.
Mention the Florists' Exchange when writing.

Indianapolis, Ind.

Happenings of the Week.

A lengthy and business-like meeting was held by the State Florists' Association of Indiana at the Commercial Club rooms, Monday, January 12. The afternoon meeting opened with the customary routine business, which was followed by a brief but pointed address upon current topics of interest by the retiring president, J. A. E. Haugh, of Anderson. The election of officers resulted as follows: President, Fred. Dorner, Jr., Lafayette; first vice-president, E. A. Nelson, Indianapolis; second vice-president, Robert McKeand, Marion; secretary, H. Junge, Indianapolis; treasurer, J. Heidenreich, Indianapolis; executive committee, E. G. Hill, A. Stuart, H. Heller, A. Baur, H. Rieman and J. Hartje.

The coming chrysanthemum show was briefly discussed, after which all retired to the dining room, where an elegant supper was served. Toastmaster Haugh brought forth some excellent remarks from those present.

Quite a collection of flowers was on hand. The new yellow rose, Franz Deegen, was exhibited by Heller Bros. and secured the gold medal. John Hartje's white seedling carnation, No. 473, took the bronze medal. This is an excellent carnation and was easily the best white exhibited. Baur & Smith were awarded a certificate of merit for their pink carnation, Indianapolis. Frank Hereth was awarded honorable mention for his pink seedling, as were Stuart & Haugh for their fine collection of Golden Gate and Bride roses, and for their Avondale, Mrs. T. W. Lawson and Mrs. Potter Palmer carnations. This firm had quite a collection of seedlings, including the following: Freedom, Beatrice, John Mitchell and The News. The committee, which consisted of Messrs. Billingsley, Rieman and Huckreide, would like to see more of the last mentioned. John Hartje's No. 432, a bright pink, was also very worthy.

A large shipment of carnations was received from the Chicago Carnation Co., of Joliet, Ill., too late to be staged. A vase of Harlowarden beat anything in the carnation line seen in this city for many a day. There were also some good flowers of Her Majesty and Mrs. Higinbotham.

I. B.

Hoboken, N. J.

Kogge Bros. report good holiday trade and very good business since.

Hendberg reports the best Christmas he ever had.

West Hoboken, N. J.

The coal question here is somewhat improved. While calling on a few growers I find they all had received extra loads of coal from their dealer, who, it seems, is loading them up during a little quiet spell.

Hackensack, N. J.

Henry Hugues says never has he seen any advertisement bring such quick results as the one in your issue of the 3rd inst. In it he advertised for a man, and on the 5th he had filled the position.

THE AMERICAN CARNATION
Now on press. Write for particulars
THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

FANCY OR DAGGER FERNS
$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.
CROWL FERN CO.
MILLINGTON MASS.
Telegraph Office: NEW SALEM, MASS.
Mention the Florists' Exchange when writing.

HIGH-GRADE
AMERICAN BEAUTY
Cut Blooms.
Fresh from the greenhouses, carefully packed, and guaranteed to arrive in good condition. Market prices.
BRIARCLIFF GREENHOUSES, Scarboro, N.Y.
Mention the Florists' Exchange when writing.

JAMES A. HAMMOND
COMMISSION DEALER IN
CUT FLOWERS
Consignments Solicited.
113 West 30th Street, NEW YORK
Telephone 854 Madison Square.

Galax Leaves, Leucothoe Sprays
Green Sheet Moss
W. C. SMITH, Marion, N. C.
Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**
Mention the Florists' Exchange when writing.

Fresh Laurel
Furnished in Large Barrel in any desired form.
Write, Telephone or Telegraph.
ELMER J. RIDEOUT, Brookline, N. H.
Mention the Florists' Exchange when writing.

GALAX AND LEUCOTHOE
We are situated in the heart of the finest section known for the above Evergreens.
Galax, Green and Bronze, 45c. per 1000.
Leucothoe Sprays, Green, $1.75 per 1000; Bronze, $2.50 per 1000.
These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.
F. W. RICHARDS & CO., Banners Elk, N. C.
Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX
Where quality is first consideration), write, wire or phone the introducers,
CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.
Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; VAIL SEED Co., Indianapolis; J. M. McCULLOUGH'S SONS, Cincinnati Ohio.
Mention the Florists' Exchange when writing.

GALAX
Bronze or green, $1.00 per 1000; 75c. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100. **Fancy Ferns**, $1 50 per 1000. **Green Sheet Moss**, fresh stock, $2.50 per bbl. sack. **Sphagnum Moss**, $1.50 per bale. **Southern Wild Smilax**, 60 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50.
L. J. KRESHOVER, 110-112 W. 27th St., N.Y.
Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

Order Direct from Headquarters

A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green** and **Sphagnum Moss**, $1 00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.
We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.
HENRY M. ROBINSON & CO.,
34-36 Court Square, Boston, Mass.
Mention the Florists' Exchange when writing.

AMERICAN BRAND
FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850.
186 GRAND STREET, NEW YORK.
Mention the Florists' Exchange when writing.

BONNOT BROS.
Wholesale Florists
55 and 57 W. 26th St., New York
Coogan Building
Consignments of First-Class Stock Solicited
Telephone: 2438 Madison Square

JAMES McMANUS, Telephone, 759 Madison Square **50 W. 30th St., New York**
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

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Coogan Building
Telephone Call, 299 Madison Square

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53 West 28th Street, NEW YORK
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Telephones: { 2200 Madison Square
2201 Madison Square
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Wholesale Prices of Cut Flowers, New York, January 16, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	50.00 to 75.00
	" extra	30.00 to 40.00
	" No. 1	20.00 to 30.00
	" Culls & ordinary	6.00 to 15.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	15.00 to 25 00
	" extra	12.00 to 15 00
	" No. 1	8.00 to 10.00
	" No. 2	4.00 to 6.00
	Golden Gate	4.00 to 25.00
	Liberty	10.00 to 25.00
	Meteor	4.00 to 10.00
Adiantum		.75 to 1.00
" Peter Crowe		...... to ......
Asparagus		25.00 to 50.00
Callas		10.00 to 15.00
Cattleyas		20.00 to 60.00
Cypripediums		6.00 to 12.50
Dendrobium formosum		30.00 to 35.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		2.00 to 2.50
	Standard Varieties	White	2.50 to 4.00
		Pink	2.50 to 4.00
		Red	2.50 to 4.00
		Yel. & Var.	2.50 to 4.00
	*Fancy— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4 00 to 5.00
	Novelties		8 00 to 10.00
Lilies			12.00 to 15.00
Lily of the Valley			2.00 to 5.00
Narcissus—Paper White			2.00 to 2.50
" —Yellow			2.00 to 4 00
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 20.00
Roman Hyacinths			2.00 to 2.50
Smilax			12.00 to 15.00
Sweet Peas			1.50 to 2.00
Tulips			2.00 to 4.00
Violets			.35 to .75
" special			.75 to 1.25

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Boston.

The Week's News.

The Gardeners and Florists' Club was unable to get a quorum together for the meeting on Tuesday night. There are strong signs of disinterestedness among the club members, and the very ones who complain of it are those who are seldom in attendance to submit suggestions to further the interests of the club.

The many friends of the late Fred. L. Harris learned with regret of his death on Sunday last, at his home in Wellesley, at the advanced age of eighty years and twelve days.

A meeting of flower shippers and others interested is called for Saturday, January 17, at 9 a. m., at the American House, to protest against the unwarranted advance in express rates on cut flowers.

William H. Elliott is cutting fine American Beauty roses at his New Hampshire establishment.

His many friends in the business will be pleased to learn that Judge C. W. Hoitt, of Nashua, N. H., has been elected president of the New Hampshire Senate.

F. J. NORTON.

Bridgeport, Conn.

The sign over Reck's flower store at 985 Main street has been changed. It now reads Reck & Son. Carl Reck, who since his return home has been employed in his father's business, has now become a partner. John Reck started in business for himself at 463 Main street, 25 years ago. He remained 16 years at 463, then removed his flower shop to 985 Main street. During these 25 years of business life he has labored hard to advance the culture of flowers as well as to manifold their use among the public. Carl Reck, after leaving school, worked for two years in his father's greenhouses. He then went to Europe, where he worked in the most prominent flower and seed establishments for nearly two years. On his return he re-entered his father's business.

New Haven, Conn.

The New Haven County Horticultural Society held its first meeting of the year Tuesday, January 6. The members present, of which there was a large attendance, condemned the action of the express companies in raising the rates on cut flowers. The Society appointed a committee to draw up resolutions against the express companies' charges. Between the advanced express rates and the high price of coal, the florists are having a hard Winter. The coal situation is unchanged.

The election of officers for the ensuing year resulted as follows: President, Gustave X. Amhryn; vice-president, Wm. McLean Gardner; treasurer, David Kydd; secretary, Thomas Pettit; board of managers: Robert Angus, John N. Champion, Wm. Ferrier, Robert Paton, J. W. Woodward, including the officers of the Society. It was voted to hold the annual dinner soon.

WM. McLEAN GARDNER.

Providence, R. I.

Club Banquet.

The Florists' Club held its annual banquet at Taft's Hotel, Thursday, the 8th inst., and covers were laid for 40 guests. The attendance was a representative one, including those among us who have the best interests of the business at heart. We had the pleasure of listening to Professor Southwick of the Park Museum, President Smith of the Horticultural Society, Mr. Bryant of A. H. Hews & Co., Mr. Turner of the Putnam Foundry and Boiler Co., and others. The subject of oil as fuel was discussed freely, and although in its infancy, was shown to be the coming heat commodity.

M. Sweeney acted as toastmaster, in a special manner ably aided by President Appleton, both being full of sentiment and reminiscence. The coal question was generally touched upon, but a tone of moderation prevailed, despite the warmth of feeling. Robert Johnston spoke of closer relationship between the employer and his help. F. Macrae was reminiscent of the days of the Hoggs, McNaughton, McCoid, Johnston, Fairbrother, and Kelly.

Mr. Macnair touched upon the probable heavy Spring crop of carnations and the necessity of finding ways and means to fairly and honorably dispose of it. Mr. Chappell mentioned the young men now taking an active interest with their father florists. Altogether the affair was extremely pleasant.

C. S. M.

Fremont, Neb.

During a high wind last week, 400 panes of greenhouse glass were lifted from the establishment of H. Green and shattered. The gap was closed by the use of canvas, but not until a good many of the plants had been damaged. The total loss was about $75.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Jan. 14, 1903	Phil'delphia Jan. 13, 1903	Baltimore	Buffalo Jan. 13, 1903	Pittsburg Jan. 10, 1902
Roses	A. BEAUTY, fancy—special	50.00 to 60.00	.... to	.... to	75.00 to 100.00	65.00 to 80.00
	" extra	35.00 to 40.00	50.00 to 60.00	.... to	50.00 to 60.00	32.00 to 48.00
	" No. 1	16.00 to 25.00	30.00 to 40.00	.... to	35.00 to 40.00	16.00 to 24.00
	" Culls and Ordinary	8.00 to 12.50	20.00 to 25.00	.... to	.... to	4.00 to 8.00
	Queen of Edgely	25.00 to 60.00	25.00 to 60.00	.... to	.... to	.... to ....
	Bride, 'Maid, fancy—special	20.00 to 25.00	.... to	.... to	15.00 to 20.00	15.00 to 20.00
	" extra	16.00 to 20.00	12.00 to 15.00	.... to	12.00 to 15.00	8.00 to 10.00
	" No. 1	10.00 to 12.50	8.00 to 10.00	.... to	8.00 to 10.00	4.00 to 6.00
	" No. 2	4.00 to 6.00	5.00 to 6.00	.... to	4.00 to 6.00	2.00 to 3.00
	Golden Gate	.... to	6.00 to 12.00	.... to	4.00 to 15.00	.... to ....
	K. A. Victoria	.... to	6.00 to 15.00	.... to	to	.... to ....
	Liberty	6.00 to 25.00	12.00 to 40.00	.... to	6.00 to 20.00	.... to ....
	Meteor	4.00 to 12.50	6.00 to 15.00	.... to	4.00 to 15.00	.... to ....
	Perle	.... to	6.00 to 15.00	.... to	5.00 to 8.00	4.00 to 8.00
	ORCHIDS—Cattleyas	.... to	.... to 50.00	.... to	.... to	.... to ....
	Cypripediums	.... to 12.00	.... to 15.00	.... to	.... to 15.00	.... to ....
Carnations	Inferior grades, all colors	1.50 to 2.00	.... to	.... to	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES — White	2.50 to 3.00	2.00 to 3.00	.... to	2.00 to 3.00	2.00 to 2.50
	Pink	2.50 to 3.00	2.00 to 3.00	.... to	2.00 to 3.00	2.00 to 2.50
	Red	2.50 to 3.00	2.00 to 3.00	.... to	2.00 to 3.00	2.00 to 2.50
	Yellow and var.	2.50 to 3.00	2.00 to 3.00	.... to	2.00 to 3.00	2.00 to 2.50
	*FANCY (*The highest grades of standard var) — White	3.50 to 4.00	5.00 to 6.00	.... to	3.00 to 5.00	3.00 to 4.00
	Pink	3.50 to 4.00	5.00 to 6.00	.... to	3.00 to 5.00	3.00 to 4.00
	Red	3.50 to 4.00	5.00 to 6.00	.... to	3.00 to 5.00	3.00 to 4.00
	Yellow and var.	3.50 to 4.00	5.00 to 6.00	.... to	3.00 to 5.00	3.00 to 4.00
	NOVELTIES	4.00 to 5.00	.... to	.... to	6.00 to 8.00	.... to ....
	ADIANTUM	to 1.00	.... to 1.00	.... to	.75 to 1.25	1.25 to 1.50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	.... to	10.00 to 50.00	30.00 to 50.00
	CALLAS	10.00 to 12.50	.... to	.... to	10.00 to 15.00	10.00 to 15.00
	CHRYSANTHEMUMS—Ordinary	.... to	.... to	.... to	.... to	.... to ....
	" Fancy	.... to	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	1.50 to 2.00	.... to	to	1.00 to 2.00
	GALAX LEAVES	.... to	to .10	.... to	.10 to .15	.... to ....
	HYACINTHS	2.00 to 2.50	3.00 to 4.00	.... to	2.00 to 4.00	2.00 to 4.00
	LILIES	8.00 to 12.50	.... to	.... to	.... to 15.00	15.00 to 20.00
	LILY OF THE VALLEY	2.00 to 5.00	4.00 to 6.00	.... to	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	3.00 to 4.00	.... to 4.00	.... to	2.00 to 4.00	3.00 to 6.00
	" Fancy	6.00 to 8.00	to	.... to	5.00 to 6.00	.... to ....
	NARCISSUS	1.50 to 4.00	3.00 to 4.00	.... to	2.00 to 4.00	2.00 to 3.00
	SMILAX	12.00 to 16.00	12.50 to 15.00	.... to	.... to 15.00	10.00 to 15.00
	STEVIA	2.00 to 2.50	.... to	.... to	.... to	.... to ....
	SWEET PEAS	.... to	.... to	.... to	1.00 to 2.00	1.50 to 2.00
	TULIPS	1.00 to 2.00	.... to	.... to	3.00 to 4.00	2.00 to 3.00
	VIOLETS	60 to 1.00	.75 to 1.50	.... to	1.00 to 2.00	.75 to 2.00

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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Jan. 6, '03	St. Louis Jan. 12, '03	Cincinnati Jan. 13, '03	Milwaukee Dec. 28, '02	Detroit Jan. 13, '03
	A. BEAUTY, fancy—special	40.00 to 60.00	...... to 75.00	...... to 50.00	50.00 to 80.00	...... to 50.00
Roses	" extra	32.00 to 40.00	50.00 to 65.00	...... to 40.00	25.00 to 35.00	.... to 40.00
	" No. 1	24.00 to 32.00	25.00 to 40.00	...... to 35.00	12.50 to 15.00	20.00 to 30.00
	" Culls and Ordinary	10.00 to 12.00	10.00 to 20.00	8.00 to 25.00	8.00 to 10.00	...... to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	12.00 to 15.00	...... to 10.00	10.00 to 12.00	...... to 15.00	...... to 10.00
	" extra	10.00 to 12.00	...... to 8.00	8.00 to 10.00	...... to 12.00	...... to 8.[illegible]
	" No. 1	8.00 to 10.00	6.00 to 7.00	...... to 6.00	...... to 8.00	...... to 6.[illegible]
	" No. 2	6.00 to 8.00	4.00 to 5.00	...... to 4.00	...... to 4.00	...... to 5.00
	Golden Gate	6.00 to 12.00	5.00 to 8.00	6.00 to 10.00	8.00 to 15.00	6.00 to 8.00
	K. A. Victoria	...... to	5.00 to 8.00	...... to	8.00 to 12.00	...... to ......
	Liberty	8.00 to 20.00	...... to	4.00 to 10.00	15.00 to 18.00	..... to .....
	Meteor	4.00 to 10.00	5.00 to 8.00	4.00 to 6.00	12.00 to 15.00	6.00 to 12.00
	Perle	6.00 to 15.00	4.00 to 6.00	...... to	8.00 to 10.00	5.00 to 7.00
	ORCHIDS—Cattleyas	50.00 to 75.00	...... to	...... to 60.00	...... to	...... to 50.00
	Cypripediums	...... to	...... to	...... to 25.00	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.50 to 2.00	2.00 to 3.00	..... to 1.50	...... to 3.00	1.50 to 2.00
	STANDARD VARIETIES — White	2.00 to 3.00	3.00 to 4.00	...... to 2.00	..... to 3.00	2.00 to 3.00
	STANDARD VARIETIES — Pink	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	...... to 3.00	2.00 to 3.00
	STANDARD VARIETIES — Red	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	...... to 3.00	2.00 to 3.00
	STANDARD VARIETIES — Yellow and Var.	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	...... to	...... to ......
	*FANCY— (*The highest grades of standard var) — White	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	4.00 to 6.00	3.00 to 4.00
	*FANCY— Pink	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	4.00 to 6.00	3.00 to 4.00
	*FANCY— Red	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	4.00 to 6.00	3.00 to 4.00
	*FANCY— Yellow and Var.	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	4.00 to 6.00	..... to ......
	NOVELTIES	6.00 to 8.00	...... to	..... to	..... to	...... to .....
	ADIANTUM	.75 to 1.00	1.00 to 2.00	...... to 1.50	...... to 1.00	...... to .....
	ASPARAGUS	20.00 to 60.00	10.00 to 20.00	50.00 to 60.00	..... to	10.00 to 75.00
	CALLAS	15.00 to 20.00	12.50 to 15.00	10.00 to 12.00	...... to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS—Ordinary	...... to	...... to	...... to	..... to	...... to ......
	" Fancy	.... to	..... to	...... to	...... to	...... to ......
	DAISIES	1.50 to 2.00	...... to	...... to	...... to .15	...... to ......
	GALAX LEAVES	..... to .15	..... to .15	...... to 15.00	..... to	...... to .10
	HYACINTHS	2.00 to 4.00	3.00 to 4.00	...... to 3.00	...... to	3.00 to 4.00
	LILIES	15.00 to 20.00	..... to	...... to 20.00	...... to	12.50 to 15.00
	LILY OF THE VALLEY	3.00 to 5.00	...... to 4.00	4.00 to 5.00	...... to	5.00 to 6.00
	MIGNONETTE—Ordinary	4.00 to 6.00	..... to	...... to	...... to	...... to 4.00
	" Fancy	6.00 to 8.00	...... to	...... to	...... to	...... to 5.00
	NARCISSUS	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	...... to	3.00 to 4.00
	SMILAX	...... to 15.00	12.50 to 15.00	12.00 to 15.00	..... to 18.00	12.50 to 15.00
	STEVIA	1.00 to 1.50	..... to	...... to	...... to	...... to ...
	SWEET PEAS	..... to 1.50	...... to	...... to	...... to 3.00	...... to 1.00
	TULIPS	6.00 to 8.00	...... to	4.00 to 5.00	...... to	...... to ......
	VIOLETS	.75 to 2.00	...... to 1.00	1.00 to 2.00	1.50 to 2.50	...... to 1.00

JOHN MUNO
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E. G. HILL & CO.
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RICHMOND, IND.

Detroit.

Christmas Notes.

In every instance trade with both the grower and retailer was good. Baskets filled with blooming plants, such as poinsettias, cyclamen, primroses, azaleas, etc., found ready sale at an average price of about $10.00 retail. In cut flowers, violets were most sought after, the supply being short. Every store was tastefully and beautifully decorated for the holidays, each being distinct from the other. Many decorations for parties and openings have occurred during the past two weeks; Schroeter had two big orders out-of-town. Wild smilax was not called for so much as last year, more holly and ground pine being used. The genral verdict is that trade was ahead of that of last season. The weather was propitious, and stock could be easily handled. Very little complaint has been heard in regard to salted flowers.

The coal question is still a serious one in this vicinity. Many had contracts for soft coal, which is the fuel used almost entirely here, but supplies are difficult to obtain, with very little hope for immediate relief.

W. J. Pearce, of Pontiac, has great success with his roses. His shipments to this market for ninety days past have been about 8,000 a month, in addition to the supply used for his home trade.

Klagge, of Mt. Clemens, stil leads in violets. He is also cutting good carnations. Grohman Bros., of Saginaw, had some very fine Bride and Bridesmaid roses. Bishoff had some good violets in limited quantities. Many growers are well stocked with smilax. Holznagel had a nice lot of poinsettias, as did Breitmeyer's Sons.

Hopp & Lemke, of Grand Rapids, sent to the Michigan Cut Flower Exchange eighteen flowers of their long-stemmed seedling rose. It is a sport, and promises to take a foremost place in the ranks of the forcing roses. The variety was shown at the last club meeting on Wednesday evening, and very highly commended.

Loyd Vaughan, of E. H. Hunt, Chicago, was a viistor, as was Charles Schwake, with Charles Meyer, New York.

DILGER.

Cincinnati.

News of the Week.

Vernon Graves, of Richmond, Ind., was in the city last Wednesday looking up the coal situation, as the party who holds his contract is not delivering the fuel fast enough. H. M. Altick, of Dayton, O., was also here on a similar mission.

The Cincinnati Florists' Society, in session Saturday evening, passed resolutions condemning the action of express companies in demanding exorbitant rates on cut flowers, and ordered copies of the resolutions mailed to the agent of each express company and to John N. May, of Summit, N. J. It is gratifying to see that The Society of American Florists is now waking up, and will make an effort at least to help fight the impositions being heaped upon the florists of the United States. Don't let it stop at the express companies: but it should go after the coal barons as well.

The business of the Cincinnati Cut Flower Company has been acquired by J. M. McCullough's Sons, and will be moved to Walnut street. Albert Sunderbruch, I am informed, will be in charge.

E. G. GILLETT.

Buffalo.

News Notes.

Though in the throes of almost a blizzard, the store men are not complaining about business at present. On the contrary, trade generally is called good. Some social functions call for decorating in a moderate way compared with a few weeks ago. Good flowers seem to be had all right about as needed, but prices, that may be termed firm, have to be paid for them.

The new florist firm of Byrne & Slattery opened its doors on Saturday last, at 658 Main street. The store is in a new building, and amply spacious. The furniture is finished in white enamel, silver trimmed, the office and ice box in the after part, with passage way between leading to a rear working space. A metal ceiling is cream-tinted. An announcement folder was distributed, and an attendance called flattering as regards numbers, responded on the opening day, for which made-up novelties and combinations for effect that combined true metropolitan marks of construction were freely displayed.

A lamentable incident was the sudden death, on Friday of last week, of Samuel B. Smiley, of Lancaster, N. Y., from heart failure. Mr. Smiley was locally identified with the growing interests of this vicinity for many years, and ever bore an esteemed character and reputation for integrity. A widow and several children are left to mourn their loss, and the sincere sympathy of the local craft are extended to them. The funeral was held from the family residence on Sunday last.

VIDI.

San Diego, Cal.

The florists of San Diego are not troubled with cold weather or cloudy skies like those in the same line of business in the Eastern States, or even in California farther north. Few in this locality pretend to build costly greenhouses, for even such stock as the poinsettia is a common shrub in gardens about town.

Carnations, roses, smilax, etc., are grown in the open ground, which makes such stock much cheaper than when grown in costly glass structures, and kept warm at present exorbitant prices of coal.

One item of special interest here of late was the visit of Samuel Parsons, Jr., the noted park expert of New York. He spent about ten days here, just before New Year's, looking over our 1,400-acre park, for the purpose of making definite plans later. Mr. Parsons was induced to come out and investigate this matter by Mr. G. W. Marston, a prominent merchant, who becomes responsible financially for this visit and the expense of making plans for future park improvements.

Miss K. O. Sessions had something new for Christmas in the way of a blue fir, or spruce, from the high mountains in the eastern part of the country.

L. M. F.

Poughkeepsie, N. Y.

The annual banquet of the Dutchess County Horticultural Society took place at the Nelson House on the evening of January 8. As usual, the affair was a grand success. There were two toastmasters, Frank E. Lown and Frank Hasbrouck, and they arranged a program of wit and cheerfulness which made the banquet a memorable one. Several of the speakers read imaginary letters from noted personages, such as President Roosevelt, ex-President Cleveland, Governor Odell, Judge Parker, and others. In the alleged letter from the President it was stated that "next to shooting big game, he loves to see the flowers shoot." The other communications made hits as to local matters, and were much enjoyed. Mr. Wager told how he would reform Poughkeepsie. "Every other house in Rhinebeck," he said, "is a violet house, and now they are building in between."

The society met in the afternoon and re-elected the following officers: President, E. Lyman Brown, who last year gathered in over one hundred new members; vice-president, Wm. G. Saltford; treasurer, Charles Mitchell; secretary, Harold Cottam.

Tuxedo, N. Y.

The annual meeting of the Tuxedo Horticultural Society was held on January 6, 1903, C. D. Shaeffer in the chair. The treasurer's report showed a substantial balance on hand in favor of the society. The secretary's report also showed very satisfactory results. This society was organized on January 31, 1902, with nine members; at present there are forty-eight on the roll.

After the regular business was transacted the officers of the past year were re-elected. A press secretary was also elected. The officers are: C. D. Schaeffer, president; George Stewart, vice-president; Thomas Murray, secretary; Frederick Bently, treasurer; James Davidson, press secretary. An executive committee, as follows, was also chosen to carry on the work formerly done by the essay entertainment and exhibition committees: George Stewart, William Hastings, C. D. Schaeffer, R. Franke, J. Davidson, F. Bently and J. Allen.

JAMES DAVIDSON.

Union Hill, N. J.

Joseph Meyer, employed by John Rickert, of New Durham, N. J., was struck by trolley at midnight New Year's Eve. Meyer, in stepping out of the way of one car stepped in front of the one which struck him. Fortunately he was caught in the fender. He received an ugly gash on the head and had several teeth knocked out. His condition is improving.

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A1 SHEEP MANURE,
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FERTILIZER

Pure Bone Meal, specially for greenhouse uses; about 5 per cent. **Nitrogen,** 30 per cent. **Bone Phosphate.** 166-lb. bag, $3.25; half ton, $17.50; ton, $32.50. Cash with order.

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Now on press. See advertisement on page 58.

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Samples Free. For sale by dealers.

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DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

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DEAN'S SYSTEM OF GREENHOUSE HEATING

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DO YOU WANT TO KNOW

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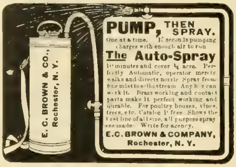
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Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4 88
1500	2¼ " "	5.25
1500	2½ " "	6 00
1000	3 " "	5 00
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144	6 " "	3.16

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120	7 in. pots in crate,	$4.20
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48	9 in. pots in crate,	$3 60
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24	12 " "	4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Best Pot in the Market.

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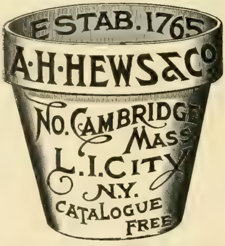

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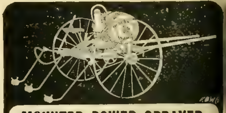

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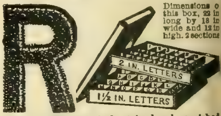
Manufacturers of FLORISTS' LETTERS



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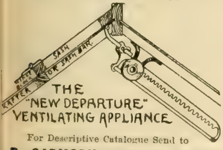
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Orange, N. J.

The annual installation of officers was observed by the New Jersey Floricultural Society on January 7, George Smith becoming President, William Bennett vice-president, Joseph A. Manda secretary, and Malcolm MacRorie treasurer for the coming year. All made short felicitous addresses which contributed much to the pleasant evening.

A vote of thanks was proposed by George Smith to the retiring president, John Hayes, who has just completed a term of office marked by dignity as a presiding officer, and a policy which has sustained the society at home and its good name before the world. The treasurer's report showed a balance of $280—always an indication of health. The past year has been marked by three social entertainments and six addresses upon live topics of interest; while Mr. Hayes has advocated the use of the stereopticon as a means of instruction.

The season just closed has been marked by success to nearly all our florists financially, despite the coal famine, which continues to trouble. Those living close to the railroad and who hauled their own coal upon the first influx after the strike, have done best. Most are subsisting from yard to furnace, as the fuel is doled out to them thus far.

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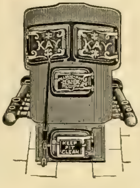

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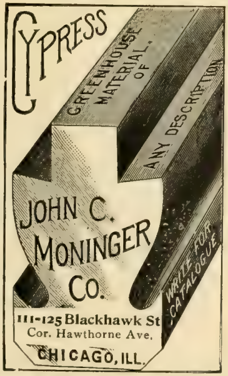

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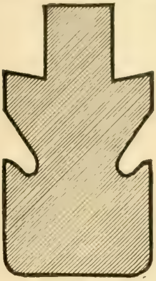

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Construction the Latest,
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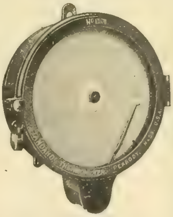

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Clematis Paniculata, strong plants	10.00
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See the Point ☞

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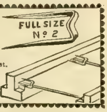

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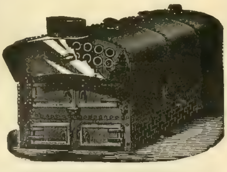

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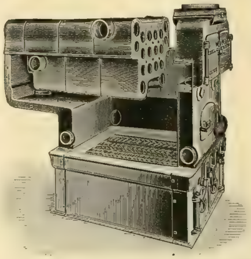

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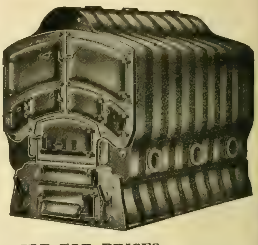

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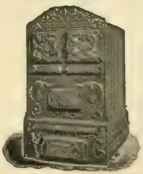

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 4 NEW YORK, JANUARY 24, 1903 One Dollar Per Year

SPIRÆA FOR EASTER FORCING.

We offer a few cases each of the following sorts as below, as long as unsold. These can be shipped afely by freight, as it will not injure them in the slightest if frozen. There is plenty of time to get them n for Easter, if wanted, and they also make good stock for Decoration Day. Now is the time to lay in a tock before they are all sold.

APONICA and COMPACTA MULTIFLORA. Case of 250 clumps for $8.00; in less quantities, $4.00 per 100.

STILBOIDES FLORIBUNDA. Case of 250 clumps for $10.00; in less quantities, $5.00 per 100.

APANESE FERN BALLS

Best Quality, $25.00 per 100.

The surplus bulb stock recently offered has sold fast, but we can still supply the following, in first-class shape, as long as unsold, at prices named below:

MALL SIZED NAMED HYACINTHS.

These are splendid for Easter forcing, and are ne for growing in pans or pots. Nothing is more adily salable. Price is very low, and the bulbs are rst-class—remarkably good for the low price at hich they are offered. They will throw almost as ood flowers as the larger and higher-priced bulbs. you have never flowered these, try a thousand two. You will be pleased with the results. hey cannot fail to make money for you.

The following pink varieties at **only $1.50 er 100; $12.00 per 1000** (worth $16.00 per 1000), z.: Baron van Tuyll, Gen. Pelissier, Gertrude, igantea, Robt. Steiger and Solfatara.

The following blue varieties at **only $1.50 per 00; $12.00 per 1000** (worth $16.00 per 1000), viz.: rand Maitre, King of the Blues, La Peyrouse, has. Dickens, Blondin, Czar Peter; also Tamerlan ellow).

The following white varieties at **only $2.00 per 00; $16.00 per 1000** (worth $22.00 per 1000), viz.: aroness van Tuyll, Grandeur a Merveille, Blanhard, L'Innocence, Mme. Van der Hoop, and Paix l'Europe.

INE NAMED HYACINTHS. Single and Double.

We offer a limited stock of the following varieties first-sized bulbs, at $3.00 per 100; $25.00 per 1000 orth $35.00 per 1000), viz.: La Peyrouse, Regulus, amerlan, Grand Lilas, La Pluie d'Or, Bloksberg, ouquet Tendre, Czar Nicholas, Crown Prince of weden, Flevo, Garrick, Grootvorst, Gen. Antinck, King of Wurtemburg, La Tour d'Auvergne, La Virginite, Lord Anson, Lord Raglan, Othello, Prince of Orange, Prince of Saxe-Weimar and Princess Royal.

HYACINTHS IN SEPARATE COLORS.

We still have a few of these left in singles and doubles, which we offer as long as unsold at **$2.50 per 100; $20.00 per 1000** (worth $26 per 1000).

TULIPS.

SINGLE and DOUBLE.

Most of the varieties here offered are among the very best forcing varieties, especially for late or Easter forcing, viz.: Bizard Verdict, Couleur Ponceau, La Candeur, Yellow Rose, Lady Grandison, Duke of York, Rose Blanche and Count Leicester, at $5.00 per 1000; Cottage Maid, Joost van Vondel, Brutus, Pæony Red, at $6.00 per 1000; Tournesol, red and yellow, Gloria Sohs, Le Blason and Rosine, at $7.00 per 1000; Duc van Tholl, scarlet, and Standard Royal Silver, at $7.50 per 1000; Belle Alliance and Mariage de ma Fille, at $10.00 per 1000; Proserpine, at $12.00 per 1000; White Joost van Vondel and Rose Luisante, at $20.00 per 1000.

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Silver Phœnix and Grandis Maximus, at $15.00 per 1000.

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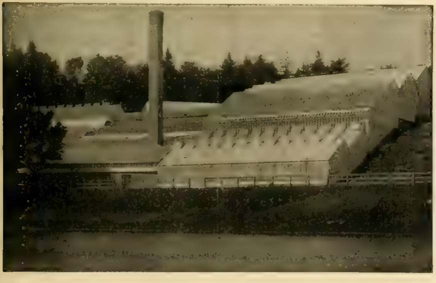

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CUT STRINGS, 50 CTS. EACH.

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FLORISTS' FLOWER SEEDS FOR PRESENT SOWING.

ASTERS	Large Trade Pkt.	Oz.
Semple's and **Vick's Branching,** to color, or mixed, red, white, pink, purple, lavender. 4 ozs. for $3.50	$0.25	$1.00
Queen of the Market, to color or mixed, rose, light blue, white. 4 ozs. for $1.75........	.15	.50
Victoria (German seed), to color or mixed, white, scarlet, light blue, dark blue, pink..ea.	.25	2.00
Daybreak, fine new pink sort	.25	2.00
Purity, fine new white sort...	.25	3.00
ASPARAGUS Sprengeri. Per 100 seeds, 25c.; 1000, $2.00		
ALYSSUM—		
Little Gem, dwarf...........	.10	.25
Maritimum, tall.............	.10	.15
AMPELOPSIS—		
Veitchii.........Per lb., $1.00		.15
CANDYTUFT—		
Empress, finest white........	.10	.20
White Rocket. Per lb. 60c,	.10	.15
CENTEAUREAS—		
Gymnocarpa, white foliage	.15	.50
Candidissima, "	.25	1.00
Margaritæ, Giant White Sultan	.25	.75
Odorata, Giant Red Sultan...	.15	.50
Suaveolens, Giant Yellow Sultan	.15	.60
CLEMATIS—		
Paniculata. Per lb., $5.00	.10	.40
COBÆA SCANDENS—		
Purple........4 ozs. for $1.00	.10	.30
DAISY (Bellis Perennis) -		
Snowball, White Double	.50	2.50
Longfellow, Red, Double,....	.50	2.50

	Large Trade Pkt.	Oz.
DRACÆNA INDIVISA— New seed........per lb.. $2.50.	$0.10	$0.30
IMPERIAL MORNING GLORIES—		
Giant Japanese, lb., $1.50	.05	.20
Giant Fringed, " 3.00	.10	.40
LOBELIA—		
Crystal Palace Compacta, dwarf blue...........	.25	2.50
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MIGNONETTE—		
Allen's Defiance, the best for indoors. Pkt. 2000 seeds for $1.		
Machet..............................	.15	.50
PANSY, *Non Plus Ultra.* No better mixture in existence....	.50	8.00
PYRETHRUM AUREUM—		
Golden Feather..............	.10	.30
SMILAX, New Crop Seed. Per lb., $3.50	.10	.25
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Ten Weeks, choice pot-grown seed double flowers:		
Princess Alice, Cut-and-Come-Again..............................	50	3.00
Separate Colors, or mixed red, white, rose, light blue, purple, etc..............................	.50	2.50
THUNEBRGIA—Mixed..	.10	.25
VERBENA—		
Mammoth Mixed...........	.25	1.00

PETUNIA, Choicest Dbl. Fringed. Pkt. 25 seeds for 35c. **Grandiflora, Single Fringed.** Pkt. 500 seeds for 50c.

SALVIA SPLENDENS—

Scarlet Sage, 1000 seeds, 25c.; oz. $1.75

Drooping Spikes, 1000 seeds. .25c.; oz. $1.75

KENTIA SEED That Will Grow. New Crop. Just Received. **Forsteriana** and **Belmoreana,** per 1000, $4.00; per box of 4000 seeds, $14.00.

JAPANESE FERN BALLS **Now Ready for Delivery.** Large balls, 20 to 30 inches in circumference, $3.50 per doz.; $25.00 per 100; or Full. Original Case of 250 each, $60.00.

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Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

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Ask for Special Trained Fruit Tree Circular.

AZALEAS 5,000 from which to select your stock. In bloom and dormant. See previous ads.

AZALEA MOLLIS, selected plants for forcing, $5.00 per doz.; $40.00 per 100.

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.................	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

ENGLISH IVIES, pot-grown $10.00, $12,00, $15.00 per 100. **Specimens,** $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown, for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown. $5.00 per doz. **WISTERIA SINENSIS,** pot grown, for forcing, $7.50 per doz. **AMYGDALUS,** double, white and pink, $5.00 per doz. **JAPAN FERN BALLS,** dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

LILAC (French)

This has been especially grown for forcing, having been disbudded. The flowers can be cut with stems, 3 ft. long. Extra strong bushes, $10.00 per doz.; $75.00 per 100.

FOR FORCING.

Pot-grown, $6 a doz.; $45 a 100. **Chas. X, Marie Legraye, Mme. Lemoine.**

ROSES Per 100, $10.00; per 1000, $90.00. Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field-grown, extra strong, $4.00 per doz.; $30.00 per 100.

GLADIOLUS, Colvillei alba (The Bride), pure white, 50c per 100; $4.50 per 1000. **Colvillei rubra,** 50c. per 100; $4 50 per 1000.

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000.

DIELYTRA Spectabilis (Bleeding Heart), extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

		100	1000
SPIRÆA	**Japonica**	$4.00	$35.00
"	**Compacta**	4 50	40.00
"	**Astilboides**	5.00	45.00
"	**Gladstone**..............	8.00	

JAPAN LILIES. See Wholesale Catalogue.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country.

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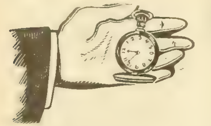

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THAT SOME OF THESE ITEMS WERE PLANTED

MONT BLANC SWEET PEA Considered by one and all the best white for forcing purposes on the market. Quarter of a pound, 30c.; pound, $1.00.

CENTAUREA The silvery leaf gymnocarpa. Trade pkt., 25c.

VERBENA New mammoth, mixed. Selected colors from named varieties. Trade pkt., 25c.

LOBELIA THE TRUE CRYSTAL PALACE VARIETY. Trade pkt., 25c.

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J. A. PETERSON, Cincinnati, Ohio, one of our foremost florists, says: "From 2½ ozs. Aster Queen of the Market and Peony Perfection we marketed sixty thousand salable blooms."

J. A. NEWBY, Logansport, Ind., says: "Your Aster Queen of the Market bloomed here from July 1st until frost and was the best strain I ever had."

We have that same strain to offer this season, guaranteed true to name and of germinating quality, separate colors, ¼ oz., 20c.; oz , 50c.

For full line of Florists' Flower Seeds see our new list.

WALTER MOTT SEED & BULB CO.
JAMESTOWN, N. Y.

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CATALOGUES MAILED FREE.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**
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Probably you have heard of this famous motto for many years but have *you* proved for yourself that Burpee's Seeds are the

BEST that Grow?

If not, write to-day for Burpee's Farm Annual for 1903—so well known as "The Leading American Seed Catalogue." It is an elegant book of 184 pages, with beautiful colored plates and will be sent **FREE to planters** everywhere; —to others upon receipt of 10 cents, which is less than cost per copy in quarter-million editions. **Write TO-DAY. Do not delay!** It is sufficient to address simply

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CINERARIAS from Benary's, Cannell's and Sutton's Prize Show Flowers saved, Giant Flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter, 2½ inch, $2.50 per 100. Cash.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

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California Petunias

Double Fringed Giants, splendid mixed 70 cts. per 1000 seeds.

Single Fringed Grandiflora, splendid mixed, 25 cts. per 1000 seeds; ⅛ oz., $2.00.

SHASTA DAISY 25 cts. per 100 seeds; $2.00 per 1000 seeds.

COBÆA SCANDENS SEED, 25 cts. per oz.; $2.50 per lb.; 5 lbs., $10.00.

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New Crop 1902 Now in Stock.

Really Produces Mushrooms

VAUGHAN'S MUSHROOM SPAWN

We supply the largest growers. Per 100 lb. $6.00 f.o.b. New York; $6.50 f.o.b. Chicago.

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EASTER 1903

	Per 100
Spiræa Japonica, large clumps	$3.00
" **Compacta Multiflora**	3.50
" **Astilboides Floribunda**	4.00
Deutzia Lemoinei, large plants	15.00
Lilacs, for forcing, in best vars.	35.00
Azalea Mollis, fine plants, well budded	40.00
Azalea Pontica, fine plants, well budded	45.00
Roses, Crimson Rambler, own roots	15.00
" Hermosa, La France, and all H. P. vars.	10.00

	Per 100
Fern Balls, first size, 7-9	$22.50
" " extra with tin cups	35.00

Box Trees, Standards, extra fine, each, $2.00.

Box Trees, Pyramids, extra fine, 4 ft., each, $2.50.

A few **Dutch Hyacinths,** extra fine. Also two cases of **Lilium longiflorum,** 7-9, Bermuda grown, still left. No reasonable offer refused.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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Stumpp & Walter Co.'s

SELECT STOCK OF

FLOWER SEED.

AGERATUM, Little Dorrit, Blue.
" Little Dorrit, White.
" Princess Pauline.

ALYSSUM, Little Gem.
" White Carpet.
" Dwarf Bouquet.

ANTIRRHINUM, Dwarf Mixed.
" Large Flowering Tall Mixed.

ASPARAGUS—
Plumosus Nanus, Home grown.
" " California grown.
Sprengeri.

ASTERS

are our specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

Queen of the Market. (SELECTED STRAIN.)

This is the earliest of all, fully three weeks earlier than other Asters.

SELECTED White, Crimson, Rose, Light Blue, Dark Blue, Lilac, Red or mixed. Pkt. 10c.; per ¼ oz., 30c.; per oz., $1.00; per 4 ozs., $3.00

Giant Comet pure white, light blue, dark blue, light rose, crimson or mixed Pkt., 25c.; ¼ oz., 75c.; per oz., $2.00.

Dwarf Chrysanthemum for pots. Pure white, rose, light blue, dar blue, scarlet, or mixed. Pkt., 25c.; ¼ oz., 75c.; per oz., $2.00.

Truffaut's Perfection Pure white, light blue, darx blue, rose, scarlet crimson or mixed. Pkt., 20c.; per ¼ oz., 50c.; per oz., $1.75.

Victoria Selected dwarf. Pure white, light blue, dark blue, pink, crimso scarlet, rose or mixed. Pkt., 25c.; per ¼ oz., 75c.; per oz., $2.50.

Semple's Selected Branching THE FINEST LATE-FLOWERING VARIETY

Long stemmed, free blooming and the very finest for cut flowers.

Semple's Selected Strain Pure white, lavender, purple shell pink rose, crimson or mixed. Pkt., 20c.; per ¼ oz., 50c.; per oz., $1.50.

Daybreak or **Purity** Pkt., 20c.; per ¼ oz., 50c. per oz., $2.00.

BEGONIA VERNON

Per 1-16 oz., 30c.; very dwarf, per pkt., 25c.

	Pkt.	Oz.
CALENDULA—		
Prince of Orange	$0.10	$0.20
Meteor	.10	.20
CANDYTUFT, Empress	.10	.25

	Pkt.	¼ Oz.	Oz.
CENTAUREA—			
Gymnocarpa	$0.10	$0.15	$0.40
Candidissima	.20	.40	1.25
Odorata, light blue	.15	.30	1.00
Margaritæ, white	.15	.30	1.00
COBÆA SCANDENS		.15	.40
DRACÆNA INDIVISA	.10	.20	.75
LOBELIA—			
Erecta, Crystal Palace Compacta, fine for pots	.25	1.00	3.00
Emperor William	.20	.50	1.50
MARIGOLD—			
Little Brownie, fine for pots		.10	.25

MIGNONETTE—

Machet, true strain, excellent for pots, thick spikes of reddish flowers, carefully selected strain, pkt., 10c.; ¼ oz., 25c.; oz., 75c.

Allen's Defiance, pkt., 25c.; ¼ oz., $1.25; oz., $4.00.

NASTURTIUM—

Dwarf Mixed, oz., 10c.

Empress of India, ¼ oz., 10c.; oz., 30c.

PETUNIA—

S. & W. Co. Strain, fringed, larg flowering double mixed. Produc from 30 to 35 per cent. of plants, wit charming double fringed flowe Quality unsurpassed. Pkt., $1 00.

Large Flowering Single Fringed, mixe Per 1-64 oz., $1.00; pkt., 50c.

PHLOX DRUMMOMDII, Dwarf, purpl Fireball, Snowball, blue-striped, ch mois rose, Surprise, Defiance. Pkt 15c.; ¼ oz., 75c.; oz., $2.50.

PRIMULA OBCONICA, rose, red, lilac mixed. Pkt., 25c.

SALVIA—

Bonfire or **Clara Bedman**. Pkt., 25c ¼ oz., 75c.; oz., $2.50.

Splendens. Pkt., 15c.; ¼ oz., 50c oz., $1.50.

SMILAX, cultivated seed. Per lb., $3.0 ¼ oz., 10c.; oz., 35c.

STOCK—

Large Flowering 10 Weeks. Whit canary-yellow, rose, brilliant ros shining purple, blood red, lila crimson or mixed. Per pkt., 25c ¼ oz., $1.00; oz., $3.00.

Imp. Giant Perfection. The very fine stock for cut flowers. White, chamo rose, fiery crimson, light blue, da blue, sulphur yellow, dark brown mixed. Per pkt., 25c.; ¼ oz., $1.0 oz., $4.00.

VERBENA. Superb Mammoth Mixed. P pkt., 15c.; ¼ oz., 45c.; oz., $1.50.

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Branch Store: 404 East 34th Street.

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BEGONIAS--GLOXINIAS

SPLENDID BULBS
1¼-1½ inches in diameter.

	Doz	100	1000
TUBEROUS ROOTED BEGONIAS, Single Choice Mixed	$0 35	$2 50	$24 00
" " " " Separate Colors	40	2 75	
" " " Double Choice Mixed	50	4 00	
" " " " Separate Colors	65	5 00	
GLOXINIAS, Large Flowering Crassifolia Erecta, Choice Mixed	50	4 00	
" " " Named, Separate Colors Extra Large Bulbs	75	5 00	

Japanese Fern Balls,

LONG-LEAVED VARIETY.
Extra large size, 30c. each.
$3.00 per doz.; $24.00 per 100.

JAPANESE LILIES-In splendid condition

	Doz.	100	1000
LILIUM AURATUM, Golden Banded 8-9	$0 75	$4 50	$42 00
" " " " 9-11	1 00	6 75	65 00
LILIUM SPECIOSUM (LANCIFOLIUM) ALBUM, 8-9	75	4 75	45 00
" " " " 9-11	90	6 00	56 00
" " " **RUBRUM,** 8-9	75	4 75	45 00
" " " " 9-11	90	6 75	65 00

NEW CROP FLOWER SEEDS READY. Quality Unsurpassed

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

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SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

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114 Chambers St., NEW YORK.

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MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, **Concordville, Pa.**

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR GLADIOLI

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock of Gladiolus in the world."

We List Over 200 Named Kinds.

		100	1000
POPULAR	Mixed	$0.80	$7.00
ALL COLORS	"	1.00	9.00
CHILDSI	"	1.75	15.00
LEMOINE'S	"	1.50	10.00
WHITE AND LIGHT	"	1.50	12.00

		100	1000
SCARLET AND RED	Mixed	$1.00	$7 00
PINK	"	1. 5	10.00
BRENCHLEYENSIS		.75	6.00
CERES		1.00	8.00
LA MARCK		3.00	15.00

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Special discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS, Floral Park, New York

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

102,400 two, three and four years old. Largest stock in the country.
Prices on Application.

TOBACCO STEMS

Good as can be bought. Fresh from the factory, here in Elizabeth.
70 cents per 100 lbs.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

NEW CROP FLOWER SEEDS

ASPARAGUS SPRENGERI New Crop Home Grown. 100 seeds, 15c.; 500 seeds, 70c.; 1000 seeds, $1.25.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped, oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, **Allegheny, Pa.**

Mention the Florists' Exchange when writing.

PURITY

(MICHELL'S)

Undoubtedly The Finest

WHITE ASTER

GROWN FOR MARKET

TRADE PKT., 30c.; OZ., $2.50

Send for NEW WHOLESALE LIST.

HENRY F. MICHELL
Seed Growers and Importers
1018 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

FRESH FLOWER SEEDS

NOW READY. 10 per cent Discount for Cash.

See OFFER, page 50, last issue this paper; STILL HOLDS GOOD.

Tuberous Begonias, Fern Balls, Gladiolus, Gloxinia, Tuberoses,
ALL SPRING BULBS.

WRITE FOR PRICES.

LILY OF THE VALLEY, INTERNATIONAL, $10.00 per 1000.

VAUGHAN'S SEED STORE,
84 & 86 Randolph St., CHICAGO.
14 Barclay Street, NEW YORK.

Mention the Florists' Exchange when writing.

GLADIOLI

In order that the Florists of the United States may become familiar with the exceptional high quality of **Groff's Hybrid Seedlings** (genuine) and as an incentive for them to purchase a trial lot of this stock, I have concluded to submit the following offer:

For $25.00, cash with order, with mention of this advertisement, sent prior to February 12th, I will send

1,000 GROFF'S HYBRID SEEDLINGS, Blooming Bulbs,

together with your choice of the following, gratis:

500 May Gladioli
300 Smoky and Slaty Hybrids
350 Burbank's California Select
500 Mixed Lemoine

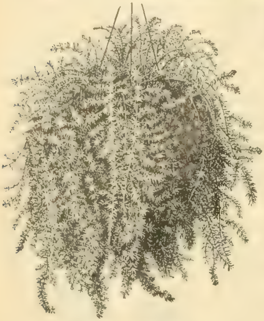
Under this arrangement, orders sent in the same manner to the following seedsmen will be honored by them and executed here the same as if sent direct to me:

Henry A. Dreer, Inc., Philadelphia, Pa.
D. Landreth & Sons, Philadelphia, Pa.
Wm. Henry Maule, Philadelphia, Pa.
Jos. Breck & Sons Corp., Boston, Mass.
Stumpp & Walter Co., New York
Conard & Jones, West Grove, Pa.
W. W. Barnard Co., Chicago, Ill.
Henry F. Michell, Philadelphia, Pa.
Johnson & Stokes, Philadelphia, Pa.
Schlegel & Fottler Co., Boston, Mass.
W. W. Rawson & Co., Boston, Mass.
Bobbink & Atkins, Rutherford, N. J.
Walter Mott Seed & Bulb Co., Jamestown, N. Y.
Northrup, King & Co., Minneapolis, Minn.

ARTHUR COWEE
MEADOWVALE FARM, BERLIN, N. Y.

DREER'S RELIABLE FLOWER SEEDS

The following is a short list of varieties which should be sown early. All are new crop of the finest possible quality and ready for immediate delivery, with the exception of the Asparagus, new crop of which is due within two weeks. Orders for same will be booked and filled in rotation as the crop arrives.



ASPARAGUS SPRENGERI

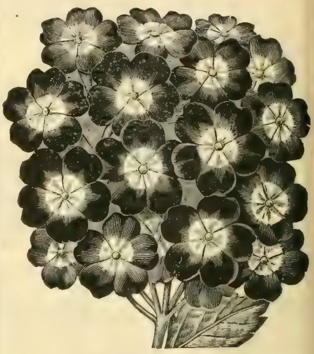
	Trade pkt.	Oz.
Ageratum, Blue Perfection, dark	$0.15	$0.50
" Cope's Pet, light	.15	.35
Alyssum, Little Gem, very dwarf	.10	.25
" Tom Thumb, dwarf, erect	.10	.20
" Sweet, trailing	.10	.15
Aster, Queen of the Market, white	.20	.60
" " " " pink	.20	.60
" " " " crimson	.20	.60
" " " " purple	.20	.60
" " " " finest mixed	.15	.50
Asparagus Plumosus Nanus, $1.00 per 100 seeds; $7.50 per 1000 seeds		
" **Sprengeri** .15 " " 1.25 " "		
Begonia semperflorens, mixed	.25	
Browallia speciosa major	.50	
Centaurea candidissima	.25	1.50
" gymnocarpa	.15	.35
Cineraria maritima	.10	.20
" acanthifolia	.20	.75
Cobaea scandens, purple	.10	.30
" " white	.20	.75
Cyclamen persicum, finest mixed	.30	2.00
	Per 100 seeds	Per 1000 seeds.
" per. giganteum, white	.75	6.00
" " " blood red	.75	6.00
" " " rose	.75	6.00
" " " white, with red eye	.75	6.00
" " " choicest mixed	.60	5.00

Dahlia, Twentieth Century, new, 17 cts. per pkt.; 5 pkts., 75 cts.; 12 pkts., $1.75.

	Trade pkt.	Oz.
Dracæna indivisa	$0.10	$0.30
" Australis	.20	.60
Pennisetum longistylum	.10	.25
" Rueppeleanum	.15	.40
Grevillea robusta	.15	.40
Heliotrope, Lemoine's Giant, mixed	.40	2.00
" Finest ordinary mixed	.20	.75
Ipomœa grandiflora Moonflower	.15	.50
Lantana, finest mixed	.10	.20
Linaria Kenilworth Ivy	.25	1.25
Lobelia, Crystal Palace compacta	.30	1.25
" speciosa, dark blue, trailing	.15	.50
" gracilis, light " "	.15	.40
Petunia, Dreer's Superb Double Fringed, the finest strain of double Petunia in the whole world. 500 seeds, 75 cts.; 1000 seeds, $1.50.		

	Trade pkt.	Oz.
Petunia, Dreer's Superb Single Fringed	$0.50	
Pyrethrum aureum (Golden Feather)	.10	$0.25
Salvia splendens (scarlet sage)	.25	1.00
" Bonfire, dwarf compact	.40	2.25
" Burning Bush, tall	.30	1.50
Smilax, per lb., $3.50.	.10	.30
Solanum capsicastrum (Jerusalem Cherry)	.10	.30
Stock, large flowering, 10 weeks, in separate colors	.40	2.25
Finest mixed	.30	2.00
Cut and Come Again (Princess Alice)	.50	3.00
	¼ lb.	lb.
Sweet Peas, Blanche Ferry, extra early, oz., 5c.	$0.10	$0.25

	¼ lb.	lb.
Sweet Peas, Earliest of All, oz., 5c	$0.10	$0.30
" " Mont Blanc, oz., 10c.	.20	.60
	Trade pkt.	**Oz.**
Torenia Fournieri	$0.30	$2.00
Verbena, Dreer's Mammoth, pink	.30	1.50
" " " scarlet	.30	1.50
" " " white	.30	1.50
" " " purple	.30	1.50
" " " striped	.30	1.50
" " " finest mixed	.25	1.00
" hybrida, very fine, mixed	.20	.75
Vinca, rosea	.15	.50
" " alba	.15	.50
" " " pura	.15	.50
" " mixed	.15	.40



DREER'S MAMMOTH VERBENA

FOR A COMPLETE LIST OF FLOWER SEEDS SEE OUR NEW WHOLESALE PRICE LIST FOR JANUARY, FREE ON APPLICATION.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

The American Carnation

By C. W. Ward.

Price, $3.50. Write for Particulars.

PLANT CULTURE

By Geo. W. Oliver.

Price, $1.00. Write for Sample Pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2-8 Duane Street, New York

---

FARQUHAR'S

RELIABLE

FLOWER SEEDS

FOR IMMEDIATE SOWING.

		Oz.
AGERATUM Mexicanum		$0 30
ASTER, American Branching, mixed		1 00
" " " separate colors		1 00
" Queen of the Market, mixed		50
" " " " separate colors		60
CANDYTUFT, Giant White	¼ lb., $1.00	30
CENTAUREA, Gymnocarpa		40
CARNATION, Marguerite, choice mixed		1 25
CYCLAMEN, Columbian Prize—	100 Seeds.	1000 Seeds.
Farquhar's Giant White	$1 25	$10 00
Farquhar's Giant Pink	1 25	10 00
Farquhar's Giant Crimson	1 25	10 00
		Oz.
LOBELIA, Crystal Palace Compacta	¼ oz., 50c.	$1 25
" Gracilis		40
MIGNONETTE, Evans' Boston Giant		1 00
" Machet		50
PETUNIA, California Ruffled Giant	1-32 oz., $1.25	
SALVIA, Glory of Stuttgart, very fine		2 25
" Bonfire		2 25
STOCK, Cut-and-Come-Again, white		3 00
" Farquhar's White Column	¼ oz., $2.00	
VERBENA, Farquhar's Mammoth Hybrid, mixed		1 00
" " " " separate colors		1 50

SWEET PEAS—	Oz.	¼ lb.	lb.
Earliest of All	$0 10	$0 15	$0 35
Extra Early Blanche Ferry	05	10	30
Mont Blanc	10	20	60
Katharine Tracy	05	10	30
New Countess	05	10	30

If less than ¼ oz. of a kind is ordered a proportionate advance in price will be charged.

R. & J. FARQUHAR & CO.,
6 & 7 SOUTH MARKET STREET, BOSTON, MASS.

DAHLIAS CLEARANCE . . . SALE . . .

Having decided to devote our entire plant to the growing of Carnations, we offer the remainder of the 1902 crop of Dahlia Roots at greatly reduced rates. We offer nothing but merchantable, whole field grown roots. Price except where noted $4.00 per 100, not less than five of a kind. When 250 or more are ordered, accompanied **with cash, 10 per cent. may be deducted from prices named.**

WHITE DAHLIAS.

Per 100
350 **BEAUTY,** show, large flower ... $5 00
100 **CAMELLIA ALBA**
200 **PRINCESS BONNIE** ... 5 00
200 **SNOW.**
50 **WHITE DOVE.**
750 **STORM KING,** best white cut flower ... 6 00
175 **LITTLE BESSIE** (Pompon Quilled)
1000 **GRAND DUKE ALEXIS,** largest size, white tinged pink, sells at sight ... 7 00
875 **HENRY PATRICK,** decorative, fine for cutting ... 5 00
150 **MRS. PEART** (Cactus).
1850 **SNOWCLAD** (Pompon), fine for funeral work.
1825 **SNOWBALL,** a perfect ball of snow, larger than Pompon.
100 **GUIDING STAR** ... 5 00
425 **HARRY FREEMAN,** decorative, large, fine ... 5 00
250 **WHITE SWAN** ... 5 00
450 **MARGUERITE BRUANT,** large, fine flower.

SHADES OF PINK, ROSE AND LAVENDER.

700 **ARABELLA** (Pale Primrose Tip Lavender), fine flower.
400 **APPLE BLOSSOM** (Apple Blossom Pink), large flower.
725 **BIRD OF PARADISE** (Rosy White), shaded pink.
225 **MARGUERITE** (Rosy Lilac), shaded lavender, quilled.
200 **MRS. GEO. REED** (White Flaked Rose).
1425 **NYMPHÆA** (Pink Water Lily Dahlia), fine cut flower.
725 **SPORT** (Pure Lavender, Pompon)
1150 **A. D LIVONI** (Clear La France Pink), quilled flower, fine. $5 00 per 100
250 **MAY LOMAS,** large and fine, white shaded rose. $5.00 per 100.
750 **SOUV. DE MME MOREAU** fine pink on good stem, cut flower variety.
550 **SPRING POMPON** (Yellow Shaded Pink).
165 **GERMANIA GIANT,** immense, flower on long stem, white, shaded pink. $6.00 per 100.
600 **MISS F SHEARER** (Soft Lilac), medium size.
50 **DAYBREAK.**

SCARLET AND CRIMSON, DECORATIVE.

625 **AURORA** large glowing blood red, well formed, long stem, excellent cut flower. $5.00 per 100.
50 **SCARLET GEM.**
325 **FIRE KING,** glowing fiery red, good form.
150 **CRIMSON BALL.**
50 **RUBY QUEEN.**
100 **EMPRESS OF INDIA,** crimson magenta.
300 **COCHINEAL,** brilliant crimson.
100 **BLACK PRINCE,** crimson maroon.
50 **PRINCE BISMARCK,** deep maroon.
725 **JOHN BRAGG,** blackish maroon, fine flower.
600 **ELECTRIC,** glowing crimson scarlet, fine.
725 **LORD LYNDHURST,** bright scarlet.
50 **OBAN.**
525 **CONSTANCY,** rich reddish amber, fine form.
1800 **WM. AGNEW,** glistening scarlet crimson, immense flower.
100 **GLORIOSA** (Scarlet Cactus), fine for bedding or cutting.
150 **ORIENTAL,** orange scarlet.
50 **VIVID** (Pompon), red.
400 **RED AND BLACK,** crimson, edged jet black, fine flower.

YELLOW DECORATIVE.

1800 **C W. BRUTON,** fine canary yellow, immense flower.
1400 **QUEEN VICTORIA,** fine pure yellow, large quilled flower, on long stems, good for cutting.
1325 **WILLIAM PIERCE,** rich butter yellow.
400 **PLUTON,** large clear yellow.
250 **MISS BROWING,** yellow tipped white, fine.

FANCY DAHLIAS.

750 **CHILDS' JEWEL,** large flowers of many colors, from deep crimson to blush white, spotted and variegated, great bloomer.
1500 **FERN LEAF BEAUTY,** beautiful fern leaf variety, white striped, deep crimson.
100 **GUINEA HEN** (Pompon), crimson, tipped white.
75 **XANTHIA.**
150 **FAIRY QUEEN,** yellow-edged rose, pompon.
150 **SUN DEW**
250 **BLUMENFALTER,** plum, quilled.
150 **IRIDESCENT.**
300 **DAWN OF DAY,** large yellow-edged rose.
150 **QUAKER LADY,** orange shaded and variegated rose, fine.
75 **MRS. J. DOUGLAS,** pinkish salmon.
100 **MISS LOU KRAMER,** yellow, tipped rose, pompon.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, PURCELLVILLE, VA.,
NEAR WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

PHILADELPHIA, PA.—W. Atlee Burpee & Co. announce in their wholesale price list for market gardeners, florists, and farmers, that they have secured the services of an assistant who for many years was employed in the best seed house in Germany, and that orders and inquiries addressed to the concern in the language of the Fatherland will be carefully attended to.

ST. PAUL.—The lateness of foreign crops this season is causing serious delay to the seedsmen who have a Southern trade. Importations are fully a month later than usual, while the slowness of freights on the railroads causes another delay of two weeks or more; consequently, Southern planters will necessarily be late in their first plantings.

The customs authorities have relented somewhat in their attitude toward importers, and by an order from the Secretary of the Treasury are supplying seedsmen with all the information possible regarding prices, with the reservation, however, that the Department will not fix prices for any one, but will give all information possible regarding them. This is a step, at least, in the right direction.

Recent callers were: W. H. Small, of Evansville, Ind.; and W. H. Grenell and A. T. Ferrell, of Saginaw, Mich.

VERITAS.

Alfalfa and Insects on Vine Seeds.

Editor Florists' Exchange:

We enclose herewith letter received from the entomologist of our State university in response to a clipping sent to Professor T. L. Lyon, taken from The Florists' Exchange, in relation to alfalfa helping to produce the insects that have affected the vine seed crops.

We questioned this item and sent it to the professor for his opinion, and you note his reply.

Western Seed and Irrigation Co.,
FRANK T. EMERSON,
General Manager.

Waterloo, Neb.

P. S.—We have never lost a seed crop of any kind from grasshoppers.—F. T. E.

(Letter referred to.)

Your favor of the 7th inst. addressed to Professor T. L. Lyon has been referred to me for reply. I have glanced over the newspaper clipping in The Florists' Exchange to which you refer me, and am confident that the correspondent has no grounds whatever for his assertion, since alfalfa is so entirely different from the cucurbs that the insect enemies of the two will be entirely different. In other words, insects which feed on the alfalfa will in no wise trouble the vines of melons, cucumbers, and squash; neither will the latter transfer their attention to the alfalfa. I cannot say so much, however, concerning the grasshoppers, which naturally become more numerous in alfalfa growing districts, since these are not confined to any one particular kind of plant, but rather are apt to feed upon all sorts of cultivated vegetation growing in the vicinity of alfalfa fields.

LAWRENCE BRUNER.

European Notes.

The position of the European trade as regards peas is becoming somewhat acute. Owing to the wellnigh incessant rains, it has not been safe to open the pea stacks for threshing; consequently, the full extent of the shortage, and the additional loss to be incurred in the picking, is only now becoming apparent. Every day has a fresh and disagreeable surprise in this direction, and deliveries are becoming almost unreasonably late.

Radishes, particularly those planted on fairly strong land, are almost equally troublesome and backward, but the yield, when ascertained, is not so disappointing. The same is true of carrots, particularly the short varieties; but the damp air which surrounds us on every hand makes the work of "bearding" the seed both tedious and difficult.

In other years it has often been possible to fill orders with strong growing, fully matured seed of the previous harvest. Owing to the almost total failure in 1901, this is not now possible, and the delay, which we all deplore, is inevitable.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

MARK T. THOMPSON, Rio Vista, Va.—Price List of Strawberry Plants, etc.

COLE, PELLA, IA.—Catalogue of Garden, Farm, and Flower Seeds. Illustrated.

WILLIAM BULL & SONS, Chelsea, London, England.—Catalogue of Seeds, etc. Illustrated.

ELBRIDGE E. WHEELER, Bridgeport, Conn.—Illustrated catalogue of Seeds, Plants and Bulbs.

HENRY A. DREER, Philadelphia.—Wholesale Price List of Flower Seeds, Plants, Sundries, etc.

BARTELDES & CO., Denver, Colo.—Price List and Descriptive Catalogue of Seeds, Supplies, etc.

KROGER & SWENKE, Schoneberg, Berlin, Germany.—Price list of Garden and Field Seeds, etc.

SMITH BROTHERS, Concord, Ga.—Descriptive Catalogue of Fruit and Ornamental Trees, etc. Illustrated.

THE GEO. H. MELLEN CO., Springfield, O.—Illustrated Catalogue of Plants, Seeds, etc. Roses a specialty.

THE CONARD & JONES CO., West Grove, Pa.—General Catalogue for 1903. Roses and Cannas, specialties.

W. C. BECKERT, Allegheny, Pa.—Catalogue of Garden, Field and Flower Seeds, Supplies, etc. Illustrated.

F. DORNER & SONS CO., Lafayette, Ind.—Price List of Rooted Cuttings of Carnations, including novelties.

JOHN PEED & SON, West Norwood, London, S. E.—Illustrated Catalogue of Seeds, Plants, Bulbs, Requisites, etc.

WALTER MOTT SEED & BULB COMPANY, Jamestown, N. Y.—Catalogue of Plants, Seeds, Sundries, etc. Illustrated.

W. ATLEE BURPEE & CO., Philadelphia.—Wholesale Catalogue for Seedsmen and Dealers only who buy to sell again.

J. D. THOMPSON CARNATION COMPANY, Joliet, Ill.—Price List of Rooted Cuttings of Carnations, including all the novelties.

HASKELL AVENUE FLORAL COMPANY, Dallas, Tex.—Illustrated Catalogue of Roses and other Stock for the Southern Planter.

W. & T. SMITH, Geneva, N. Y.—General Catalogue of Fruit and Ornamental Trees, Shrubs, Roses, very complete and profusely illustrated.

ALEXANDER SEED CO., Augusta, Ga.—Annual Catalogue of Garden, Field, and Flower Seeds, Implements, Fertilizers, etc. Illustrated.

JULIUS HEURLIN, South Braintree, Mass.—Price List of Trees, Shrubs and Vines; also of Hardy Herbaceous Perennials and Alpine Plants.

DINGEE & CONARD CO., West Grove, Pa.—General Catalogue for 1903, containing several colored plates of the new roses, which plants are a specialty here.

NANZ & NEUNER, Louisville, Ky.—Floral Catalogue for 1903. A very comprehensive list of Roses is included, with useful cultural notes. Illustrated.

D. LANDRETH & SONS, Philadelphia, Pa.—Seed Catalogue for 1903. The cover subjects are tuberous begonias and a collection of garden vegetables. A large and comprehensive list of novelties is furnished.

STORRS & HARRISON CO., Painesville, O.—Illustrated Catalogue of Seeds, Plants, Shrubs, Vines, Fruit Trees, etc. A very comprehensive catalogue. This is the 49th year that this well-known firm has been established. Its home farms comprise over 1,000 acres.

HENRY F. MICHELL, Philadelphia.—Catalogue of Seeds, Plants, Bulbs, etc. A very complete catalogue, including lists of novelties and specialties. A colored plate of Michell's Gilt-edged sweet peas is furnished; also wholesale price list for florists and market gardeners. Illustrated.

IOWA SEED COMPANY, Des Moines, Ia.—Thirty-third Annual Catalogue of Seeds, Plants, etc. Farm Seeds a specialty, a very complete list of seed corn and field seeds being supplied. The firm has erected 16 new greenhouses the past year, and its floral trial grounds comprise 12 acres.

LONG ISLAND GROWN
CABBAGE SEED
Ask for prices for 1903 crop; also on surplus stock 1902 crop.
B. E. GOODALE, Grower,
Calverton, L. I., N. Y.
Mention the Florists' Exchange when writing.

GLADIOLI
Cheap for cash, Gladioli Ma[illegible] and Groff's Hybrids, large bulbs, $[illegible] per 1000. 1 to 1 1-4, all will bloom, $4.[illegible] per 1000. [illegible] per 1000. [illegible] $2.50 per 1000. [illegible] per 1000. Bulblets, $[illegible] per bushel. These prices are the cheapest in the United States for stock strictly true to name. But few chances in your lifetime to secure small stock at such low prices. Sample for stamp.
P. O. COBLENTZ, New Madison, Ohio
Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS
LIST FREE ON APPLICATION
FRED. ROEMER, Seed Grower
Quedlinburg, Germany
Mention the Florists' Exchange when writing.

HYBRID CARNATION SEED
:: MIXED. ::
From Mrs. Lawson, Gov. Roosevelt, Wolcott, Viola[illegible], Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.
CALIFORNIA CARNATION CO.
LOOMIS, CAL.
Mention the Florists' Exchange when writing.

American Bulb Growers Co.
Wholesale Bulb Growers,
PETERSBURG, VIRGINIA.
Send for Catalogue.
Mention the Florists' Exchange when writing.

MUSHROOM SPAWN
First Quality
Strictly Fresh
LOWEST PRICES.
WRITE FOR SPECIAL QUOTATIONS
JAMES VICK'S SONS
ROCHESTER, NEW YORK
Mention the Florists' Exchange when writing.

Established 1802.
Thorburn's Seeds
For over a hundred years have been universally recognized as the standard of excellence.
Our Catalogue for 1903 is now ready and will be mailed free on application. We handle only the very highest class seeds, making a specialty of choice flower seeds for florists, and selected vegetable seeds for market gardeners. For nurserymen we have a very full line of native and foreign tree and shrub seeds and full lines of hybrid French Gladioli, Japan Lilies and Irises, etc. Our general descriptive catalogue, the handsomest, most complete and most reliable published, will also be mailed free to parties interested.
J. M. THORBURN & CO.
36 Cortlandt St. New York
Mention the Florists' Exchange when writing.

SEE ADVERTISEMENT
OF 17th.
[illegible]
H. H. BERGER & CO.,
47 Barclay St., N. Y.
Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.
Send for Prices
HELLER & CO.
MONTCLAIR, N. J.
Mention the Florists' Exchange when writing.

PRIMROSES
Improved Chinese. Well known as the finest grown; single and double; strong 3 in., in bud and bloom, $3.00 per 100.
IRISH SHAMROCK Strong plants $5.00 per 100, or 70 cts. per doz., by mail.
XXX SEEDS
Verbena Grandiflora. Finest mammoth flowering mixed. 1000 seeds, 50c.
Cineraria. Finest large flowering dwarf. 1000 seeds, 50c.
Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture, 200 seeds, $1.00; half pkt., 50c.
Phlox Pumila Compacta. Very dwarf and compact, grand for pots, in finest colors, mixed. Trade pkt. 25c.
Alyssum Compactum. The most dwarf and compact variety grown, perfect little balls when grown in pots. Trade pkt. 25c.
Chinese Primrose. Finest large-flowering fringed varieties, mixed, single and double. 500 seeds, $1.00; half pkt. 50c.
Pansy, Finest Giants. The best large-flowering varieties, critically selected, mixed, 5000 seeds, $1.00; half pkt., 50c.
CASH. Extras added to every order.
JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES
Mention the Florists' Exchange when writing.

Grow CANNAS
Don't need much
COAL
STRONG ROOTS, 2 to 3 EYES
Best Varieties

	Height.	Doz.	100
Alphonse Bouvier, crimson with green foliage	6 ft.	$0 50	$3 50
Allemania, salmon, edged with yellow	6 "	50	4 00
Alsace, sulphur	4½ "	50	4 00
Austria, canary yellow	6 "	50	4 00
Beaute Poitevine, tree flowering crimson	4 "	50	4 00
Black Beauty, finest bronze foliage	6 "	1 25	10 00
Chas. Henderson, crimson	3 "	50	3 50
Duke of Marlboro, deep crimson	4 "	75	5 00
Egandale, cherry red with bronze foliage	4 "	50	4 00
Florence Vaughan, yellow spotted	4 "	50	3 50
Italia, scarlet, golden border	6 "	50	4 00
Kate Gray, scarlet and gold immense truss	6 "	1 25	9 00
Mlle. Berat, best pink	4 "	75	5 00
Mme. Crozy, scarlet, gilt edge	4 "	50	3 50
Pres. Carnot, cherry red, bronze foliage	[illegible]	50	4 00
Pres. McKinley, brilliant crimson	3 "	50	4 00
Queen Charlotte, scarlet, gilt edge	[illegible]	50	[illegible]
Souv. d'Antoine Crozy, scarlet with broad golden yellow band	"	50	4 00

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Pot-Grown Lilacs, Hydrangea in Sorts.
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Ampelopsis (Vitis) tricolor, 3 to 6 inch	$2 00	
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HYDRANGEA PANICULATA GRANDIFLORA, 4 to 6 inch, fine little plants	2 50	20 00
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	100	1000
Kerria Japonica variegata, 6 inch	$2 50	20 00
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Lycium sinensis (true), 12 to 18 inch	2 50	20 00
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" **candida,** 9 to 12 inch	2 50	20 00
" **Descartes,** 9 to 12 inch	3 00	
" **incarnata,** 9 to 12 inch	3 00	
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WEIGELA, NANA VARIEGATA, 6 to 8 inch	2 50	20 00

All are well-rooted with well matured wood and in perfect condition.

Order now for Spring shipment while stock is full. Orders will be filled in rotation as received

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$7.00 per 100.

Otaksa Thos. Hogg

Strong out-door plants with 3 to 5 flowering crowns. Suitable for 6-in. or 7-in. pots.

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FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots ....$20 00 per 100
15-18 in., " " " .. 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots .... $20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots ... ..$20 00 per 100
18-24 in., " " " ...... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each

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Climbing Clothilde Soupert,
Strong field-grown .... $10 00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in. pots .. ...$8 00 per 100

FICUS ELASTICA (Top Cu

10-12 in .... $20 00 per 100

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12-15 in., 5 ch. lvs., 3-in. pots..........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots ....$15 00 per 100
(Not less than 40 of a class at 100 rate

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts . $15 00 per 1000

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Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in $8 00 per 1000
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Nursery Department

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Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

GREENVILLE, TEX.—The Greenville Nursery and Floral Company has been incorporated; capital stock, $20,000. Incorporators: R. H. Long, Edwin Barlow, R. L. Taylor and others.

NEW HAVEN, CONN.—The Elm City Nursery Company has recently leased the Cleveland Smith farm adjoining its nurseries on the south. This will be planted largely to ornamentals to grow on into specimens.

The Douglas Spruce.

Editor Florists' Exchange:

I note in the Exchange of December 27 what Mr. Joseph Meehan says of the Douglas spruce. It occurs in all parts of California, though the type we have in this county is Pseudo-tsuga Douglasii Carr var. macrocarpa Engelman. In the central and northern parts of the State they have the specific type first described. For some reason botanists now list it as P. taxifolia Britton. Would they had changed the generic in place of the specific name! In the south it occurs only as a small tree, but northward it is often 15 feet in diameter, 300 feet high, ranging in columns 100 to 200 feet high before a branch appears.

I have a photo of the cones and branch of the Colorado type and it is quite different from ours. It occurs here from about 2,000 to at least 5,000 feet altitude. While scarce here, it is abundant in the central and northern sections.

About Acer macrophyllum; just why this is the "Oregon maple" I do not know, but it is commonly so-called. It occurs throughout the State in both the Sierra Nevada and Coast Ranges and in this country is our only maple It is one of four species in the North (three maples and one box elder) Here it is almost solitary—but few at least in a place—and runs from 10 to 30 feet. It grows in mountain canons and ravines, sometimes in the steepest

TREES. TREES.

Norway and Sugar Maple. Different sizes come and see them. Nursery adjoining Inter State Fair Grounds.

Wm J. Chinnick, Trenton, N. J

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Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees Shrubs, Palms, Cacti, Herbaceous Plants etc., has been mailed to the trade. A posta will bring it to you.

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An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***

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Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

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places. On last Thanksgiving Day I saw it in the canons when ascending Mt. Lowe, at about 2.000 to 3.000 feet, and the leaves had just turned a golden yellow, making it a beautiful sight It occurs in but a few local stations and is rare with us. Five hundred miles farther north it is a little more common. Wherever it grows there is some snow in Winter.

ERNEST BRAUNTON.

Los Angeles, Cal.

Raising Hollies from Seed.

Answering an Ohio correspondent who wishes to know how to raise hollies from seed, I would say that there are nursery firms here that raise these plants from seed. The berries are obtained when fully ripe, in early Winter. They are placed in a box and pounded with a rammer sufficient to bruise the pulp of all, after which they are set away to rot the pulp. It takes some time for the pulp to rot, but has taken place by Spring, when the seeds are washed free of pulp and are ready for sowing. The sowing may be outdoors, or in boxes indoors; but wherever it be, the seeds require a whole year to germinate. There will be no sign of seedlings until the following year.

Nurserymen sow nearly all their seeds outdoors in beds three feet wide, which admit of tending the seedlings, weeding, etc. without treading on the beds.

It is possible that were the seeds sown early, indoors, they might germinate quicker than when outdoors, especially were they treated to a soaking in hot water for a day, as is now often done with locust and other hard-shelled seeds; but I have not tried this plan.

Evergreens Near Cities.

In the report of the expert commission which recently examined Central Park, New York, appears many sensible observations concerning the trees and shrubs growing therein. Among other things referred to is the uselessness of planting coniferous evergreens near cities. This is practically correct, but I wish to call attention to an evergreen, which, in Philadelphia, has stood, and that very well, too, where other sorts have not. I refer to the Austrian pine. Whether it has just "so happened" I cannot say, but more than once has this tree appeared in a thriving condition when the appearance of others has been far from inspiring.

In the way of broad-leaved evergreens the euonymus, California privet, holly, box and aucuba stand very well, not objecting to city life as many shrubs do; and many fine specimens of these are to be seen in the closely-built section of the city. Very often it is the soil as much as the air that is at fault, which is often the refuse of rubbish heaps, clay from cellar excavations and similar non-suitable material. Given proper soil and freedom from proximity to leaky gas pipes, trees to rejoice us would often succeed those now it grieves us to see.

Flowering Grapes.

The "sweet-scented grape" of the trade is an infertile Vitis riparia, grown and planted by those who want a rapid growing vine to give shade and sweet flowers, but not fruit. The question has been asked me whether a seedling of Vitis riparia would not be a sweet-scented grape. Certainly it would, and the Concord grape is sweet-scented; but to be the sweet-scented grape of commerce it must be one which bears no fruit. The seedlings of V. riparia may or may not be fruit-bearing. When we sow seeds of any of our native species, V. riparia, æstivalis, cordifolia, cinerea, or labrusca, we may get lots of plants that will be infertile, and, as these are all sweet-scented, I know of no reason why they should not be just as good for all purposes as are infertile V. riparia.

This character is peculiar to the American grape. Seedlings of the European, Vitis vinifera, all bear fruit, but when we sow seeds of our native ones we take our chances on barren sorts.

By watching the behavior of a wild grape vine, noting in Spring if very fragrant and then in Summer if fruit-bearing or not, one could soon possess himself of a lot of cuttings of a flowering grape.

English Morello Cherry.

Our common pie cherry, Early Richmond, is seen everywhere, as it certainly deserves to be, being a sure cropper and bearing abundantly. But it is rather surprising the English Morello is not oftener seen in collections, being a tart cherry of much excellence, suitable for the same purposes for which the Early Richmond is grown. The English Morello is the pie cherry of England, and is usually seen trained to walls. Both because of the climate, and its being a late sort naturally, it is not uncommon to see the fruit hanging on the trees in September and October, their tartness helping to prolong their keeping period. As this tree grows with us it is less spreading than the Early Richmond, making a more shapely tree and having thicker wood. The fruit hangs on the tree a long time, becoming when ripe of an almost black color. Nurserymen are so much accustomed to thinking only of the Early Richmond in connection with the pie cherry that they overlook all others. Many a customer who asks for a pie cherry would be better satisfied, perhaps, in the end with the English Morello, and this one should be added to their lists of sorts available.

Early Flowering Shrubs and Vines.

With Midwinter on us, as it is at this time, we may be expecting soon to see Spring announced by the appearance of a few of the flowers on those early shrubs which show impatience with cold weather. There come to mind the Lonicera fragrantissima and L. Standishi, Chimonanthus fragrans and Jasminum nudiflorum as being of this class of shrubs. After New Year's these shrubs advance their flower buds rapidly, and with a week or two of temperature above freezing they are in bloom. The loniceras are not vines, but shrubs, though of a somewhat straggling nature, which, however, is easily overcome by pruning. They approach an evergreen character closely, and in well-sheltered positions may be classed as evergreen. These positions are where the plants should be placed if to realize the pleasure of their early flowers. Frequently, in such spots, these shrubs are in full display in February; and when in an open place March often finds them in flower. The blossoms are yellowish-white and pleasantly fragrant.

The Chimonanthus fragrans is known as the Chinese allspice. It is a great favorite in the South, where large bushes, when in flower, pervade the air with sweet odor for a great distance around. Though quite hardy in these parts, it is not very often met with, because it will persist in flowering before Winter is over. Let a few mild days come in late Winter and out come the flowers, only to be caught by the freezing which is pretty sure to follow. As a pot shrub it is grand. Its yellow flowers, though not large, are powerfully scented, and the odor of one of them is sufficient for a room. It is difficult to advise where best to plant a shrub of this kind. If in a sheltered place, the flowers are hastened in their opening. If two plants could be had, one in an exposed place where its flowers would be retarded, the other in a sheltered one, the chances would be good for enjoying one or the other.

The Jasminum nudiflorum is the yellow-flowered jasmine, which blooms before the leaves appear. In severe Winters it holds its flowers back very well until the cold gives way to the warmer days of Spring. It is half vine and half shrub. When in vine shape it is the prettier. Trained on low trellises near a dwelling it makes an admirable display.

It remains to be said that shoots of these vines and shrubs placed in a vase of water in a warm room flower quickly; and where freezings are anticipated which would destroy the blooms, it is almost as satisfactory to have the shoots in flower indoors as on the bushes outside.

JOSEPH MEEHAN.

New Castle, Ind

The South Park Floral Company narrowly escaped the loss of nearly $8,000 worth of rose plants since the beginning of the cold spell. Lime formed in a feed pipe from the boilers and cut off the supply of heat, and when discovered the temperature was only a few degrees above the freezing point. Fortunately, an emergency connection with another boiler had been made the day before.

DAHLIAS.

Strong field-grown roots, whole or divided.
Fine assortment. Send for list and prices.

SAMUEL C. MOON,
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500 000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for circular.

J. L. DILLON, Bloomsburg, Pa

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SPECIAL!!

Selaginella Emil, 2½ in. 2 cts.

Verbena. 10 fine sorts, 2 in., $1.25 per 100. Rooted cuttings, 40 cts. per 100.

Petunia. Double Fine, 15 sorts, 2 in., $1.75 per 100. R. C., $1.00 per 100.

GIANT PANSIES, in variety equal to any, Satisfaction guaranteed. Fine stocky plants $2.50 per 1000.

DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SWAINSONA ALBA, 2 in., 2 cts.

VINCA, Green, R. C., 50 cts. per 100.

HARDY PINKS, 8 kinds, R. C., 75 cts. per 100. Cash. Rooted cuttings prepaid.

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IMPATIENS
THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

ASPARAGUS SPRENGERI

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

ROOTED CUTTINGS

Send for List, Fine Stock.

CENTRAL MICHIGAN NURSERY,
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CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots, in bud and bloom, $6.00 per 100; from 4-in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S A. Nutt, La Favorite, Jean Viaud, etc., well-grown plants from 2½-in. pots, $2.50 per 100; $22 50 per 1000.

CANNAS (dormant tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Papa Canna, Egandale, etc., $2 00 per100; $18 00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

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DOUBLE PETUNIAS

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HIBISCUS, Peach Blossom, R. C	2 00
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C	1 25
STROBILANTHES DYERIANUS, R. C	$1 25 and 1 50
GAZANIA SPLENDENS, R. C	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
CYPERUS, Umbrella Plant, 3 in	4 00
DRACÆNAS INDIVISA and **AUSTRALIS,** 15 to 18 in.; 3 in	5 0

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

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Pansy Plants

	Per 100.
Large Flowering. $2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants	2 00
Coleus, 20 var., 2-in. pots	2 00
Geraniums, 10 var., 2½ in. pots, $2 50 and	3 00
Canna Roots, 10 var.	3 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

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Pansies Worth Raising

STRONG PLANTS.

$4 00 per 1000; $2 50 per 500; $1.00 per 100.

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PANSIES

THE JENNINGS STRAIN.

Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

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PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

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PANSY PLANTS

100,000 of my well known strain; 40c. per 100; $3.00 per 1,000; 4,000 for $10.00.

DAISIES, red and white, 30c. per 100; $2.00 per 1000.

VINCAS, very large field-grown, $5.00 per 100.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

CANNAS. Austria, 2 and 3 eyes, $5.00 per 1,000 **Caladium Esculentum,** 5-10 in. $3.00 per 100. **Eulalia,** Gracillima, Zebrina, Variegata, field-grown clumps, $1.00 per 100. **Asparagus Sprengeri,** 3 in., $1.75 per 100; 500 for $7.50. **California Violets,** field-grown plants, 75c. per 100; $6.00 per 1000.

E. E. STONE, Dickinson, Texas.

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VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection	$2 00 per 100;	$15 00 per 1000
Strong pot plants	3.00 "	25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud $8.00 per 100

STRONG. HEALTHY CARNATIONS FIELD PLANTS

For prices and varieties see last week's Exchange.

MISCELLANEOUS.	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong.	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc.	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO PLACE YOUR ORDER FOR

GRAFTED ROSES

SEND FOR PRICE LIST

A. N. PIERSON, - - - - - Cromwell, Conn.

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ROSES ROOTED CUTTINGS

	Per 100	Per 1000		Per 100	Per 1000
Bridesmaid	$1.50	$12.50	**Helen Gould**	$3.00	$25.00
Bride	1.50	12.50	**Oliver Ames**	3.00	25.00
Perle	1.50	12.50	**Ivory**	3.00	25.00
Golden Gate	1.25	10.00			

2½-inch POT PLANTS

	Per 100	Per 1000		Per 100	Per 1000
Golden Gate	$2.50	$20.00	**Meteor**	$3.00	$25.00
Bridesmaid	3.00	25.00	**Helen Gould**	6.00	50.00
Bride	3.00	25.00	**Oliver Ames**	6.00	50.00
Perle	3.00	25.00	**Ivory**	6.00	50.00

CARNATIONS

ROOTED CUTTINGS

Variegated.

	Per 100	Per 1000
Prosperity	$1.50	$12.00
Gaiety	1.50	12.00

Pink.

	Per 100	Per 1000
Enchantress	12.00	100.00
Mrs. Lawson	2.00	15.00
Dorothy	2.00	15.00
Guardian Angel	1.25	10.00
Ethel Crocker	1.25	10.00
Mrs. Joost	1.00	8.00
The Marquis	1.00	8.00

White.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Flora Hill	1.25	10.00
White Cloud	1.25	10.00
Norway	1.25	10.00

Red.

	Per 100	Per 1000
Adonis	14.00	120.00
Palmer	4.00	30.00
America	1.50	12.00

All clean, healthy stock and well rooted. Unrooted cuttings at half of the above prices.

GEO. REINBERG, 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

FRANZ DEEGEN

THE NEW

Golden Yellow Rose

Awarded $50 and Gold Medal, - - Kansas City
Silver Medal, - Massachusetts Horticultural Society
Silver Medal, - Pennsylvania Horticultural Society
Silver Medal, - - Chicago Horticultural Society
Silver Medal, - - American Institute, New York
Silver Medal, - - - S. F. A. O. H., Indianapolis

FOR SALE BY

SOUTH PARK FLORAL CO., New Castle, Ind.
THE E. G. HILL CO., Richmond, Indiana
E. G. ASMUS, West Hoboken, New Jersey

For Prices and Description apply to above.

50,000

ROOTED CUTTINGS NOW READY

Lawson, Norway, Crane, Melba, Gomez, Joost, Crocker, Hill, Lord, Scott and Alaska.

Will be pleased to quote prices on other standard varieties for later delivery.

ST. LOUIS CARNATION CO.,
CLAYTON, MO., R. R. No 1.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

READY NOW.

1000 California Rooted Cuttings are worth 2000 Eastern Rooted Cuttings.

	Per Doz.	Per 100
Gov. Wolcott, white	$0 60	$4 00
Alba, white	60	4 00
Golden Beauty, yellow	60	4 00
Violiana, variegated—very nice	1 25	9 00
Mrs. Palmer, scarlet	60	4 00
Stella, Dorner's variegated	60	4 00
Corbett, salmon	40	3 00
Norway, white	30	1 50
Governor Roosevelt, maroon	35	2 00
Gold Nugget, yellow	30	2 00
Mrs. Lawson, pink	30	2 00
Egypt, maroon	30	2 00
Queen Louise, white	30	2 00
Genevieve Lord, light pink	15	1 00
Evanston, red	15	1 00
Tidal Wave, pink	15	1 00
Mrs. F. Joost, pink	15	1 00
Mermaid, salmon, fine	15	1 00
Portia, scarlet	15	1 00
Wm. Scott, pink	15	1 00
Argyle, pink	15	1 00
El Dorado, yellow	15	1 00
General Maceo, maroon	15	1 00

Write for prices on large lots. 6 at 12 rates, 25 at 100 rates.

Terms, SPOT CASH, prepaid to your city at above prices. All rooted cuttings sold under express conditions that if not satisfactory on arrival, return immediately, when money will be refunded.

CALIFORNIA CARNATION CO.,
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS

VASE PLANTS.—When the planting out season arrives, it is generally apparent that there is a shortage of plants suitable for placing around the edges of vases, veranda boxes, etc., and a little care about such stock should be taken now, if this has not already been done. The ivy geraniums should be gone over, and every cutting taken that is available; also the trailing abutilons, both green and variegated. Where the double sweet alyssum is grown in odd corners, a batch of cuttings from them should be taken, and they will make nice suitable plants for working in by the time they are needed.

FANCY PELARGONIUMS.—Do not allow these to become root-bound while they are in the small-sized pots. Shift them along as fast as is required; and use a moderately rich soil when potting them. Fumigate with tobacco regularly to suppress green fly; and keep the plants growing by holding them in a warm house.

BEDDING GERANIUMS.—From now on we cannot afford to slight these, the most popular of all Summer flowering plants. Such of them as were rooted last Fall are now in three-inch pots, and a cutting can be taken from the most of them, which should make a fair-sized plant by the first of June.

FUCHSIAS.—This is about the time to take the main stock of cuttings of these, where the plants are wanted for Spring sales.

Loomis, Cal.

The rooted cutting business of the California Carnation Company is in a most satisfactory condition. In the last six weeks the company has shipped over 276,000 rooted cuttings Next year two millions will be grown

---

CARNATIONS

Well Rooted Cuttings Now Readv

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Nelson**	$4 00	$35 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Dorothy	1 50	12 50	**Higinbotham**	5 00	40 00
Joost	1 25	10 00	**Morning Glory**	2 00	15 00
Genevieve Lord	1 25	10 00			

RED.

Adonis	14 00	120 00	**America**	1 25	10 00
Harlowarden	12 00	100 00	**Palmer**	4 00	30 00
Estelle	4 00	35 00	**Mrs. L. Ine**	1 25	10 00
Crane	2 00	15 00	**Chicago (Red Bradt)**	2 00	15 00

WHITE.

Flora Hill	1 50	12 50	**Murphy's White**	6 00	50 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

Bradt .... $2.00 per 100, $15.00 per 1000.

ROSES Well Rooted Cuttings Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

THE FARQUHAR ROSE

A MAGNIFICENT FORCING PLANT FOR EASTER.

AWARDED THE SILVER GILT MEDAL OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.

Certificated by the Horticultural Society of New York.

In this new Rose we have at last a worthy companion to the Crimson Rambler, bearing beautiful clusters of pink double flowers.

THE FARQUHAR ROSE is a vigorous and rapid grower. Many of the stock plants, cut down for propagation last July, and then not a year old, have since developed shoots twenty to twenty-two feet in length.

THE FARQUHAR ROSE has glossy, bright green foliage, which does not drop, and retains its lustre until cut down by severe frost in November or December, a feature which makes it most valuable for covering trellises, pillars, summer houses, fences and rocks. It is perfectly hardy and does not require protection during winter.

THE FARQUHAR ROSE bears magnificent clusters of bright pink double flowers on long stems, which are most serviceable for vases and table decorations, while the individual flowers are useful for bouquets and designs. As an Easter plant, its color alone gives it a decided advantage over the Crimson Rambler.

Mr. Jackson Dawson, of the Arnold Arboretum, who raised the FARQUHAR ROSE, describes it as follows: "It can be best described as flowering perfectly double in clusters, the individual flowers being similar in size and color to the flowers of Carnation Melba. The plant is of rapid growth, stocky, trailing habit, with bright, glossy foliage. All who have seen it pronounce it something extra. In commenting upon it Mr. W. R. Smith, of the United States Botanic Garden, Washington, D. C., says that it is a rose for the millions. Prof. R. B. Watson, of the Bussey Institution, and many private gardeners, have declared it a great success."

TESTIMONIALS AND PRESS COMMENTS:

MR. W. R. SMITH, CURATOR UNITED STATES BOTANIC GARDEN, WASHINGTON, D. C., writes:

"I saw your new Rose, 'The Farquhar,' when it first bloomed with its raiser, Mr. Jackson Dawson, of the Arnold Arboretum, and was so pleased with it that I at once pronounced it *a rose for the people.*"

DORCHESTER, MASS., May 10, 1902.

Gentlemen: I have made a specialty of forcing Roses for Boston Market for many years, especially Crimson Rambler, which I have considered the finest novelty of recent years. Your new Rose, "The Farquhar," is a better thing than the Crimson Rambler. Its foliage and its beautiful rose-pink color are unequaled in any climbing rose. I consider it the finest floral novelty in existence.

Yours very truly,

LAWRENCE COTTER.

MILTON, MASS., May 10, 1902.

Gentlemen: "The Farquhar Rose" is a fitting companion to the Crimson Rambler. So many worthless roses have been sent out with the name Rambler that this name has fallen into discredit. Your Rose is a true hardy climber, bearing large trusses of beautiful deep pink double flowers, with a fragrance different from any other rose I know.

Yours very truly,

GEORGE M. ANDERSON.

THE FLORISTS' EXCHANGE, Vol. XIV., No. 23, says: "This Rambler is the largest yet, being quite two inches in diameter, very double, and of the liveliest bright pink imaginable; borne in large clusters and with the individual flowers on longer stems than those of Crimson Rambler, so that they could be used in design work. It will make a magnificent Easter plant, and its vigor, hardiness, etc., make it a sure winner for outside."

THE AMERICAN FLORIST, Vol. XVIII., No. 728, says: "At the exhibition in Horticultural Hall, on Saturday, May 10, R. & J. Farquhar & Company showed plants in bloom of the new Farquhar Rose, and received therefor a silver gilt medal. This Rose, which was raised by Jackson Dawson, is the result of a cross between Rosa Wichuraiana and Crimson Rambler. It is of similar habit to the latter, but the deep pink flowers are larger and it has a slight fragrance.

AMERICAN GARDENING, Vol. XXIII., No. 387, says: "The attraction of the show (Massachusetts Horticultural Society, Boston, May 10, 1902), however, was the new Farquhar Rose. This is a new pink Rambler, raised by Jackson Dawson of the Arnold Arboretum, from whom the whole stock was purchased by Messrs. Farquhar. The color of the flowers is brilliant rose, the clusters are similar to those of Crimson Rambler, the florets, however, being larger and more double. There is a slight fragrance. The award of a silver gilt medal was thoroughly deserved and, measured by the position it is bound to occupy in the near future, might even have been higher."

STRONG PLANTS from 3½-inch pots, $50.00 per 100; 25 or 50 plants at 100 rate. Delivery will commence April 1, and orders will be filled in rotation as received.

R. & J. FARQUHAR & CO., 6 and 7 South Market St., **Boston, Mass.**

NEW CARNATIONS

LOWNDES, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

HRYSANTHEMUMS. We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for mplete list of new and standard varieties, now ready.

I. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

... ROOTED ...

ROSE CUTTINGS

Made from the "Prize Winning Stock" of America.

	Per 1000
AMERICAN BEAUTY	$30.00
IVORY	30.00
LA FRANCE	30.00
BRIDE and BRIDESMAID	15.00
METEOR	15.00
GOLDEN GATE	15.00

Cuttings from plants in most perfect state of health. Rooted and handled by an expert propagator.

ELLER BROS., SOUTH PARK FLORAL CO. **New Castle, Ind.**

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES

	Per 100
Kaiserin	$2 50
Perle	2.50
Bride	$1.50
Bridesmaid	1.50
Meteor	$1 50
Golden Gate	1.50

CARNATIONS.

WHITE.	Per 100
White Cloud	$1.50
Flora Hill	1.50
Gov. Wolcott	5.00
White Bradt	12.00
Norway	2.00
Lillian Pond	10.00

PINK.	Per 100
Mrs. Lawson	$2.00
The Marquis	1.50
Cressbrook	4.00
Floriana	4.00
Enchantress	12.00
Morning Glory	2.00
STRIPED.	
Gaiety	4.00
Prosperity	3.00

RED.	Per 100
G. H. Crane	$2.00
America	1.50
Adonis	14.00
MAROON.	
Gen. Maceo	1.50
Roosevelt	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

CHAS. F. MEYER

—15 PER CENT.—

MME. VAN DER CRUYSSEN and or SIMON MARDNER

Others may promise, but I guarantee you 15 per cent. each of the above varieties of the total number of

AZALEAS

you order up to 16-inch plants. The market in Ghent is almost bare of these favorite varieties and this is an exceptional opportunity. Avail yourself of it while it holds good and order quickly.

I also offer the finest brands of **Lily of the Valley Pips** for early or late forcing, **Roman Hyacinths, Paper Whites, Dutch Bulbs, Lilies, etc.**, all for Fall delivery. Prices cheerfully quoted.

CHAS. F. MEYER

Importer of Bulbs and Plants and Sole Representative of the AD. D'HAENE CO., LTD., Ghent,

19 BARCLAY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana**, 25 to 36 in. high, 75c to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

Cineraria Hybrida, best strain, strong plants, ready to shift into 5½ or 6 in. pots. 3-in. at the rate of $5.00 per 100; 4-in. at the rate of $7.00 to $8.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA

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Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS, TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,

P. O. Box 78,
College Point, Queens Borough, N. Y.

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ASPARAGUS SPRENGERI

SEEDLINGS. From flats, ready to pot; $1.00 per 100; $7.50 per 1000.

FIELD-GROWN. Extra strong. These plants are making new top and root growths. If potted now, will be fine for Easter. Plants large enough for 4 and 5-inch pots or pans, $3.00 and $5.00 per 100, respectively.

ADIANTUM CAPILLUS VENERIS. The best for fern dishes. Bushy 2½-inch pot plants, $3.00 per 100.

CHINESE PRIMROSES. Select strain. READING SCARLET, best of its color. LIGHT ROSE PINK, no trace of magenta. Large plants from 3-inch pots, in bud and bloom, $4.00 per 100.

CINERARIA STELLATA. Good for pot displays or cutting. Extra strong, from 3-inch pots, $4.00 per 100.

NATHAN SMITH & SON, Adrian, Mich

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Areca Lutescens, 3 plants in a pot, 3, 4, 5, 6 in., $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Kentia Belmoreana and **Forsteriana,** extra clean and well grown plants, 2½, 3, 4 and 5 in., $8.00, $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Mrs. Lawson, Queen Louise, White Cloud, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.

Adiantum Cuneatum, 4-in. pots........$2.00 per doz.; $15.00 per 100
Asparagus Sprengeri, 5-in. pots........2.00 " 15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

BOSTON FERNS 2½ in. plants, $4.00 per 100; $35.00 per 1000.
Clerodendron Fragrans, 2½ in., $6.00 per 100.
Allemanda Williamsii, 2½ in., $5.00 per 100; 3 in., $8.00 per 100.

Climbing Clothilde Soupert Rose, strong well branched field plants, for 6 to 8 in. pots $15.00 per 100; for 4 to 5 in. pots, $10.00 per 100; 2½ in. plants, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3 00
6 in. "	"	5.00
6 in. " strong	"	6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz.,	$1.50
4 in. " extra select	"	2.00

FERN BALLS

Furnished with leaves........per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties........per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.

1657 Buckingham Place, Chicago.

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ASPARAGUS

SPRENGERI, $3.00 per 100; $25.00 per 100
2⅛ x 3⅛ inch pots.
Strong, well-established plants; splendid valu

JACKSON & PERKINS CO., Newark, New Yor

Mention the Florists' Exchange when writing.

1500
SURPLUS SMILAX

50 cents per 100 from 2-inch pots

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. **Dorchester, Mass.**

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ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

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FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

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Decorative Palms

Araucarias, Ficus, Bay Trees
And smaller size Palms for Spring shipment.
Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

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ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will **pay**, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.

Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $4.50 per doz.; $35.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

FERNS

4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

JOHN BADER, Troy Hill, Allegheny City, Pa.

L. D. Telephone 872a.

Mention the Florists' Exchange when writing.

Rooted Cutting

	Per 1
Weeping Lantanas	$1
Fuchsias	1
Double Petunias	1
Marguerites, Paris Daisies	1 0
Feverfew, Little Gem	1 2
Heliotropes	1
Vinca Variegata	1
Salvias	
Giant Sweet Alyssum	6
Ageratum, Pauline and Gurney	6
Cannas, Standard Bedders	1

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y

(ERNEST HARRIS, Manager.)

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FLORISTS' FLORISTS ORCHIDS ORCHID

The finest varieties for cutting purposes. Largest Growers and Importers in the worl

SANDER St. Albans, ENGLAND Bruges, BELGIUM.

Agent, A. DIMMOCK, 60 Vesey St., New York Cit

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FERNS

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 10
BOUGAINVILLEA, from 4 in., $2.00; fro 5 in., bushy, $3.00 per doz.
FICUS ELASTICA (Rubber), 5 and 6 in., fin $4.00 to $6.00 per doz., according to size.

JNO. G. EISELE, Philadelphia, Pa

20th and Ontario Streets.

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Kentia Belmorean

Fine plants, 7 and 8 in. pots; 7 leaves; 42 to in. high, $50.00 per doz.

Asparagus Plumosus Nanus.
5-in pots; strong plants, $25.00 per 100.

Asparagus Sprengeri.
5-in pots; strong bushy plants, $25.00 per 10

P. J. BURGEVIN, Port Chester, N. Y

Mention the Florists' Exchange when writin

CLEMATIS PANICULAT

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGER

Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,

Reorganization of Jno. A. Doyle & Co. **Springfield, O**

Mention the Florists' Exchange when writin

FERNS

OUR SPECIALTY

If you are in the market for Ferns and want th best, give us a trial order. Owing to the steadily increasing demand for our stock we have added another large range of greenhouses to our establishment and can offer the best stock of Ferns eve produced in unlimited quantities at comparativel low figures.

ASSORTED FERNS For jardinieres in fifteen o the leading varieties, goo stocky plants, from 2¼ in. pots, sample free, a $3.00 per 100: $25.00 per 1000. 250 at 1000 rate.

	100	1000
Adiantum cuneatum, 4 in. plants...	$15 00	$140 0
" " 5 in. " ...	25 00	235 0

500 at 1000 rates.
TELEPHONE CALL—29 I.

Anderson & Christensen, Short Hills, N. J.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I make a specialty of **NEPHROLEPIS EXALTATA BOSTONIENSIS.** Small plants, $5.00 per 100; $40.00 per 1000. Larger plants, $15.00 per 100.

ALSO A FINE LOT OF

Kentias, Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $18.00 per 100; 3½ in. pots, $15.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Cycas, 50 cts. to $2.50 each.

Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writin

NOTICE

NURSERY STOCK in large quantities. Remember we have over 100,000

CLEMATIS PANICULATA

two, three and four years old.

AMPELOPSIS VEITCHII, field-grown, X and XX sizes. Over 300,000 SHRUBS and VINES in variety. About 200,000 HERBACEOUS PLANTS in 250 varieties. Also Young Stock for transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

Buffalo.

While the scarcity and high prices f fuel have this Winter no doubt vorked adversely to putting on ordiiarily necessary heat, extreme condiions, as in other places mentioned, are iardly our share, as anthracite is readly obtainable at about $6.00 per ton, nd soft coal at $5.00.

Captain James Braik, of the parks, is gain laid up from an accident; this ime from the kick of a horse. This is he third occurrence within six months f a similar accident.

H. A. Meldrum Co., a department tore firm here, who gave a free chrysnthemum show last Fall in the inerests of their advertising department, eem to be pleased with the results of ame to the extent of announcing to he craft an intention to repeat such iext Fall, and ready to offer not less han $1,000 for prizes in cash.

The Buffalo Florists' Club has again gotten down to settling on a meeeting ight on the second Tuesday of each month, which will be followed from his date. A meeting was held on Tuesday evening of this week in Kasting's store. In the absence of Presient Braik, Vice-President Fred B. Lewis, of Lockport, occupied the chair. Action was entered into regarding the ecent increased express rates on cut lowers and co-operating in the movenent elsewhere inaugurated by appointing a committee consisting of William Scott, Charles H. Keitsch and William F. Kasting to promote intersts therein. The intention of the Melrum Co. in reference to giving a hrysanthemum show next Fall, gained he approval of the members present, nd it is expected that a co-operation f interests will result. Resolutions of ympathy on the recent death of S. B. Smiley, of Lancaster, a club member, vere acted on, and ordered to be enered on the minutes. Visitors at the neeting were Messrs. Ringier and Bunard.

VIDI.

HARDY ROSES, ETC.

FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

H. JOOSTEN, 178 Chambers Street, **New York**

50,000 CANNAS

In ten best standard varieties.

Chrysanthemum. Stock plants. Robinson, erry Monarch and Bonnaffon.

Latanias, 2½ in. pots, 15 in. high, 5-8 leaves, $2.50 er 100.

Biota Nana Aurea, 8-10, 18-24 in. high. Prices pon application.

GEO. JUST, Jacksonville, Fla.

50,000 CANNAS

2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets,** 0.00 per 1000.

Madeira Roots and **Gladioli,** $1.00 per 100.

Shrubs and Vines. Send for List.

Cash, Please.

ENJ. CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing.

SHAMROCK

SOMETHING NEW.

From Cemetery of Downpatrick, Ireland.

Plants, from 2¼ in. pots, ready Feb. 1, $4.00 per 100; $35.00 per 1000; 250 at 1000 rate.

Cash with order. Order early, as stock is limited.

J. D. HARCOURT'S SON,
WAPPINGERS FALLS, N. Y.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

We have bought the entire stock from

SUZUKI & IIDA

They are the best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

New Crop—COCOS WEDDELIANA SEED

Per 1000, $8.00; per 5000, $35.00

STUMPP & WALTER CO.
50 BARCLAY STREET
NEW YORK
Branch Store
404 E. 34th St., N. Y.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display.

Display advertisements, 15 cents per line (6 words to a line)

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding,

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

FLORIST, with experience in rose growing and potting houses, wants position. Address D. C., care Florists' Exchange.

GERMAN florist, sober, well recommended, all-around hand in greenhouses, wishes position. Address Ludwig Geh, 150 Central Ave., Brooklyn, N. Y.

SITUATION wanted by first-class grower of cut flowers and pot plants; 20 years' practical experience. Address Garfield, 291 Graham street, Brookyn, N. Y.

SITUATION wanted, to take charge of medium-sized place, by experienced grower of roses, carnations, and general stock. State particulars. Address L., 309 S. Laurel St., Richmond, Va.

GERMAN, 19 years old, five years' experience in general greenhouse work, wishes steady position only. Please state wages. Address W. Beinlick, 802 Communipaw Ave., Jersey City, N. J.

SITUATION wanted by sober and reliable man; married, age 30; experienced in roses, carnations and general stock; also good maker-up; South preferred. Address D. B., care Florists' Exchange.

SITUATION wanted by salesman; 10 years' experience on the road selling seeds, bulbs and plants. Wish to engage with good house, or will take partnership. Address D. L., care Florists' Exchange.

SITUATIONS WANTED

SITUATION wanted by first-class rose grower, as foreman on commercial place where roses are grown as a specialty. Best of references as to character and ability. Age 33, single Address D. A., care Florists' Exchange.

EXPERIENCED man, well acquainted with the wholesale and retail seed, bulb, plant, cut flower and florist supply businesses, wants position. Best of references. Address Seeds, 6112 Wentworth Ave., Chicago, Ill.

CARNATION EXPERT WANTS POSITION AS FOREMAN OR TO TAKE CHARGE; 20 YEARS' EXPERIENCE IN GENERAL GREENHOUSE WORK. BEST OF REFERENCES GIVEN. ADDRESS C. H., CARE FLORISTS' EXCHANGE.

SITUATION wanted as foreman by experienced man in greenhouses, nursery and landscape work. In present position earning $18 a week as foreman in one of the biggest florist, nursery and import businesses. State wages that can be paid. Best of references. Address D. H., care Florists' Exchange.

SITUATION wanted as foreman; wholesale preferred, where roses are made a specialty; have had over 26 years' practical experience with roses, carnations, chrysanthemums, palms, ferns, etc. Capable of managing a large plant; only first-class place wanted. Can forward satisfactory references. Address Foreman, Granville House, Green St., Boston, Mass.

I AM a Slavonian by birth; naturalized citizen of the United States 9 years; speak Hungarian, German, and English; married, but no family; age 35. Best references, sober, honest and willing. Experienced since childhood, in cut flowers, plants, drafting, propagating, vegetables, and all other hot-house and gardening work. Private position close to Pennsylvania or New Jersey preferred. Address, stating wages, Joseph Skripko, P. O. Box 167, Lansford, Pa.

HELP WANTED

WANTED, general all-around seedsman; German, with family, preferred. Address A. T., care Florists' Exchange.

WANTED, a competent grower of bedding plants, carnations, and Easter stock. Wages $12 per week to good man. Apply with references to D. M., care Florists' Exchange.

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WANTED, first-class rose and carnation grower; single; strictly sober and correct habits. Address, stating experience, age, nationality, and wages expected. Idle-Hour Nurseries, Macon, Ga.

WANTED at once, a single young man for general greenhouse work. Must be a good worker, honest and obliging, and come recommended as to reliability and habits. Wages $20.00 per month with board and room. Address C. J., care Florists' Exchange.

WE WANT a young man familiar with botanical names for our office; must be a good speller, fair writer, able to use typewriter and to take dictation. Send testimonials as to ability and character. None else need apply. Reasoner Bros., Oneco, Florida.

WANTED, married man, with no family preferred, to assist growing violets and bedding plants. Must be willing, quick and sober. Wages $30.00 per month, house, coal and vegetables. Steady place. References required. Address Wm. Herzog, Morris Plains, N. J.

WANTED, a young or middle-aged man of first-class ability and correct habits, as foreman in commercial nursery. One who thoroughly understands general nursery work. American preferred. Address, stating wages and previous experience. C. B., care Florists' Exchange.

SEEDSMEN—Wanted immediately for the season by New York house, several competent counter hands. Must be experienced in waiting on customers and expert at filling orders. Apply with full particulars as to age, experience, wages, etc., to No. D, 435, care Florists' Exchange.

BUSINESS OPPORTUNITIES

$750 BUYS stock, fixtures, lease and thirty years' goodwill of florist business. Good stand; four living rooms, store and greenhouse. Transfer station. 398 Nostrand Ave., Brooklyn, N. Y.

FOR SALE, bargain, 5,000 feet, modern greenhouses well stocked; paying well; railroad center; no competition for 20 miles; five-acre garden. Home market for all. Best reasons. John Klink, Chicago, Ohio.

WANTED—An experienced rose grower with capital, as working partner, to join party owning property, with small capital; to build range of greenhouses within a short distance of New York. Address F. W., P. O. Box 138, New York.

GREENHOUSES for sale; 4,500 square feet of glass; size 10 x 12, 10 x 14; 1200 or more feet 4-inch pipe and elbows, 6 stand pipes, boilers, lot ventilators, no reasonable offer refused; no single lots sold. 75 Central Ave., Westfield, N. J.

FOR SALE—Eight greenhouses, dwelling with modern improvements, barn, sheds, and office building in the finest city in western Connecticut; on trolley line and one minute's walk from New Union Depot. Very cheap. Address D. D., care Florists' Exchange.

BUSINESS OPPORTUNITIES

FLORIST business for sale, established 30 years, on Fulton Street, Brooklyn, stock and fixtures. Reasonable, good opportunity. For particulars apply 209 Bridge Street, Brooklyn, N. Y.

FOR SALE, a greenhouse plant of 4,000 square feet of glass, stocked with carnations and smilax, on a place of 24 acres; 10 in fruit. A good business and can easily be enlarged; near good markets. Address T. V. Peirson, Brockport, N. Y.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred. Parties who could run wholesale store would find it advantageous. Two or three might join; business is large enough. Terms easy. Address Mulford, Jefferson Park, Chicago, Ill.

TO LEASE, 40 years' established, 10,000 ft. of glass and one acre of land, good retail market, all stocked and in good running condition, near Philadelphia, Pa. For particulars address A. Millar, 595 Pawtucket Ave., Pawtucket, R. I.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

MISCELLANEOUS WANTS

WANTED to purchase large Cocos Plumosus plants; state size, price and condition. Address D. I., care Florists' Exchange.

WANTED to lease by March 1, 20,000 to 50,000 feet of glass without stock. State full particulars in first letter. Address D. E., care Florists' Exchange.

WANTED, to rent by May 1, about 15,000 feet of glass with three or more acres of ground, suitable to grow first class carnations, must be in good condition; near Philadelphia preferred. D. O. care Florists' Exchange.

WHO has greenhouse property for sale? I want several acres of land with some greenhouses erected, and in good condition. Price not over $9,000. If you want to sell, send particulars to D. K., care Florists' Exchange.

WANTED, for rent with privilege to buy, a small place, greenhouses or nursery, around New York City, where chances for landscape work can be had; terms easy. Address D. G., care Florists' Exchange.

WANTED

We solicit quotations on plants of

Rose Liberty,

on own roots, as well as budded or grafted.

The Dingee & Conard Co., West Grove, Pa.

Mention the Florists' Exchange when writing.

FOR SALE—One No. 12 Volunteer steam boiler, suitable for heating 4,000 ft. glass; used a short time. Price $100. J. H. Ives, Danbury, Conn.

LEGAL NOTICE

TO THE STOCKHOLDERS OF THE A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.

A semi-annual dividend of the A. T. De La Mare Printing and Publishing Co., Limited, has been declared by the Directors of said Company, and is payable on the 28th day of February, 1903. Transfer books of the Company will be closed from January 26th to January 29th, 1903.

JOSEPH MAGILL, Treasurer.

Bargains in Greenhouse Material

One Rider Hot Air Pump No. 8; used by the Government one year. If taken within one week, before we move it from where it now stands, $100.00.

One Hitchings No. 16 Boiler; price $50.00.

One Scollay No. 5 Boiler, price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6; price $1.65. Cypress, $1.75, painted.

500 second-hand Hot Bed Sash, 6-in. glass, $1.00 each; $45.00 per 50; $85.00 per 100.

Glass 10 x 12, 10 x 12, new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box. 50 wooden wheelbarrows, freight paid, $1.25 each. Shovels, spades, axes, etc., $5.00 per doz. Will assort if wanted. Also second-hand plumbing tools.

Second-hand seasoned lumber at all times.

A limited job lot quantity of new 10-ply hose ¾ in., price while it lasts 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1-in., 3½c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., **New York**

Mention the Florists' Exchange when writing.

Special Prices
ON
GERANIUMS
For the Next Two Weeks.
SEND FOR LIST.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

GERANIUMS Coleus Petunias Sage, Etc.

Stocky, vigorous young plants from pots, sent with all the roots, but little soil. M. Landry, S. A. Nutt, Bruanti, Buchner, Modesty, 10 other fine doubles, and 8 newest double Ivies, $14.00 per 1000, $1.40 per 100. A. Ricard, Poitevine, F. Perkins, J. Doyle, M. Castellane, J. Viaud, J. P. Cleary, A. Lang, $16.00 per 1000; $1.60 per 100. **Le Soleil**, very best glowing scarlet, double, $2.50 per 100.

COLEUS, R. C. All brightest fancy and Golden Queen, 60 cts. per 100. **Giant Leaf**, 20 vars., grand, finest of all, $1.00 per 100.

DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Bonnot, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Poitevine, $15.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others..

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties ....$5.00 per 1000
Double Petunias, rooted cuttings, $1.25 per 100
Heliotrope, all dark varieties....... 1.00 "
Feverfew, in fine shape................ 1.25 "
Ageratum.................................... .60 "

Cash with order.

J. E. FELTHOUSEN. Schenectady. N.Y.
Mention the Florists' Exchange when writing.

GERANIUMS

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A. Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant.

Rose, Nutmeg, Balm and other scented kinds.

MISCELLANEOUS PLANTS

	2¼-IN. POT, PER 100
Alyssum { Giant Double and Dwarf Double, }	$2.00
Swainsona Alba	2.00
Lemon Verbena	2 50
Ageratum { Stella Gurney and Dwarf White }	2 00
Abutilon, in Variety	2.50
Alternanthera, in Variety	2 00
Coleus, in Variety	2 00
Lantana, 10 Varieties	2.00
Smilax	2.00
Salvia Silver Spot, Bonfire and Splendens	2.00
Fuchsias, in Variety	3.00
Forget me-not, Large Flowering, Blue, from 2½ in. Pots $2 50 per 100.	
Hardy English Ivy	2 00

(Root cuttings of Hardy English Ivy 75 cts. per 100; $5.00 per 1000.)

CASH WITH ORDER.

See our full page advertisement in Christmas Number, December 6.

R. VINCENT, JR., & SON
White Marsh, Md.
Mention the Florists' Exchange when writing.

QUESTION BOX

Rhubarb Roots.

(14) Can rhubarb roots forced this Winter be used a second time?
S. E. B.

—Rhubarb roots, after having been forced one season, are not utterly destroyed, and if planted outdoors as soon as the weather is warm enough they will again get established; and be useful for cutting from, though no cutting should be done the first Summer.

Hen Manure.

(15) Can hen manure be used for growing pansies out-of-doors, like any other fertilizer? Can you give me an estimate of how much would be required for a bed containing 350 square yards?
S. E. B.

—Hen manure is a good fertilizer, but it should be used carefully. We would first mix the manure with its equal, in bulk, of soil, and let it lie in open shed until the Spring; then of the compost thus made, spread almost two inches in thickness over the surface of the bed, and fork in lightly. It would take two big wagon loads of the compost to cover the bed in question; and if the soil is already in fair tilth, a thinner covering could be afforded.

Paterson, N. J.

Edward Sceery has again been appointed to a place on the Board of Park Commissioners. The term is five years. Mr. Sceery has completed one term to the satisfaction of the people of Paterson.

Mrs. Kirberg recently handsomely decorated the residence of Mr. Bamford, one of the large silk manufacturers of Paterson.

Hansen, of Ramseys, and the Eslers, of Saddle River, supply Robert Smith, the Market street florist, with three and one-half inch Mrs. Lawson carnations.

LET US QUOTE
you prices on the following cuttings:
Vincas, Geraniums, Carnations, Salvia, Etc.
Also Asparagus Plumosus from 3-in. pots.
B. FRANK BARR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt,** at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard,** at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin,** at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Murphy's White Carnation

is proving itself a paying commercial white. It was in full crop for the Holidays. Has been in continuous crop since August. We do not claim a Fancy, but the best paying White on our market to-day, as a keeper, as a producer, seller and shipper. It is all we claim for it. We are booking orders now for February 1st to 15th delivery. First-class cuttings and satisfaction guaranteed, or money refunded. Place your order with S. S. Skidelsky, traveling salesman, or J. Gammage & Sons, London, Ont., Canadian agents, or send direct. $6.00 per 100; $50.00 per 1000; $45.00 per 1000 in 5000 lots; $40.00 per 1000 in 10,000 lots.

Wm. Murphy, Wholesale Carnation Grower
130 E. Third St., Cincinnati, Ohio
Mention the Florists' Exchange when writing.

GERANIUMS An excellent assortment from 2½ in. pots, $2 50 per 100; $20.00 per 1000 E. G. Hill, Heteranthe, White Swan, S. A. Nutt, Alphonse Ricard and La Constable.

Asparagus Plumosus, 2½ in. pots, $3.00 per 100; 3 in., $6.00 per 100. **Asparagus Sprengeri**, 2½ in. pots, $2 50 per 100; 3 in., $4.00 per 100. **Boston Ferns**, fine plants, from 2½ in. pots, $3.00 per 100, $25.00 per 1000. **Ferns**, for ferneries, $2.50 per 100. **Roses**, fine assortment of 2 year-old, $10.00 per 100. Let us quote you on young stock. Send for list.

NATIONAL PLANT CO., DAYTON, Ohio.
Mention the Florists' Exchange when writing.

Carnation Cuttings

Well rooted. Now ready for immediate delivery.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	3.00	25.00
Roosevelt	3.50	30.00
Palmer	5.00	45.00
Higinbotham	6.00	50.00
Prosperity	3.50	30 00
Morning Glory	2.00	15.00

Liberal discount on large orders.

T. KRAFT, 135 Johnson Av., Newark, N. J.

MODEL EXTENSION
Carnation Supports
— ALSO —
Wire Rose Stakes and Tying Wire
Igoe Bros., Manufacturers, 226 North 9th St., Brooklyn, N.Y.
Mention the Florists' Exchange when writing.

CARNATIONS
ROOTED CUTTINGS.

Now Ready	Per 1000
Morning Glory	at $15.00
Cressbrook	" 35.00
Ethel Crocker	" 10.00
Late February and March Delivery	
Queen Louise	at $15.00
Alba	" 35.00
Her Majesty	" 75.00
Prosperity	" 20.00
Roosevelt	" 15.00
Gaiety	" 20.00
Dorothy	" 15.00

ALBERT M. HERR, Lancaster, Pa.

CHICAGO CARNATION CO.
JOLIET, ILL.

ROOTED CUTTINGS—NEW VARIETIES

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Adonis, scarlet. (Hill)	14 00	120 00
Pres. McKinley, cerise. (Grave)	12 00	100 00
Murphy's White, (Murphy)	6 00	50 00
Lillian Pond, white. (Reuter)	10 00	75 00
Penelope, white. (Dorner)	5 00	40 00
Sibyl, cerise. (Dorner)	12 00	100 00

ROOTED CUTTINGS—STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, beautiful, large, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	40 00
Queen Louise, white, very free	3 00	25 00
Lorna, white, the largest and one of the best	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, scarlet, the best we ever grew	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00

TO GIVE SATISFACTION IS OUR AIM
Write for the best illustrated Carnation catalogue ever published

The American Carnation | How To Grow It

A Standard Work Written by Request of the Publishers of the Florists' Exchange.

By C. W. WARD

THE CARNATION in America has reached a status and importance in the florist's industry possessed by no other flower of modern times, and a practical work on the subject of the cultivation of the plant has become an urgent necessity. This want is fully and completely met in the present volume, which furnishes the results of years of actual experience of the author, who is recognized as being among the foremost of carnationists in America. The scope of the book will be gleaned from the subjoined table of contents:

History and Development of the Carnation—The Carnation in America—The Commercial Importance of the Carnation Industry—The American Carnation Society—Use of Carnations as a Decorative Flower—General Greenhouse Culture—Soils—Manure and Fertilizers—Propagation and Shipping of Young Stock—Treatment of Young Stock preparatory to Planting Out—Field Culture—Lifting and Planting Carnations from the Field—Treatment after Benching—Picking, Packing and Shipping Carnation Flowers—Insects and Preventives—Diseases and Injuries—Packing and Shipping Field-grown Plants—Forcing Houses for Carnations—Bench Construction—Sub-irrigation—Heating Carnation Houses—Carnations for Summer blooming—Bedding and Hardy Carnations—Carnations for Pot Culture—Raising Carnations from Seed—Cross breeding and Fertilizing—Varieties—Sports and Variations—The Ideal Carnation—Traits and Peculiarities—Various Classifications of the Carnation—List of Varieties for Different Localities—The Future of the Carnation—Its Commercial aspect and Prices—Who shall engage in Carnation Growing—Does it Pay to do things Well—Calendar of Operations—Carnations in California, Canada, in the West, the East, the South.

It will at once be seen that a work of this nature should be in the hands of every florist and others interested in the subject who desire to keep abreast of the times, and to make the growing of carnations, by the most modern methods, a profitable part of their business.

The Book is profusely illustrated by original engravings from life made specially for this work, with four colored plates. Handsomely printed from large, clear type on fine enameled paper. Quarto, cloth. Price, $3.50.

A. T. DE LA MARE PRINTING AND PUBLISHING CO. Ltd.
Offices: 2 to 8 Duane St., N. Y. Address P. O. BOX 1697, NEW YORK CITY

CARNATION CUTTINGS Now Ready

We can ship **at once** well-rooted cuttings of the following varieties, **Free from Disease** and **First-Class** in every respect. **NONE BETTER** and seldom equaled, and if not found satisfactory you have the privilege of returning all cuttings:

WRITE FOR QUOTATIONS AND CATALOGUE.

Enchantress, Mrs. Thos. W. Lawson, Golden Beauty, Governor Roosevelt, Governor Wolcott Apollo, Harry Fenn, E. A. Nelson, Morning Glory, Dorothy Whitney, Estelle, Queen Louise, Prosperity, White Cloud, Stella, Guardian Angel, Mrs. Potter Palmer, Lorna, Mrs. Higinbotham, Gaiety, J. H. Manley, Dorothy, Viola Allen, Mrs. F. Joost, The Marquis, G. H. Crane, Enquirer, Cressbrook, Adonis, Lillian Pond, Pres. McKinley, Mrs. Theodore Roosevelt, Tiger.

J. D. THOMPSON CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

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CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.

Box 226.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00
Mrs. Bradt,	2.50	20.00

250 at 1000 Rates

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing

CARNATIONS

ROOTED CUTTINGS. CLEAN STOCK.

Fairmaid, $5.00 per 100; Mrs. Bradt and Mrs. Lawson, $2.00 per 100. Elm City and Gen. Maceo, $1.50 per 100. Wm. Scott, Mrs. Joost and Daybreak, $1.00 per 100. From soil, 50c. per 100 extra.

J. W. HOWARD,
RUSSELL ST., Woburn, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana..	$4 00	G. H. Crane ...	1 50
Mrs. Lawson.	2 00	Roosevelt	2 00
Queen Louise ..	2 00	J. H. Manley	4 00
Norway ...	2 00	Mrs. P. Palmer ...	4 00
Bon Homme Richard	2 00	Apollo .	4 00
Glacier.	1 50	Mrs. Bradt	2 00
Flora Hill	1 50	Cressbrook	4 00
Gov. Wolcott.	4 00	Gaiety......	3 00
Estella	3 00	Mrs. F. Joost.	1 00
Morning Glory . ..	2 00	Dorothy......	2 00
		Irene ...	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings from Clean, Healthy Stock.

Now Ready.

	100	1000
Mrs. Thomas Lawson -	$2.50	$20.00
The Marquis - - - -	1.25	10.00
Gov. Roosevelt - - -	2.00	15.00

For February and March Delivery.

	Doz.	100	1000
J. H. Manley - -	75c.	$6.00	$50.00
Harry Fenn - -	75c.	6.00	50.00
Mrs. Higinbotham	75c.	6.00	50.00
Queen Louise, or Lorna		2.50	20.00

THEODOR LEONHARD'
P. O. Box 1646, Paterson, N. J.

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N.Y.

Mention the Florists' Exchange when writing.

New Pink Carnation

$UCCE$$

Will pay more per square foot than any other carnation grown. Outbloomed Mrs. Joost last year by 35 per cent, and this season is doing still better.

A tremendous producer of fine, large, stiff-stemmed, well-formed flowers of the shade of La France Rose.

Rooted cuttings, $1.50 per doz.; $2 50 per 25; $8.00 per 100; $70.00 per 1000. For Sale by

HENRY F. MICHELL, Philadelphia, Pa.

JOHN G. SHOLL, Burlington, N. J.
Dept. C.

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CARNATIONS

ROOTED CUTTINGS

Genevieve Lord, $1.50 per 100
Morning Glory, - 1.50 per 100

From 2-inch pots.

Flora Hill, - - $2.00 per 100

JEWETT CITY GREENHOUSES
JEWETT CITY, CONN.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100
J. H. Manley	$6 00
Harry Fenn	6 00
Gov. Wolcott	5 00
Mrs. Lawson.	3 00
Goodenough, white.	2 50
Morning Glory	2 00
Gen. Maceo	1 50
Mrs. Joost	1 50

SIDNEY LITTLEFIELD,
NORTH ABINGTON, MASS.

Mention the Florists' Exchange when writing

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. **The Former,** sent out Spring of 1902 has proved **Without an Equal as a High-grade Commercial Variety. The Latter,** sent out in 1901 in limited quantity is to-day **The Standard** every day commercial **White on the Boston Market.** A marvel for early, free and continuous blooming. **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$15 00
"BOSTON MARKET"	5.00	40.00

Both will be on Exhibition at Brooklyn, February 19 and 20.

PETER FISHER, Ellis, Mass.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen, $10.00 per 100, $75.00 per 1000, $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100	Per 1000
Cressbrook -	$5.00	$40.00
Challenger -	5.00	40.00
Fair Maid -	6.00	50.00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON,
Fall River, Mass.

Mention the Florists' Exchange when writing.

NEW

Fancy Carnation

"TIGER"

Orange, striped pink; 2 to 3½ inches, calyx strong, fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000.

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent, shows quality of our stock.

	100	1000
Prosperity.	$4 00	$35 00
Roosevelt	3 00	25 00
Cressbrook.	5 00	40 00
Mrs. Bradt.	4 00	35 00
Mrs. Joost	$1 50	$12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 00	20 00
Daybreak.	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50

We have some very early Wm. Scott and Flora Hill in soil for Summer blooming, $12.00 and $15.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. See advertisement on page 74.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00, 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerly, R. I

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS CARNATIONS and ROSES

CARNATIONS

	Per 100	Per 1000
Flora Hill	$1.50	$12.50
White Cloud	1.50	12.50
Norway	1.50	12.50
Mrs. Lawson,	1.50	12.50
Sport	1.50	12.50
Guardian Angel	1.50	12.50
America	1.50	12.50
The Marquis	1.50	12.50
Mrs. Potter Palmer	1.50	12.50

ROSES

OUT OF 2½-INCH POTS

	Per 100	Per 100
La France	$4.00	$35.00
Kaiserin	3.50	30.00
Ivory	4.00	35.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Meteor	2.50	20.00

IVORY CUTTINGS, $2.50 per 100; 20.00 per 1000.

WIETOR BROS., 51-53 Wabash Ave., Chicago, Ills.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

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Per inch, $1.25. Special positions extra. Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
American Carnation Society......... 86
Bowling at Flatbush................. 90
Briefs for Busy Florists............ 80
Canada News 91
Carnations, Illustrations of......... 88
Catalogues Received 77
Changes in Business................. 87
Chrysanthemums 92
Correspondence 93
Fires 87
Market, Review of the............... 90
Mitchell, S. J. (Portrait)........... 92
Nursery Department 78
OBITUARY:
  Mrs. Krick (Portrait), John Lydon, John S. Murray (Portrait), P. A. Peterson.............. 86
Peony, The 92
Post Check Currency................. 86
Presentation to David Rust (Portrait) 87
Question Box 84
Reflections on Current Topics....... 87
St. Louis World's Fair.............. 86
Seed Trade Report................... 77
Supplement—Ulmus americana...... 86
Thermometer, A Recording.......... 93
TRADE NOTES:
  Paterson, N. J...................... 84
  New London, Conn., Philadelphia. 90
  Chicago, New York................. 94
  Boston, Lenox, Mass................ 96
  Cincinnati, Indianapolis, Pittsburg, St. Louis, St. Paul................ 97
White Fly, The...................... 89

The Bureau of Plant Industry, Department of Agriculture, Washington, D. C., has compiled and issued a list of American varieties of vegetables for the years 1901 and 1902. The manuscript was prepared by Mr. W. W. Tracy, Jr., assistant in Botanical Investigations and Experiments, who deserves great credit for his careful and painstaking labors.

Bertemann Bros., Indianapolis, Ind., issue a neat little memorandum book which, in addition to serving that purpose, instructs recipients on the several stocks obtainable at different seasons of the year from the firm. It is a unique and useful way of advertising.

THIS WEEK'S SUPPLEMENT.

Ulmus Americana.

The American elm, Ulmus americana, has long been recognized as one of the noblest of native trees. Other trees grow as large, but none makes the grand appearance of this elm. Even in its own genus none approaches it in general merit. In Pennsylvania the only other species native to the State is U. fulva, well known as the slippery elm. Its growth is not at all like that of U. americana. The illustration is a fair type of the way the latter branches. There is, generally, a solid trunk, sometimes 4 to 5 feet in diameter, and then a divergence of branches. The trunk apears to stop suddenly, the huge branches—trunks in themselves—taking its place.

The illustration is of a tree on the grounds of Messrs. Ellwanger & Barry, Rochester, N. Y. This specimen was planted by nature, and was already a large tree in 1840, when the land on which it stood was purchased. It stood at that time in the crotch or "V" of a rail fence, in the center of the division line between two pieces of property, and thus had escaped the axe. Since then, it has grown considerably, its present dimensions being as follows: Girth at 2 feet from the ground, 13 feet; girth at 7 feet from the ground, 15 feet 1 inch; height, 78 feet; spread, 80 feet 4 inches.

It may be 125 to 150 years old. It branches 7 feet from the ground, having seven main boughs with numerous large auxiliary ones. At present its umbrageous arms shade the business office of the nursery. Its girth and height, while not extraordinary, are nevertheless much beyond the dimensions of the average elm, and its graceful beauty, whether revealed in its naked spray in Winter and its bourgeoning buds in the Spring, or when its foliage is stirred by the passing Summer breeze, is ever a renewed delight to all who may perceive in a majestic elm what Michaux has termed "the most magnificent vegetable of the temperate zones."

In the vicinity of Philadelphia, where this species grows wild, it is always, or nearly always, found in low ground, not a wet place, but flat, and with deep soil. These trees are more spreading, though of the same pleasing outline. It is more common than the Ulmus fulva, which is to be seen but occasionally, and usually along the margins of creeks.

As an avenue tree the American elm has been much planted in parks, and still is to-day. In Fairmount Park, Philadelphia, a long line has been set skirting the drive along the border of the Schuylkill River, which in time will make a grand appearance. In New England this tree has been so much planted for shade, besides being native there, that New England and the elm seem to belong one to the other.

When planting this tree its great size, when full grown, must be remembered, or it may become decidedly out of position. Surroundings have much to do with this. Take the tree illustrated, for example. It is over 70 feet in height, over three times that of the cottage it fronts, yet it will strike no one as being out of place. Probably, in its younger stage, when its branches obscured the house, it may have appeared less pleasing than now.

Other native elms, less often met with in cultivation than they should be, are: U. racemosa, alata and crassifolia. Both racemosa and alata are interestingly corked, the bark of alata being arranged in somewhat winged ridges.

Ulmus crassifolia is a small-leaved species, native of Texas and other southern States, and, while all the other species named ripen their seeds in early Spring, this one does not until the very last thing in Autumn. In this respect, it keeps company with a Japanese species, U. parvifolia, which, curiously, behaves precisely in a similar way.

The early ripening seeds require sowing as soon as gathered, to be successful in getting them to germinate. Following a good season, the seedlings will be a foot in height by the time growth for the season is over.

JOSEPH MEEHAN.

AMERICAN CARNATION SOCIETY.

Varieties Registered.

By P. J. Fay (Gardener to Dr. Wm. Seward Webb), Shelburn, Vt.

MRS. WM. SEWARD WEBB.—Color white, a sport from Mrs. George M. Bradt that has not reverted in three years and therefore is considered as fixed and a distinct variety. Flower very large, the original being small in comparison; very double and deeply fringed. More healthy and vigorous than Mrs. Bradt, with a longer-stemmed flower that is fragrant.

By Henry Eicholz, Waynesboro, Pa.

TIGER.—Color orange, striped pink; size 2½ to 3 inches; calyx very strong, seldom splitting; type that of Mayor Pingree; habit stiff, no supports being needed; foliage, a dark green; an early and continuous free bloomer.

ALBERT M. HERR, Secretary.

Post Check Currency.

The advantages of the Post Check Currency system were presented to the House Post Office Committee on January 5, by Mr. C. W. Post. The members of the committee were greatly interested, and several of them unhesitatingly declared themselves to be friendly to the measure. At the conclusion of the hearing the matter was referred to a sub-committee consisting of Hon. H. H. Bingham, Hon. J. H. Bromwell and Hon. W. S. Cowherd for further consideration and report and this sub-committee is now taking the matter actively in hand. Those who favor an expeditious, safe, and economical plan of sending money through the mails, at a minimum cost to the sender—and that means all in the trade—should address a letter to either of the gentlemen named, at Washington, D. C., urging the adoption of the Post Check Currency system.

St. Louis World's Fair.

Announcement is made by the executive committee of the World's Fair to be held in St. Louis in 1904, that Frederic W. Taylor, who has been acting chief for the past year, is to be Chief of the Department of Horticulture dating from January 1. This, in addition to the appointment made more than a year ago by which Mr. Taylor has been and is to continue Chief of the Department of Agriculture.

It seemed desirable to have these two great departments handled as a harmonious whole, since the buildings to house them are located upon and occupy exclusively a large and high hill in the most commanding position on the Exposition grounds.

The building devoted to horticulture will cover six acres and the one devoted to agriculture twenty acres. Surrounding these two buildings are forty-one acres of ground, the entire area of which has been placed in the hands of the chief for planting and treatment.

Applications have already been received for outdoor space to such an extent that it is assured that the exhibit will be by far the largest and best ever made at any exposition.

Indoor space has also been applied for in a thoroughly satisfactory amount, and it is likely that within sixty days there will be applications on file for the entire area.

The plans of the two great buildings are well under way and bids will be called for upon one of them within the next ten days, the other being treated a little later. As soon as these plans are ready to be photographed copies will be sent to the agricultural and horticultural press in order that those interested in these great industries may know with regard to the splendid provisions being made for them in the exposition.

A writer in the Rosen-Zeitung for December last states that the La France rose seeded with him, and that from the seed secured he grew three seedling rose plants, all of which, however, were of little value. He asserts that La France may not be infertile, as is claimed by some.

Obituary

Mrs. Kunigunda Krick.

Mrs. Kunigunda Krick died suddenly of heart disease on Saturday, January 17. She was the widow of Charles M. Krick, one of the pioneer florists of Long Island, and a sister of George Zeiner, florist, Flatbush, N. Y.

After her husband's death, which occurred on March 19, 1895, Mrs. Krick, until very recently, continued the florist business at Central place, Brooklyn.

The deceased lady was born in Germany, May 6, 1829. She had never been sick for a single day, and on the morning of her death went about her household duties as usual. Two sons, William C., of 1287 Broadway, Brooklyn, the inventor of the florists' letters, and other trade accessories, and George M. Krick, a florist, also two daughters, survive her. Interment was in Evergreens Cemetery on January 20.

John Lydon.

John Lydon, one of the best known orchardists in Geneva, N. Y., died Monday, January 12, 1903, from enlargement of the heart. He had lived in Geneva over fifty years. Mr. Lydon was born in Ireland and came to America when a young boy. Early in life he secured work in a nursery, and several years ago became connected with the experiment station. His work was mostly with fruit trees. He had general supervision of the orchards of the station. He was also a skillful exhibitor and was in charge of the various exhibits that the station sent to the fairs and horticultural meetings. His last work of the kind was at the meeting last week of the New York State Fruit Growers' Association in Buffalo, where he had charge of the exhibit made by the station. He leaves a widow and nine children.

John S. Murray.

The late John S. Murray, the pioneer florist of Montreal, was born in Rattray, Perthshire, Scotland (not in Alyth, Forfarshire, as has been so often stated), in 1833. He came to Montreal in 1854, working the first few years as a private gardener. In 1861 he started the present store at 822 Dorchester street, in connection with his first greenhouses. These soon becoming inadequate to meet the demands of his growing business, in 1877 he purchased a block of ground in Côte street, Antoine (now Westmount), and built what was then the finest range of glass in Canada. To this he added the dwelling in which he resided at the time of his death.

Mr. Murray was known as a quiet, unassuming man, thorough-going, home-loving, attentive to business, honorable and scrupulous in all his transactions, and was highly respected by all who knew him. His pleasant personal appearance, gentle manners and genial smile made him a great favorite with children, of whom he was passionately fond, and to many the pleasantest as well as the most lasting memories of Mr. Murray, will be of him in the midst of a crowd of children at the Gardeners and Florists' Club's picnics, his hands and pockets full of cakes, candies and other such things as children love, advising, superintending, distributing and adjusting contests. To any who attempted to attract him to other objects his invariable reply was, "Leave me alone; I'm happy."

P. A. Peterson.

P. A. Peterson, of the firm of P. A. Peterson & Son, founder of the Rose Hill nurseries near Chicago, died on Monday, January 19, 1903. He was born in Sweden seventy-five years ago. He acquired the groundwork of his profession in his native country, and was for many years employed in the establishment of Louis Van Houtte, Belgium. Mr. Peterson landed in America in 1851, first working for various firms in the East, and latterly settling in Chicago in 1853. He bought the first acre of ground for his nurseries the first year he arrived. These nurseries now contain 500 acres. One of his specialties was peonies, of which the firm has an extensive collection, and when these plants were in flower invitations were extended to many friends in Chicago and elsewhere to witness the gorgeous array of bloom then presented. On three occasions Mr. Peterson proved a delightful host. He was the first nurseryman in Chicago to move large trees, and all of the city's parks and boulevards, as well as those of other places, contain his products. In 1895, William A. Peterson was admitted to the firm, and soon thereafter assumed the management of the concern.

The deceased was an enthusiast in his profession, was widely read, and highly esteemed by the craft for his many sterling qualities.

Though not a politician, Mr. Peterson served as a trustee of Jefferson many years, and most of the good roads and bridges in that district are due to his efforts. Peterson avenue, which was named for him, he opened for a distance of three miles at his own expense. As a philanthropist his name is known from one end of Sweden to the other. Mr. Peterson was for many years a member of the Union League and Germania clubs, and of horticultural societies at home and abroad. In 1894 he was made a Knight of Vasa by the King of Sweden. Mr. Peterson leaves a widow and one son.

Reflections on Current Topics.

MR. EDITOR: I have just read your awful arraignment of authorities responsible for the attempt to form what you style the "alleged Peony Association of the S. A. F.," and beginning "harking back." It seems to me that article should have commenced with the words "Barking back," for, evidently, those whom you call in question are "up a tree," where for the time being they remain silent and shivering like the guilty urchin treed by the faithful canine of the farmer.

Who'd a thought of it, that in her old age the S. A. F. should seek to contract a "morganatic" alliance with such an antiquated anthropoid as the peony? Had the S. A. F. wished to wed with, say, the association of aristocrats of the vegetable world, and flung herself away on them, one would not have been so astonished at her antics; but the plebian peony! Fie! And to think she would throw down her best friends, the commercial men; lose her faith in their honesty, after these many years of unselfish support, for her unsophisticated stripling, "the ornamental horticulturist." Well, that beats the band!

From what I hear, however, the peony specialists only laugh at the old girl's capers, and are waiting, like yourself and the other recognized and respected members of the trade, to hear what her father, the president, thinks of her cantrips. Has she got beyond him? Or is he a believer in the axiom that "silence is golden," when to speak could neither explain away nor expiate?

This, it looks to me, is a clear case of the tail wagging the dog, and a straggly sort of a tail at that. Like the fox terrier's, a caudal appendage of this kind is far better excised than permitted to dangle. The president should Carrie-Nation it at once, for his own credit, and that of the "good old S. A. F.," the pet of post-prandial horticultural orators, and the pride of the prudent and practical craftsman.

I met a Boston man the other day, and he informed me they had a rousing meeting in that city on Saturday last concerning express rate matters. He showed me a local newspaper containing a resolution adopted at that meeting, in which the advance on rates was respectively represented as being, among a few other things, discriminating, arbitrary, unreasonable, unwarranted, unprecedented, and oppressive. He also told me that, failing the force of these adjectives to move the express companies either to tears or to take off the added 50 per cent., the S. A. F. will appeal to Congress for a special bill regulating the rates of transportation. He likewise stated that a Boston retail florist, in an interview, had advanced the remark, that the express companies needed all they got for the excellent service they rendered. I was glad to hear that the S. A. F. had the courage to threaten these coin-corralling corporations with the law. But if there's many more holding the view of that retailer, what's to be the result? "A house divided against itself" can accomplish but little. This is surely a case for the utmost harmony and unanimity of purpose.

However, am somewhat of the opinion of ex-President O'Mara. Something stronger than mere words are wanted to take the feet from these common carriers. Strike from under them the props they put forward in support of their action. By material proof show that their assertions are erroneous. Tell them, and prove it, that the work they do can be performed for the old rate and still at a profit to themselves. Flaunt in their faces unpaid, justifiable claims arising out of the very want of the extra care and service they assert they give; above all, do as the Exchange and Mr. O'Mara says: Divert your traffic, if you can, to some other mode of conveyance; for, like ourselves and the S. A. F., the express companies will begin to think, if some unfavorable condition comes up to touch their pocketbooks; when anathemas and word-slinging by way of condemnation, censure, or advice, pass them (and us) as the idle wind. This is a case for action, not words.

DAVID RUST.

Secretary Pennsylvania Horticultural Society.

I see by the papers that Alexander Dowie, of Zion, with 3,000 of his followers, is about to begin a campaign on Milwaukee with a view to the city's conversion to Zionism. That campaign will last till August. Probably "Lastman" in his present condition might find consolation by then becoming a Dowieite, and thereby secure stronger caustic correctives than he evidently possesses, in hymn and prayer, for the salvation of JOB.

Presentation to Secretary Rust.

A very pleasant happening occurred at the meeting of the Pennsylvania Horticultural Society, held Tuesday evening, January 20, when its secretary, David Rust, was presented with a handsome sum of money in recognition of his valued services rendered to the Society. A committee had been appointed to take the matter in charge, consisting of Messrs. John McCleary, chairman; Henry F. Mitchell, treasurer; Edwin Lonsdale, secretary, and Messrs. William Robertson, William Kleinheinz, George Morrison, Thomas Long, and Gordon Smirl.

The presentation was made by Robert Craig in one of his felicitous speeches. In the course of his remarks Mr. Craig said that, owing to the burning down of the Horticultural Hall in 1893, the Society had unfortunately fallen behind financially on account of the expense of renting halls for exhibition purposes, while the new hall was in process of building. During those years the lot of the secretary was not a pleasant one, as he had to bear the brunt of all complaints. Now, however, the Society was free of debt, and things were going smoothly. He commented upon the work of Secretary Rust during the exhibitions and complimented him on his faithful services in the most trying times, his unfailing courtesy and obliging disposition. Mr. Craig's remarks were loudly applauded.

Mr. Rust, in a few well-chosen words, returned thanks for the unexpected testimonial, adding that such a presentation was undeserved, as he had only done his duty. No one but he who holds the position of secretary could understand fully the true value of such a token. If a secretary did his duty faithfully to his society, he was sure to displease some one at times; but he (the speaker) was pleased to see that his past efforts had been appreciated. This material recognition of his services would prove an incentive to greater endeavor.

The list of subscribers was headed by Mr. James W. Paul, Jr., president of the Society; Mr. Sidney W. Keith, treasurer, and such prominent members as Mr. C. Hartman Kuhn, Mr. Beauveau Borie, Mr. James M. Rhodes, Mr. C. L. Borie, Jr., Mrs. George W. Childs-Drexel, Mr. George D. Widener, Mr. James W. Pepper, and others.

Mr. Rust is now serving his eighth year as secretary of the Pennsylvania Horticultural Society, having been elected to the office in December, 1895.

FIRES.

FLEMINGTON, N. J.—Fire in the greenhouses of L. Bonnot, on January 13, was fortunately discovered and extinguished before much damage was done.

ROSLINDALE, MASS.—The greenhouse of James I. Little was recently injured by fire to the extent of $100. The blaze was caused by a defective flue.

CHANGES IN BUSINESS.

LAWRENCE, MASS.—Edward Dowding will start in the florist business here.

ROCKFORD, ILL.—The R. B. Van Valkenburgh nursery business has been purchased by H. O. Hinkley, florist, who intends to also engage in landscape gardening.

INDEX OF ADVERTISERS

Allen J K 95
American Bulb Co...77
Amling E C 97
Anderson & Christensen 82
Andorra Nurseries ..78
Aschmann G 82
Asmus E G 80
Bebbington & Son ...91
Bader J 82
Baker W J 96
Baker & Dick 94
Barr R F 84
Bassett & Washburn.81
Bayersdorfer H & Co 100
Beckert W C 75
Berckmans P J Co...78
Berger H H & Co....77
Bernheimer E 96
Berning H G 97
Blaauw J & Co......78
Black C 78
Bobbink & Atkins....73
Bock W A 82
Bonnot Bros 95
Boston Letter Co 98
Bradshaw & Hartman 95
Briarcliff G'houses ..94
Brown Bros Co 78
Brown E C & Co.....98
Brown P 79-84
Burgevin P J 82
Burpee W A & Co..74
Byer Bros 79
Caldwell, the Woodsman 94
Cal Carn Co 77-80
Canadian Advts 91
Carmody J D 98
Central Mich Nurs...79
Chicago Carn Co....84
Childs J L 75
Channick W J 78
Clucas & Boddington.73
Coblentz P O 77
Conard & Jones Co..82
Connell Benj 83
Cottage Gardens 85
Cowee A 75
Cowee W J 98
Cowen's N Sons.....98
Craig R & Son.......82
Crooke J J Co......94
Crowl Fern Co 94
Cunningham J H ...79
Cut Flower Ex 95
Davis A B & Son....76
Deamud J B 97
Deming Co 98
Dietsch A & Co 98
Diller, Caskey & Co 99
Dillon J L 79
Dillon G'house Mfg Co 99
Dingee & Conard Co 83
Dorner F & Sons Co.85
Dreer Hy A 76-98
Dumont & Co 96
Dunne & Co 98
East'n Chem Co.....98
Eichholz H 85
Eisele C 100
Eisele J G 82
Elizabeth Nurs Co ...75
Elliott W & Sons....74
Elliott W H 73
Emmans Geo M 82
Endtz Van Nes & Co.78
Evenden Bros 85
Farquhar R & J & Co 76-81
Felthousen J E 84
F & F Nurseries 78
Fick & Faber 85
Fisher P 85
Fillow & Banks 81
Foley Mfg Co 99
Foster L H 82
Furtunes J 94
Gammage J & Sons..91
Garland G M 99
Ghormley W 95
Giblin & Co 98
Goodale B E 77
Greene & Underhill..84
Greenhouse Mfg Co..99
Gunther W H 95
Guttman A G 95
Haerens Bros 82
Hammond J A 94
Harcourt's J D Sons.83
Harris C A & Co....82
Heacock Jos 82
Helios Upton Co 99
Heller & Co 77-81
Herr A M 84
Herr D K 84
Hermann A 100
Hews A H & Co....100
Hicks & Crawbuck...95
Hill E G & Co.......80
Hiltinger Bros 100
Hippard E 100
Hitchings & Co.....100
Holton & Hunkel Co.97
Horan E C 95
Hor'l Advertiser 98
Howard J W 85
Hughes G J 79
Hunt E H 97
Igoe Bros 84
Jacobs S & Son.....100
Jackson J H 99
Jackson & Perkins Co 78-82
Jennings E B 79
Jessamine Gardens ..78
Jewett City G'houses 85
Johnson & Stokes ...75
Jones H T 78
Joosten C H 83
Just Geo 83
Kasting W F 96
King Construction Co 100
Koster & Co 78
Kraft T 84
Kreshover L J 94
Kroeschell Bros Co . 99
Lager & Hurrell 82
Landreth D & Sons 77
Lang J 95
Langjahr A H . 95
Lehman Bros . ..100
Leonhard T 85
Limbach C 98
Littlefield S 85
Little South Floral Co 85
Livingston Seed Co...98
Lockland Lumb Co.. 99
Long D B 98
Longsdorf L 78
Lord & Burnham Co.99
Lovett J T 78
Mader P 79
Manhattan Supply Co.83
Manger W & Sons ..78
McFadden E C . ..82
McCarthy N F & Co.96
McKellar & Winterson 97
McManus J 95
Meyer C F 82
Michell H F 75
Millang F 95
Moninger J C Co.98-99
Moon S C 79
Moon Wm H Co.....78
Moore, Hentz & Nash.95
Moore W J 96
Moss G M 96
Mott Walter Sd Co..74
Muno J 97
Murphy Wm 84
National Board Trade.98
National Plant Co....84
N Y Cut Flower Co..96
Niessen L 96
Ouwerkerk P 78
Peacock S S 96
Perkins J J 95
Phila Market 94
Pierce F O Co 100
Pierson A N 80
Pierson F R Co.....73
Pierson-Sefton Co....100
Pinehurst Nurseries .78
Pittsbg Cut Flow Co.96
Pollworth C C Co....97
Quaker City Mch Co.98
Rawlings E I 82
Rawson W W & Co.74
Raynor J I 95
Reed & Keller 98
Reid Ed 96
Reinberg George 80
Reinberg Peter 80
Reuter S J 85
Reynolds J L Co.....85
Riedel & Co.........95
Ripperger Geo 98
Robinson H M & Co.94
Roemer F 77
Rupp J F 77
Saltford Geo 95
Sander F & Son.....82
Schmidt J C 79
Schmitz F W O.....74
Schultheis A 82
Scott J 82
Shellroad G'houses 74
Shepherd Mrs T B Co.74
Sheridan W F 95
Sholl J G 85
Slinn B S Jr.........95
Smith C 95
Smith N & Son..... 82
Smith Wm C 94
Smith W & T Co....78
Soltau C 79
So Park Floral Co....80
Springfield Floral Co 82
Stearns A T Lum Co.99
Stern J 98
St Louis Carn Co ...80
Stone E E 79
Stoothoff H A Co....93
Storrs & Harrison Co.78
Stumpp & Walter Co 74-83
Styer J J 75
Sutherland G A 96
Swayne W 85
Syracuse Pottery Co.100
Taylor E J 85
Thompson J D 85
Thorburn J M & Co..77
Tobacco W & T Co..98
Traendly & Schenck..95
Vanhorn Griffen & Co.99
Vaughan's Sd Store 74-75
Vesey W J & M S..85
Vick's Jas Sons......77
Vincent R Jr & Son 78-84
Warburton C 85
Weber C S & Co....99
Weber H & Sons 81
Webster Bros 91
Weeber & Don 75
Welch Bros 96
Weston H 82
Whilldin Pottery Co.100
Wietor Bros 85
Wittbold Geo Co 82
Wood Bros 79
Young J 95
Young & Nugent ... 95

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 79-84
Ageratum ...76-79-82-84
Alternanthera 84
Alyssum 73-76-77-79-82-84
Ampelopsis 73-78
Amygdalus 73
Araucaria 82
Asparagus ..73-75-76-79-82-84-91-100
Asters 73-76
Azaleas 73-78-82
Begonias .73-75-76-79-82
Bougainvillea 82
Box 78
Browallia 76
Bulbs (not named) 75-77-97
Caladium 78
Candytuft 73-76
Cannas ...77-78-79-82-83
Carnations ..76-77-79-80-81-82-84-85-91
Centaurea 73-74-76
Chrysanthemums ..81-83
Cinerarias ...74-76-77-82
Citrus 78
Clematis .73-75-78-82-100
Cobea 73-74-76
Coleus 79-82-84
Conifers 78
Crotons 82
Cuphea 79
Cut Flowers..94-95-96-97
Cycas 82
Cyclamen 76-77-79
Cyperus 79
Dahlias 76-79
Daisies 73-74-79-82
Decorative Plants ...82
Deutzia 78-100
Dielytra 73-78
Dracæna 73-76 79-82-100
Ericas 82
Euonymus 78
Evergreens 78
Fern Balls 73-75-82
Ferns 82 85 94
Feverfew 79-82-84
Ficus 78-82
Fuchsias 79-82-84
Gazanias 79
Genistas 82
Geraniums ...79-82-84-91
Gladioli 73-75-77
Gloxinias 73-75
Grevillea ... .76
Heliotrope ...76-79-82-84
Hibiscus 79
Hyacinths 73-83
Hydrangeas 78
Ipomœa 76-79
Ivy 73-82-84
Lantana 76-79-82-84
Lemons 78
Lilacs 73-78
Lilies 73-75-78
Linaria 76
Lobelia 73-74-76
Maples 78
Mignonette 73-76
Morning Glory 73
Myosotis 84
Narcissus 73
Nursery Stock 78
Orange 78
Orchids 82
Palms 73-78-82-91
Pansy 73-77-79
Pennisetum 76
Peonies 78
Petunia ..73-74-75-76-79-82-84
Phlox 77
Pinks, Hardy 79
Primula 77-82-100
Privet 78
Pyrethrum 73-76
Rhododendron 73-78
Roses .73-78-80-81-82-83-84-85-91
Salvia 73-76-79-82-84
Seeds (not named) 74-75-77-97
Selaginella 79
Shamrock 83
Shrubs 78-83
Small Fruits 78
Smilax ..73-76-79-82-84-91-94
Solanum 76
Spiræa 73-78
Staphylea 73
Stocks 73-76
Strobilanthes 79
Swainsona 79-84
Sweet Peas 76
Thunbergia 73
Torenia 76
Trees 78
Tuberoses 75
Tulips 73-82
Vegetables 75-77-78
Verbena ...73-74-75-76-77-79-84
Vincas 76-79-82-84
Violets 79
Weigela 78
Wistaria 73

MISCELLANEOUS.

Auctioneers 96
Bamboo Canes 83
Boilers 98-99-100
Books 76-84-98
Business Opps 83
Collections 98
Cut Flower Boxes ..98
Decorative Greenery .94
Designs 96 97-100
Fertilizers 98
Fittings 99-100
Florists' Letters ..96-98
Florists' Supplies 96-97-98-100
Flower Pots, etc..96-100
For Sale 83
Galax 94
Glass 98-99-100
Glazing Points 98
Greenhouse Building 99-100
Gutters 99-100
Insecticides .. 75-93-98
Lumber 98-99-100
Mastica 100
Moss 94
Mushroom Spawn 74 75-77
Newspapers 98
Painters' Supplies ...98
Peat 94
Printing 97-98
Putty 99-100
Sash 99-100
Seed Cases 77
Sprayers . .. .98
Stakes & Supports....84
Thermometers 99
Tile 99
Tinfoil 94
Toothpicks 98
Ventilators 98 100
Wagon Heaters 100
Wants 83
Wax Flowers & Designs 98

CARNATIONS

American Carnation Society.

The American Carnation Society was incorporated at Albany, N. Y., on January 19 last, to increase general interest in the cultivation and use of the carnation. The directors are: W. G. Bertermann, of Indianapolis; Fred H. Lemon, Richmond, Ind.; Albert M. Herr, Lancaster, Pa.; Fred Dorner, Jr., Lafayette, Ind.; William Scott, Buffalo, N. Y.; W. J. Vesey, Fort Wayne, Ind.; Charles Willis Ward, Queens, N. Y.; William Swayne, Kennett Square, Pa., and Eugene Dailledouze, Brooklyn.

Premium List for Brooklyn (N. Y.) Show.

The schedule of premiums for the Brooklyn exhibition of the society, February 19 and 20 next, has been issued by Secretary Herr. The show will be held in the Art Building, 174 Montague street, Brooklyn, N. Y., which is but a short distance from the meeting room of the society, the Germania Club House, 120-2 Schermerhorn street. All exhibits should be addressed to William Plumb, manager carnation exhibition, 174 Montague street, and should be sent prepaid.

This year no papers will be read before the society; instead, the question box will be called into requisition after completion of the formulation of a new constitution and by-laws, consideration of which, it is expected, will consume the major portion of the sessions of the society.

Varieties shown for a certificate of merit must have been bloomed not less than three years; and not less than fifty blooms must be shown. An entrance fee of $5 00 is charged for each variety, which must be properly labeled with the society's card. Cards can be had from the secretary.

The preliminary certificate can be competed for by two-year-old seedlings, twelve blooms or more to be shown; and an entrance fee of $2.00 paid for each variety.

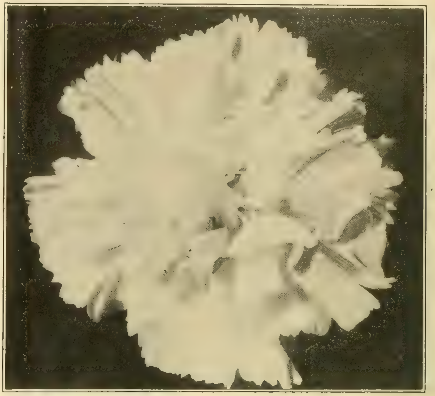
In Class A, first and second prizes of $12.00 and $6.00, respectively, are offered for one hundred blooms in each case of white, light pink, dark pink, scarlet, crimson, yellow variegated, white variegated, and any other color.

In Class B, premiums of $6.00 and $3.00 will be awarded for fifty blooms, in the colors named above; also in class C, prizes of $3.00 and $1.50 for twenty-five blooms, in the same colors.

The special premiums offered include the following:

For collection of carnations, not less than ten nor more than fifteen varieties, and not less than fifty nor more than one hundred blooms of each variety in a vase, arranged for effect, buds and carnation foliage to be allowed; undisseminated varieties admissible; open to all growers who are members of the American Carnation Society: First prize, Brooklyn Institute Special, $50.00; second, $30.00; third, $20.00. The prizes may be awarded in silver plate, bronze, or art glass, at option of winner.

VASE OF CARNATION WHITE MRS. THOS. W. LAWSON.
Grown by C. H. Allen, Floral Park, N. Y.



SINGLE FLOWER OF CARNATION WHITE MRS. THOS. W. LAWSON.

For collection of carnations, not less than six nor more than ten varieties, and not less than fifty nor more than seventy-five blooms of each variety in a vase; arranged for effect, buds and carnation foliage allowed: open to all growers having not more than 25,000 feet of glass devoted to carnations: First, Ward silver cup, value $25.00; second, $10.00. Undisseminated varieties not admitted.

For collection of carnations, not less than five nor more than eight varieties, and not less than twenty-five nor more than fifty blooms of each variety in a vase, arranged for effect, buds and foliage allowed; open to all growers having not more than 15,000 square feet of glass devoted to carnations, undisseminated varieties not admitted: First, Straus silver cup, value, $25.00; second, Loeser vase, value $15.00.

The American Carnation Society's special prizes are: $25.00 silver cup, for best exhibit of two hundred blooms of carnations, any variety, any color; undisseminated varieties admissible.

For best collection of single blooms of carnations, not more than one bloom of any variety to be shown; all to be correctly named or numbered; undisseminated varieties admissible: First, $15.00; second, $10.00.

The Lord & Burnham Company, of Irvington and New York City, offer first and second prizes of $30.00 and $20.00 for the best collection of commercial carnations, varieties to have been introduced to commerce prior to 1902; collection not to exceed ten varieties, fifty flowers of each variety to a vase.

Chatterton Warburton, Fall River, Mass., offers $25.00 in cash to the party showing the best vase containing fifty bloms of variety Cressbrook, their own growing.

Peter Fisher, of Ellis, Mass., offers first prize of $12.00; second of $8.00, and third of $5.00 for vases of fifty blooms of variety Governor Wolcott, grown by the exhibitors.

The Lawson gold medal will be given for the best vase of one hundred blooms, any variety, any color; the Lawson silver medal for the second best vase of one hundred blooms, any variety, any color; the Lawson bronze medal for the third best vase of one hundred blooms, any variety, any color.

The special medals of the Society of American Florists will be awarded as follows: A silver medal for best vase of fifty blooms of carnations not yet disseminated; bronze medal for second best vase of fifty blooms of carnations not yet disseminated; the variety in all cases to be of American origin. The judges are to reserve awards in this class if in their opinion the exhibits are not worthy of the medals.

Copies of the schedule can be obtained on application to Secretary Albert M. Herr, Lancaster, Pa. Further special premiums, if any, will be announced later.

An Explanation.

In my last article I spoke of the cut from 4,500 Mrs. Lawson plants being over 11,000, but I neglected to mention that this was simply for the month of December, 1902. No doubt those who read the article noticed the omission.

The Use of Ashes.

The question of sand for propagation is a very interesting one, for the reason that many florists are not so situated that good clean sand can be readily obtained by them. Sand is the propagating medium in most places, but often there is considerable expense connected with it, for it at times becomes necessary to bring sand from a distance and this makes it an item of considerable expense. During my studies on sterilization of soil I became convinced, that to have healthy stock it is absolutely necessary that the stock come from the cutting bench free from damping fungus; and I considered the advisability of sterilizing the sand used for propagation.

Ashes have been employed before for this purpose, and not finding it economical to sterilize sand I began to experiment with soft coal ashes; and with them we have had excellent success. In the first place, they are free from all fungus, and are as thoroughly sterilized as any one could wish. Then, too, they are not hard to obtain, as wherever coal is burned there must be ashes, and these can be had without the cost of carting.

When ashes are used in the propagating bed they should be sifted through a fine sieve and then put into the bench. Moisten them well and let them stand over night. Then pound them down and wash them, putting on enough water to thoroughly wet them and until it begins to run through the bench. This takes out any injurious gases that may have clung to the ashes, and leaves them perfectly clean. They will then need to stand a day or so, and can be used exactly as sand is. It takes a heavier knife to cut them, however, and one cannot do quite as rapid work; but with a house that has a tight roof and well ripened cuttings to work with the percentage of well-rooted, clean, healthy cuttings should be large.

There is, however, one point in connection with ashes wherein it is different from sand: When the cuttings are rooted, in sand, we do not keep them quite as moist as we do while they are rooting, and they come out as well as they would were the sand wetter. With ashes it is different. When the cuttings are rooted they can be kept until it is convenient to take them

THREE BLOOMS OF DAILLEDOUZE BROTHERS'
White Seedling Carnation No. 138 A.

SINGLE FLOWER OF DAILLEDOUZE BROTHERS'
White Seedling Carnation No. 138 A.

out, slightly on the dry side; but before taking them from the ashes they should be watered thoroughly. Where this is not done the ashes are liable to cling to the roots and cause them to be broken off. When I first used ashes I lost a good many cuttings for this reason. They would look perfectly healthy and not in the least wilted, but would have no roots; and it was a question for some time as to why this should be so, until I accidentally discovered that the ashes they came from seemed to be full of roots and had become so hard that the roots had been broken. When the ashes are moistened, however, they do not hold together and we now have no trouble from that source.

When potting cuttings from ashes they should be dipped into water which will cleanse them and leave fine clean roots to put into the soil. This also applies to cuttings from sand.

Care of Potted Stock.

Personally, I favor early propagation, and especially in the case of heavy-growing varieties, such as Mrs. Thomas W. Lawson; but the care of potted stock is a great drawback, and when one must have a great many plants it becomes a serious problem. To take cuttings from the sand or ashes in the early part of March and then let them root well in the pots before they go abroad in April is comparatively easy, but if they are potted off in early January it is a different proposition. If a young plant becomes pot-bound and bony it is seriously injured, and this must be carefully guarded against. If possible, we put cuttings into 2-inch pots and in a light soil, which will enable them to root well and yet not be rich enough to force a rapid growth. When these pots become full of roots we transfer the plants into 3-inch pots, with soil slightly richer, and the result is fine bushy little plants in excellent condition for planting out in April.

The plants must have a house with plenty of light and sun, to do well, and I am inclined to believe that if it is not possible to give them these conditions, a February cutting will be productive of better results in the end.

I have not used flats for cuttings, as I know many do, for the reason that I think young stock does better when the roots are confined. Growth commences when the roots strike the edges of the pots; and then when a plant shows disease there is very little chance for it to infect the others, as is often the case in flats. There is also considerable injury to the roots when young plants in a flat are divided at planting out time, which is avoided by having them in pots.

Unrooted Cuttings.

I have read with interest one or two articles on the subject of buying cuttings unrooted, and being somewhat interested in the sale of cuttings, have had a chance to see both sides of the case. Perhaps it is well for the buyer to get the cuttings unrooted. I don't care to discuss that side of the question; but there is no doubt that a cutting will ship better rooted than when fresh from the plant. A dealer who sells stock unrooted can assume no responsibility whatever in the sale of them. Perhaps they may not get through on time, and come to the buyer in a wilted condition, and he fails to root them. He, in almost every case, will demand a rebate, and while his claim may have some justice in it he has no right to ask, or expect, that his loss will be made good. The risk with unrooted stock is great for the buyer, and the sale of it is largely unsatisfactory to the seller. I have made it a rule to sell unrooted stock only when the buyer comes after it, and if it is delivered to him fresh from the plants it is his property and the whole responsibility is his, also. I think others who handle stock will agree with me, that this is the only satisfactory way of dealing with the problem, and if they do not agree with all I have said on the matter, they will at least agree that all risks must be taken by the purchaser.

Ivory Soap for Red Spider.

The handling of red spider when, as in rose houses, the plants dry out easily and can be frequently syringed with a strong stream of water is comparatively simple; but with the heavy growth which some varieties of carnations give us, it is a more difficult problem. A heavy syringing is not good for the plants ,and is liable to injure a great many of the more brittle varieties. I have experimented with Ivory soap and have had some very satisfactory results. Soap has been used for red spider in many places and on many different plants. Lodeman, in his "Spraying of Plants," refers to soap as an insecticide. Galloway, in his "Violet Culture," recommends soap for red spider. There was also, in one of the recent issues of a contemporary, an article on soap for red spider on roses. This treatment is not new, but it is, I think, very effective with carnations. I had a batch of cuttings recently which showed signs of red spider; these were given a bath in a very weak solution of Ivory soap and there remains not a sign of the insect; and the cuttings were uninjured by the treatment. In the case of a badly infested bench, soap can be applied with a spray pump, and practically every red spider with which the soap comes in contact will be killed. Soap will also destroy the eggs and practically exterminate the pest. Should the soap, however, be allowed to remain on the plants, it will leave a light film over the pores, and should therefore be washed off. A light syringing will cleanse the plants and leave them uninjured and free from this troublesome pest.

I understand there is an arrangement on the market, which some are using, that contains a cake of soap. This is attached to the hose so that the water comes in contact with the soap and thus, when the plants are syringed, the water contains a very small percentage of soap. I have never used this machine, but on roses it might work well. With carnations, however, I should, I think, prefer the ordinary spray pump. We dissolve the soap in a pail of hot water and use one cake of soap to a 150-foot bench.

W. R. PIERSON.

White Mrs. Thos. W. Lawson.

The illustrations herewith show a vase and single flower of the white variety of carnation, Mrs. Thomas W. Lawson, grown by C. H. Allen, of Floral Park, N. Y. This sport is identical with the type in every respect save color, which is a pure white, and is sure to become popular when introduced. At present Mr. Allen is working up a stock of the plants.

White Seedling Carnation No. 136 A.

Dailledouze & Bros.' (Flatbush, N. Y.) white seedling No. 138 A. is now in its third year. Prosperity is its seed parent, and it has all the good characters of its ancestor. The Brothers consider it the most perfect white carnation they have yet seen. It is a strong grower, a free bloomer, with a good stem and calyx and, in size, it is the largest white variety the firm has grown, the average flowers reaching 3¾ inches in diameter.

White Fly or Plant-House Aleyrode

This pest is sometimes very troublesome in greenhouses, and the Connecticut Experiment Station has rendered an excellent service in publishing a bulletin (No. 140, September, 1902) dealing with the insect and remedies for its eradication. The depredations of the white fly are not limited to plants in the greenhouse, but extend to those in the garden as well. In forcing houses it has been most troublesome on tomato, cucumber and melon plants, and the florist must fight it persistently on ageratum, lantana and heliotrope and Solanaceous plants (those belonging to the potato family) are favorites of the pest.

Professor W. E. Britton, State Entomologist of Connecticut, the author of the bulletin in question, summarizes his experiments as follows:

> The white fly is closely related to the scale-insects, and to the plant lice. It resembles the former in its immature stages, but differs from it in that both sexes are winged when reaching the adult stage.
>
> It injures plants by sucking the sap from the under sides of the leaves. The lower leaves are the first to shrivel and drop. Most of the injury is caused by the nymphs or immature insects.
>
> The nymphs of the white fly have been found upon fifty-eight different kinds of plants in Connecticut.
>
> About five weeks are required for the white fly to pass through its life-stages, all of which are found on the under sides of the leaves. Eggs hatch in eleven days, and the young nymphs crawl for a short time, when they become stationary and secrete wax in long filaments. When the adults emerge, the pupa skins remain attached to the leaves. It is not yet known whether the species can survive the winter unprotected in this climate, but it is carried over on plants in greenhouses and dwellings.
>
> It is thought to be identical with the European species A. vaporariorum of Westwood, but this has not yet been fully determined.
>
> Fumigating with tobacco is not an effective remedy. Hydrocyanic acid gas (using two and one-half ounces of potassium cyanide for each one thousand cubic feet) killed the insects, but injured tomato plants. Dr. Fletcher used one ounce of cyanide and did not injure his plants, but killed all the insects.
>
> Spraying the under surfaces of the leaves with a mixture of whale-oil soap and water (one pound dissolved in eight gallons) proved to be a cheap and effective remedy. If applied frequently, however, the soap should be occasionally washed from the leaves by spraying them with clear water.

Review of the Market

NEW YORK.—The demand for cut flowers continues very light, and as the supplies of most kinds of flowers have shown a decided increase, there is a strong downward tendency in values. Roses have about doubled in quantity over the supply of a week ago. The augmentation began to be felt last Saturday in fact, and since that time roses have moved anyway but satisfactorily, compared with their increased cost of production, while coal is so expensive. Special Bride and Bridesmaid are quoted at 15c each, and it is but for an odd dozen or two that 20c each can be realized. American Beauty are in fair supply, but the quality cannot be said to be up to the average.

Carnations are abundant, so far as the colored varieties go, but of white kinds there does not seem to be any surplus. The latter move fairly well all the time. There is a general inclination toward diminished prices and the averages will be somewhat lower than those obtained last week.

Bulbous flowers are becoming more plentiful, and Roman hyacinths, Paper White narcissus and short-stemmed tulips have gone down in price. A limited number of narcissus and Golden Spur is coming in, for which the asking price is $6.00 per 100. Some Murillo tulips are arriving that are bringing 60c per dozen.

Mignonette is not selling so well as formerly; neither is smilax, but the demand for asparagus and maidenhair fern continues good. Violets are coming in heavily; and lilac also is arriving quite plentifully, for which $1.00 per bunch is asked.

Cattleyas are in ample supply, as are also several varieties of lælias. John Young is receiving some fine blooms of lælia alba, which are meeting a good demand.

BOSTON.—Cold, dull weather during the first three days of this week had a depressing effect on trade. The market is very short on roses of all kinds, especially white ones, likewise on white carnations, and in several instances it has been found impossible to fill orders. There are seldom any roses offered for sale at the wholesale markets these days, as they are picked up on arrival. White ones are especially short, so that prices hold up very well. American Beauty make $8.00 per dozen for fancy specials, with extra grade at $6.00 and No. 1 at $3.00 and $4.00. Seconds realize $1.50 and $2.00, and clean up very well Bridesmaid are in fair supply, but not enough so to meet the demand; and many more Bride might be disposed of at good values. Fancy specials make $3.00 per dozen without difficulty, with extras at $2.00 to $2.50 and No. 1 at $1.50. The smaller grades are held at $6.00, $8.00 and $10.00. Meteor and Liberty, too, are only in fair supply, and are sold up daily, the former at prices ranging from $4.00 up to $16.00, while fancies of the latter variety, in small lots, have reached $4.00 per dozen, though $3.00 is about the average figure for the best of them. Carnations are in good supply; they, too, clean up very well, white kinds being the best sellers and red ones the poorest. Good stock of ordinary sorts clean up easily at $2.50 to $3.00 per 100, while select stock of these kinds reach as high as $4.00 in special cases Inferior stock is sold at $1.50 per 100 in quantities Fancies and novelties reach $5.00 per 100. Lilies are in good supply at $1.50 per dozen, which price rules the sale of the best of both Harrisii and callas, though much of the inferior stock is cleaned up at from $7.00 to $10.00. The supply of jonquils has shortened up somewhat this week, and they sell readily at $3.50 to $4.00 per 100. A few Von Sion, of fair quality, are arriving, but do not move very fast yet, being held at $4.00 to $6.00 Tulips, too, are showing up in limited quantities, but most of them are short-stemmed. They fetch from $2.00 to $4.00, the latter price being for a few which have very good stems for this season Paper White narcissus and Roman hyacinths are not so plentiful and sell more readily at $2.00 to $2.50. Violets though not in large supply, are moving very slowly now, it being impossible to dispose of the daily receipts, which are hardly normal for the season. Prices range from 60c to 75c per 100 for the better grades, with inferior stock at 50c per 100 F. J N

PROVIDENCE, R. I.—Carnations are firm at 2c. to 3c.; roses are in somewhat short supply, at 6c. to 10c. for good stock. Violets are plentiful at 50c. per hundred. The weather has been clear, now followed by extreme cold. Coal is obtainable at $10.00 to $12.00 per ton for anthracite. Business is satisfactory, although spasmodic The straight call for cut flowers is not heavy, almost everything being worked into designs. M.

CHICAGO.—With a gradual falling off in the receipts from day to day the market for the past week has been stiffer, especially so in the case of roses, which are coming in in limited supply. American Beauty are not very abundant, with prices ranging at from $5.00 to $6.00 per dozen for extra fancy stock, while medium and shorts bring from 75c to $3.00 per dozen. Bride and Bridesmaid roses are selling at from $6.00 to $12.00 per 100; a few extra fancy may bring a still higher figure Golden Gate realize from $4.00 to $12.00 per 100; Meteor, $4.00 to $8.00 per 100, Perle des Jardins, same figures; Liberty, $4.00 to $25.00 per 100; Sunrise and Mme. Abel Chatenay, from $6.00 to $12.00 per 100. Carnations are in fair supply, but for these there was not such a good demand the forepart of this week as last. Prices are about the same as at last report; ordinary will run from $1.50 to $2.50 per 100, while the better grades realize from $2.50 to $4.00 per 100. White are the best sellers on the market at present. Prosperity is bringing from $6.00 to $8.00 per 100. Bulbous stock is in good supply, and the demand for all kinds of it is better, though prices are a shade lower. Roman hyacinths and Paper White narcissus are quoted at from $2.00 to $4.00 per 100; callas and Harrisii lilies at from $1.50 to $2.00 per dozen; lily of the valley, $2.50 to $5.00 per 100. The supply of tulips is on the increase, and some fairly good red, white, and yellow flowers are seen. They sell at from $3.00 to $4.00 per 100. White lilac realizes from $1.00 to $2.00 per dozen sprays. Mignonette is selling at from $4.00 to $8.00 per 100. Violets are rather erratic; one day there is a large supply, and the next day a scarcity. The wholesalers find it rather hard work to maintain an established price. Violets are quoted at from 75c to $1.50 per 100 at present. Maidenhair brings from 75c to $1.50 per 100; asparagus, 35c to 50c per string; A. Sprengeri, $2.00 to $4.00 per 100; common ferns, 20c per 100; galax, 15c per 100. Smilax is in better demand and is selling at from $10.00 to $12.50 per 100. Sweet peas go at $1.50 per 100. R. J.

PITTSBURG.—A fair business is the past week's record, with stock plentiful, excepting roses of all kinds. It seems that most of the growers' plants are off crop at present, as goood Bride, Bridesmaid and particularly American Beauty are hard to get at any price. Roses are higher in price than for some years at this season. Carnations are doing well around home, but with some of the growers it might be better, as they are not cutting what they should. Some blame the cloudy weather, and they may be right, for we have had but little sunshine this year. A good lot of Harrisii lilies is being cut now, and quite a few shipped from outside places. The flowers are of good size. Most of our growers are complaining about bad bulbs; with some these are worse than ever. Paper White narcissus are very plentiful and lily of the valley fairly so. Good tulips are scarce; all that have come in up to date are short-stemmed.

At a reception given to Attorney-General Knox by Henry Frick at his home in Pittsburg the past week, flowers of the choicest were in evidence everywhere throughout the house. Mr. Fraser, the gardener, who has charge of the conservatories of Mr. Frick, used the finest plants for decorating, and displayed great taste in their arrangement. Mr. Fraser also had charge of the cutflower arrangements. The stock was furnished by E. C. Ludwig, the Allegheny market florist
E. C. R.

INDIANAPOLIS.—January business, so far, equals that of 1902. There are few dinner or other decorations, but funeral work has kept the storemen busy. Good stock of all kinds is scarce, especially roses, which sell as follows: Bride and Bridesmaid, $1.50 to $3.00 per dozen; Perle des Jardins, $1.50 per dozen; Ivory, $2.00 to $3.00; American Beauty, $3.00 to $12.00 per dozen. The price of Liberty is so high that it is almost impossible to handle this rose at a profit; $3.00 per dozen is the wholesale figure for them; mostly $4.00 and sometimes $5.00 is their retail price. Meteor are good and sell at $2.00 to $3.00 per dozen.

Carnations are scarce and high; $2.00 to $3.00 per 100 is the price of medium grades; fancies command $4.00 to $5.00 per 100. The retail demand for them is almost double that for roses. Most carnations are sold at 75c to $1.00 per dozen.

Bulbous stock is becoming more plentiful; lily of the valley is coming in in goodly quantity. Roman hyacinths sell at 60c per dozen; daffodils, 75c; tulips, 60c and freesia at 40c. Some fine Dutch hyacinths bring $3.00 per dozen. It is impossible to use all the home-grown violets at $1.00 per 100; bunches of twenty-five bring 35c to 50c. A few sweet peas are to be had at 25c per dozen. I. B.

ST. PAUL.—Trade has shown but little improvement since the holidays, owing in part to the cold weather, and partly to general dullness in all lines following the holidays. Carnations are plentiful, but not of the best quality. The dark weather has had the effect of making them soft, weak-stemmed, etc. Roses are scarce, and average poor, with weak, deformed necks. A few days of sunshine would put them in good shape again. Violets are of good quality, but show lack of sun in diminished numbers. Lily of the valley, Roman hyacinths, Paper White narcissus, lilies and tulips are coming in in limited quantities.

This Winter has been without a precedent in the number of dark and cloudy days, and all stock has suffered. None of the growers has cut more than half the usual number of blooms. With coal from 50 to 75 per cent. higher priced than last year, the outlook is anything but encouraging, and the loss account will outweigh the gains at many establishments.

Funeral work, the mainstay of business in dull periods, has been exceptionally light of late. Shipping trade has been fairly good. Several receptions have been booked for the near future which will tend to enliven business a little.
VERITAS.

THE LATE MRS. KRICK.

See Obituary, page 86.

CINCINNATI.—We have had a few days of bright weather, but not enough to cause much change in the cuts now coming in. Roses are still scarce; especially is this true of Bride and Bridesmaid. American Beauty seems to hold up well, and, of course, the price holds up well, also, the best selling out clean at $6.00 per dozen. Bride and Bridesmaid bring, 4c, 6c, 8c and 10c; Meteor, same figures; Liberty, 4c, 6c, 8c, 10c and 15c; carnations, $1.50, $2.00, $3.00 and $4.00 per 100; lily of the valley, $4.00; Roman hyacinths and narcissus, $3.00 per 100; Harrisii lilies, $2.50 per dozen; callas, $1.50 per dozen. Violets are still scarce; best single fetch $2.00 per 100. All in all, business is good, with not enough good stock to fill orders. E. G. G.

WORCESTER, MASS.—Trade is about the same as it was a year ago, cut flowers forming the majority of the sales. Considerable feeling is growing against the Adams Express Company on account of the increase of fifty per cent. in rates for cut flowers carried over their lines. The rates are so high now that it is cheaper to pay carefare than expressage. For a small box to North Grafton, six miles distant, the company charges 40c, while the carfare is 10c. There seems but little remedy, as the Adams Express Company controls the lines between here and Boston and New York. There should be some law to regulate charges, the same as there is in the case of railroad fares.
J.

Philadelphia.

Pennsylvania Horticultural Society.

The meeting on Tuesday last was well attended. George Morrison, gardener to Curwen Stoddart, Jr., Esq., read a very interesting paper on the Hawaiian Islands. The paper was perhaps too long, going too much into history, but the latter part of it on the flora, horticulture and agriculture was very instructive.

The exhibits at this meeting were very good. Joseph Hurley, gardener to Jas. W. Paul, Jr., Esq., showed three splendid cyclamen plants and received a certificate. Francis Canning, gardener to Samuel T. Bodine, Esq., staged three very fine plants of Primula stellata, for which he received a certificate. First prize for Primula sinensis went to George Morrison, who staged some well-grown specimens. For hot house tomatoes and cucumbers, Joseph Hurley was first; and for mushrooms, John McCleary, gardener to Wm. Weightman, Esq., took first honors.

The schedule committee reported a list of prizes for dahlias for September.

General News.

John Burton will build six houses this season; two, 27x150 feet, two 22x130 feet; these four to replace some old ones which will be torn down; also two new houses, 27x130 feet. Lord & Burnham will supply woodwork, iron gutters, etc.

The Lord & Burnham Company have erected a section of greenhouse on their space at the Flower Market, 1228 Cherry street, to show construction gutters, ventilators, benches, etc. D. T. Connor, who represents this firm in this city, makes his headquarters now at the market, where he will be glad to meet anyone by appointment.
DAVID RUST.

New London, Conn.

The Gardeners and Florists' Club of New London County was formed on January 6 with a membership of 15, and good prospects of a further increase. Meetings are to be held the first and third Tuesday of each month at the greenhouses of one of the members. The officers of the club are: John Maloney, president; Wm. H. Corkey, vice-president; H. H. Appeldorn, secretary; John Silva, treasurer.

BINGHAMTON, N. Y.—Graham & Co., are doing a very brisk trade. Mr. Graham has been sick, but is out and hustling again. A. Osier, formerly with Fancher, is doing a very brisk trade for a beginner. S. G. Ellis has had quite a severe blow this Winter, his heating apparatus and boiler having given out shortly before the holidays. He just barely escaped having all his plants frozen up. A. E. Fancher says business is quite good, although coal is at $8 a ton. H. J. Hopkins is doing very well with the place he built last Summer. James B. Tully is said to be laid up with a broken thigh. G.

Annual Bowling Event at Flatbush.

On Thursday evening, January 15, the annual bowling for prizes by the members and friends of the Flatbush Florists' Bowling Club took place in the alleys on Flatbush avenue. Thirteen bowlers were present, and the prizes each one brought were so disguised that no clue to the contents of the parcel could be gained from its outside appearance. The first game played was the contesting one, the highest scorer taking first choice of the premiums, the second highest scorer taking second choice and so on down to the lowest one. All the prizes were valuable, and the poorest players stood just as good a chance as the experts. The following is a list of the prizes in the order in which they were won, together with the scores made: W. H. Siebrecht, 177 a box of coal and a fine silk neck scarf. D. Y. Mellis, 167, a superbly illustrated book on the Spanish War. J. I. Raynor, 165, a fine Saynor knife and chamois skin case. J. Thielman, 163, a leather cigar case. Louis Schmutz, 153, an illustrated book on the late war. P. Riley, 146, a handsome bisque vase. E. Dailledouze, 144, a bottle of Old Valley extract of corn. H. Dailledouze, 137, a box of cigars. A. Zeller, a two years' supply of Royal Ash tobacco. R. J. Irwin, 126, an automobile smoking set. S. S. Butterfield, 130, a box of cigars. J. A. Shaw, 120, a box of cigars. R. Clark, 110, a box of cigars. After the excitement of opening the packages had subsided, another game was played, the scores made being as under:

J. Thielman	129
W. H. Siebrecht	193
A. Zeller	114
J. Irwin	114
J. I. Raynor	104
S. S. Butterfield	95
R. Clark	112
P. Riley	175
E. Dailledouze	182
L. Schmutz	118
H. Dailledouze	124
J. A. Shaw	147

A Device for Stringing Smilax, etc.

Leo Wellenreiter, florist, Danvers, Ill., has invented a simple device for the tying of smilax and asparagus strings. The instrument will save time and labor, and a patent has been applied for.

Canadian News

Ottawa.

A Cold Snap.

We are in the midst of a genuine old-time cold snap. Last night the thermometer went down to 30 below zero, with quite a sharp wind. It kept two men quite lively putting wood into the fires. We had no stock of coal laid in, so have had to use cord wood the whole Winter. On this especial night six cords at $5 a cord were disposed of; tougher on the proprietor than on the boilers. By having to use wood, at the high price, our firing has cost us 50 per cent. more than last year.

A Society Meeting.

The Ottawa Horticultural society helds its annual meeting last Wednesday and elected Mr. P. G. Keyes president; Mr. Stewart, first vice-president; Alderman Ellis, second vice president; Mr. J. Watson, secretary and treasurer. Mr. R. B. White, retiring president, reported the society in a most flourishing condition, with a steady increase in membership, and financially. The society also decided to have a bulb meeting in March at which bulbs will be given to the school-children to grow for the show which will be held in March, 1904. A very good idea.

Visitors.

Mr. Wood, of Hageman & Co.; Mr. Schwake, representing C. Meyer, and Mr. Cornelis of Aug. Rholert, New York.

Montreal.

The Club Dinner.

This event took place in the club room on Monday night, January 19. Considering the extremely cold weather, it was very well attended. It seems a pity that some hall with proper appointments cannot be secured for the affair. The club room answers, but it cannot be denied that the elegant appointments seen in some dining halls are a great aid to sociability. President Trussell presided and about 40 members were present. It must have been very gratifying to the officers to see so many of the newer members present. The menu was a good one and was thoroughly enjoyed. The usual toast list commencing with the "King" and concluding with "The Ladies," was duly honored, and the evening was rendered pleasant by capital songs by Messrs. McAllister, Walsh, Jr.; Bollen and Walker. Professor Birks presided at the piano.

Lachine Horticultural Society.

Dr. W. H. Coard, of the Department of Agriculture, Ottawa, will deliver a free lecture under the auspices of the above society in the Town Hall on January 23. The subject will be "Soils and Fertilizers for Small Areas." To each person in the audience will be presented a plan drawn to scale and divisible by five, to serve as a guide in following out the methods recommended by the lecturer. To this will be appended lists of fruits, vegetables, etc., for such areas, and other matters of importance pertinent to the subject. B.

Hamilton, Ont.

Happenings of the Week.

George Sones is considerably improved in health, being able to be around a little these days. He has still a few chrysanthemums in flower, and they are in very good shape.

W. Holt is building a new dwelling house.

A good many of the florists are now burning soft coal. This means a good deal of extra attention to firing, but it is the only thing obtainable here now.

Horticultural Society.

The annual meeting of the Horticultural Society was held on January 15 in the Public Library building. President A. Alexander occupied the chair. The election of officers resulted as follows: J. O. McCullough, president; James Anderson, first vice-president; John Cape, second vice-president. The Board of Directors consists of the following gentlemen: Andrew Alexander, F. H. Lamb, Dr. Storms, J. Kneeshaw, Adam Brown, J. M. Dixon, J. Webber, J. M. Hull, and F. B. Greening. J. M. Dixon is again secretary-treasurer. The annual report showed that the society had been unusually active, and had accomplished a great deal for horticulture in the city. Although the year's expenses had been heavy, there was a balance on hand of over $200.

Mr. McCullough, the new president, is a young man and an energetic worker in the interests of the society, so that another good year's work is expected.

Club Meeting.

The regular meeting of the Gardeners and Florists' Club was held Tuesday evening, January 20. The meeting took up the following live topics: What should 4-inch geraniums be sold for? Should this club make a fixed scale of prices for plants, bouquets, etc? What is a fair discount for one florist to give another when buying plants to sell again? To the first question the general answer seemed to be that geraniums in 4-inch pots should bring 10c each, or $1.00 per dozen; the ruling price last year was 90c per dozen. On the second question the opinion seemed to be that a fixed scale was impossible. A man should have the privilege of clearing out stock that is likely to be left over, and at a lower price if necessary. Some of the members expressed the opinion that if the florist would take a little more trouble to arrive at the cost of the plants, he would ask a fair price at all times. A fair trade discount was fixed at 20 per cent. This is a step in the right direction, for I could name instances where growers, in selling to a brother florist, have charged even higher than the price that the same goods were retailed for. How does the above-named discount compare with what is given in other places? It would be interesting to see an expression of opinion on this matter from other Canadian centers. The topics are certainly of live interest and are, if I am not mistaken, right within the province of florists' club work. If some of these long-standing and disputed points could be settled in an amicable way, there is not the least doubt but that the whole trade in the vicinity will benefit. Let us all give the club and President Turner our support, and keep the good work going.

A note from the family of the late Mrs. Townsend was read thanking the club for its floral tribute.

After all the business was finished the boys had a pleasant time at cards and checkers. BEAVER.

The late **JOHN S. MURRAY**
Montreal's Pioneer Florist
See Obituary Page 86

THE MARKET

LONDON, ONT.—With the severe cold weather we have been experiencing, some of our local men have had considerable difficulty in securing enough fuel to keep out Jack Frost, and those who did not make contracts will have but little profit out of their season's business after paying their coal bills. Slack is selling at from $4.00 to $5.00, mine run, $6.00 to $8.00, and select lump at $10.00; hard coal at $12.00 to $15.00 per ton.

Trade has been good, with the supply of stock nearly equal to the demand, excepting white, of which there is a decided shortage, owing to the constant demand for funeral work. Prices remain firm. Roses are selling at from $1.50 to $2.00 for teas, and $3.00 to $6.00 for a dozen American Beauty. Carnations bring 60c to $1.00; violets, 25c. Very few bulbous flowers have been offered yet. Since the very cold weather set in there has been but little demand for plants.

It is reported that a number of florists in surrounding towns have had to close up their houses owing to the scarcity of fuel.

Gammage & Sons contemplate alterations and additions on a larger scale than usual the coming season. G.

MONTREAL.—Business continues very quiet, and flowers are far from abundant. The wholesale prices have gone back to Christmas figures, a jump owing no doubt to the extreme scarcity and high cost of fuel. The weather is still very cold, indeed, often far below zero. On the 18th readings varied from 24 to 30 degrees below. One of the peculiarities of the Christmas trade was that, although there was a great scarcity of plants, a couple of growers disposed of their stocks of primulas, solanums, etc. Good plants in 5 inch pots delivered at the stores at $1.00 per dozen. The same parties are now selling first class Paper White narcissus at $1.25 per 100, the first cost of the bulbs being $9.00 per 1,000, to which cost of transportation and duty have to be added. Their price for first Roman hyacinths is 75c per 100. Speaking of Roman hyacinths there is great dissatisfaction with the bulbs this year. They appear to be affeted with a disease similar to that found on the Bermuda lilies, and none of the bulbs is throwing more than one good spike. Rumors are also afloat that the Dutch bulbs are away below the average in quality, but it is a little too early to judge yet. B.

HAMILTON.—A good deal of cloudy weather is coming our way, and flowers are not at all plentiful. There is not much doing in any line just now, but the prospects for Spring business are good. A question which should give the local growers some concern is the matter of prices. For three or four years prices of every commodity have been gradually advancing, while the low selling values with which this city seems burdened have not been raised. There seems to be some apprehension that as plants and flowers are luxuries they would be purchased in much smaller quantities, if prices were advanced. There is surely something wrong if the price of a luxury cannot be advanced so as to leave a fair margin of profit. This appears to be possible in other lines of business. However, in view of the high price of fuel this Winter there will be some serious trouble if better values are not obtained the coming Spring. To an outsider it must appear that the average florist endeavors to be a philanthropist more than a business man.

January 22 will as usual be celebrated as "Violet Day," in commemoration of the death of Queen Victoria.

BEAVER.

TORONTO.—Business has improved very much and stock is now limited and high. Roses are scarce, and all stock is cleaned up quickly. There is a good demand for violets and all, except the very poorest, are soon picked up. Carnations are good and fairly plentiful. Roman hyacinths and Paper White narcissus are still in oversupply, being seldom wanted except for funeral work. All our retailers appear to be doing well, but a good many of the growers will be pleased if they come through the Winter all right without any profit, as the coal question is still a serious one to them. Hard coal is hardly obtainable and when it can be secured it is offered at from $10.00 to $15.00 a ton. That is like burning gold. The weather has been very cold for several days. On Sunday night it was 8 below zero, and there was a nasty wind blowing from the west. This kept several of the craft out of their beds for that night and one often hears the remark from some of the smaller growers: "I wish I had shut down in the Fall and saved all this trouble." But I suspect that most of them will pull through all right. I sincerely hope so. T. M.

OTTAWA, ONT.—Business has been fairly good, especially in funeral work. Flowers are scarce, roses especially so. Carnations are good, but the supply is not equal to the demand. Freesia is very good [illegible]. Some [illegible] a crop of heath, [illegible] very useful during the scarcity of cut flowers. Prices have kept up well. Carnations bring 50c to 75c, and roses $1.50 to $2.50. E.

FREDERICTON, N. B.—Since January 1 [illegible] the darkest three weeks we have ever experienced and to intensify matters the night of January 18 was the coldest to keep out the frost occurring in 27 years. The thermometer went to 2[illegible] to 30 below zero, with a strong wind blowing all night. I have found [illegible] with tobacco stems help wonderfully in keeping out the frost when the temperature falls in spite of one's efforts. J.B.

Cut Flower Prices.

TORONTO, ONT.—American Beauty roses, fancy special, $50.00; extra, $30.00 to $40.00; No. 1, $25.00 to $30.00; culls and ordinary, $8.00 to $15.00; Bride and Bridesmaid, No. 1, $10.00 to $15.00, No. 2, $4.00 to $8.00, Mme. Cusin, $3.00 to $15.00; Liberty, $3.00 to $15.00, Meteor, $3.00 to $15.00, Mrs. Pierpont Morgan, $3.00 to $15.00, Perle des Jardins, $2.00 to $12.00; cattleyas, $75.00; cypripedium, $15.00. Carnations, inferior grades, all colors, $1.00 to $1.50, standard varieties, $2.00 to $5.00; fancies, $4.00 to $6.00, adiantum, $1.00, asparagus, $20.00 to $75.00, callas, $6.00 to $10.00, freesia, $2.50 to $3.00; galax leaves, 15c to 20c; hyacinths, $2.00 to $3.00, Harrisii lilies, $12.00 to $15.00; lily of the valley, $1.50 to $4.00; mignonette, $1.00 to $4.00; narcissus $1.50 to $3.00, smilax $15.00 to $25.00; tulips, $2.00 to $4.00, violets, 50c to $2.50. T. M.

HAMILTON, ONT.—Bride and Bridesmaid are bringing $8.00 to $10.00; Liberty, $12.00, Perle des Jardins, $8.00 to $10.00, carnations, inferior grades, all colors, $1.50 to $2.00; standard varieties, $2.00 to $4.00; callas, $8.00 to $12.00. Smilax realizes $15.00 to $20.00, violets, $1.50.

Funeral work is much below the average, but there is no overplus of flowers. The weather is rather dull and cold. Harrisii lilies promise to be in on good time; in their health there seems to be a great improvement this year, and that improvement did not materialize before it was needed. BEAVER.

LONDON, ONT.—Prices remain the same as last week. Roses are in short supply, also carnations, excepting white, which are scarce. There has been a large call for flowers for funeral purposes. G.

GOOD SMILAX

Fine thick strings, 6 ft., grown cool, light and airy. 18c. per string. Try it.

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FREDERICTON, NEW BRUNSWICK.

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ORDER EARLY

Geraniums, florists' kind, named, $3.00 per 100.
Asparagus Plumosus, fine, good color, 2½ in., $6.00 per 100.
Holly Fern, fine, 2¼ in., $4.00 per 100.
Rose, C. Soupert, 3 in., for Easter forcing, $6.00 per 100.
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Plantsmen.

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We are the HEADQUARTERS in
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Murphy's White The Marquis
Glacier
AND TWENTY FIVE OTHER VARIETIES

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Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Chrysanthemums for Exhibition

Read before the Montreal Gardeners and Florists' Club, January 5, 1903, by George A. Robinson

The subject assigned to me this evening is too broad to be covered in one paper, and as the club has decided to hold a show next Fall I will confine myself to remarks on growing specimen plants and cut blooms. If this paper is the means of instilling a larger degree of enthusiasm into the members, and thereby, we get a larger number of exhibitors, I shall feel amply repaid.

Successful growers of specimen chrysanthemum plants commence at exhibition time to prepare for the next year, by noting varieties, with their distinctive qualities, such as color, stocky growth and size of bloom. Having decided on what varieties to grow, "eternal vigilance" must be the watchword until the prize cards are hanging on your plants.

Cuttings from the base of the stock, rooted in the early part of February, make the best specimen plants.

A common fault is to leave the cuttings in the sand until they make a spindly growth and wiry roots. Nothing more effectually impairs the future constitution of the plant. Just as soon as the cutting stands up stiff it will be found that roots one-half inch in length are formed. This is the time to pot them and you will have a clean, thrifty plant, that will go right into the new soil and render a good account of itself.

The first potting should be into two-inch pots, using a light soil, placing the young plants in a cool, airy house. Give the plants a two-inch shift as they require it, using a heavier soil at each potting. At the final potting, in June, use good, well-rotted fibrous loam, with a sprinkling of bone meal, and burned refuse or lime rubbish, to keep the soil open. Use very little manure, as too much humus has a tendency to sour the soil before the roots can make much headway, while the properties of value are exhausted before they can be used. Pot moderately firm, and water sparingly, until the plants get well rooted.

Pinching must be attended to regularly, commencing when the plants are in small pots and four inches high, continuing without intermission until about the end of July. This work must be done systematically, never allowing one shoot to gain strength at the expense of the weaker ones.

After the pinching is stopped the training must be attended to. Don't allow the shoots to get all bunched together, as this means diseased foliage. Give the plants plenty of room; turn them around occasionally to keep them in good shape. Syringe twice a day in bright weather.

A light fumigating, a dusting with tobacco dust, or a syringing with some of the many tobacco extracts will obviate the injury often caused by the ravages of insects.

As soon as the plants are well rooted in the flowering pots, feeding should commence. The larger and stronger the plant the more food it will require. It is far better to underfeed than to over-feed, until the buds are set, as over-feeding at this stage will result in a tall and weak growth. After the buds are set, feeding must commence in real earnest and must be persevered in. It is just about this time that the close observer realizes what a gross feeder the chrysanthemum is. This part of the treatment is not the most pleasant thing in the world, but on it depends the final success. Animal manure should be the basis of all fertilizers. Decoctions made from horse, sheep or cow manure are the safest to use. Hen manure and night soil are both excellent fertilizers, but must be used with discretion. Nitrate of soda and sulphate of ammonia in the proportion of one quarter ounce to one gallon of water is beneficial. A complete change of food each week is much better than mixing several fertilizers together all the time. It is impossible to give the exact proportions of each of these fertilizers. This, and the time to elapse between each feeding, must be left to the discretion of the grower.

An occasional dose of lime water will keep the soil sweet and aid materially in hardening up the shoots. All feeding must cease as soon as the flowers begin to show color.

Disbudding must be attended to as soon as the buds are large enough to handle. This work should be done as much as possible early in the morning, while the buds are brittle.

In disbudding, commence at the top of the shoot, and if the top bud get broken out, one a little lower down will be left to replace it.

Just as soon as the blooms begin to show color the final staking must be done; and at this time the plants will have reached a stage where it is possible to put each bloom in its proper position to make a symmetrical plant.

S. J. MITCHELL, HOUSTON, TEX.

Judge and Grower of Chrysanthemums.

For exhibition blooms, cuttings rooted the early part of March and flowered in seven or eight-inch pots, with one, two or three blooms to the plant, are in every way superior to later cuttings flowered in six-inch pots. The blooms in the former may not be any larger, but they will have a better finish.

The cultural directions given for specimen plants will apply equally for specimen blooms.

A problem in which experts greatly differ is "taking the bud." My opinion is that the early crown buds, with but very few exceptions, should not be taken. August 15 is early enough to take the bud of most varieties, and many will make exhibition flowers if the buds are taken later.

Most of the failures from crown buds are caused by keeping them too cool. A temperature of 50 degrees at night with a rise during the day should be maintained.

With a terminal bud, the plants must be kept cool to allow the latest formed wood to ripen. Neglect of this important matter is the cause of most of the trouble with weak-necked flowers.

Some delicate manipulation is required just before the exhibition to have each variety in perfection at the proper time. The best way to retard early blooms is to put the plants into a cool, dry and darkened room, or cellar. They keep much better in this way than if cut and treated similarly. To force a late bloom is a very difficult matter and is often attended with very indifferent success.

There has been a lot of discussion lately upon the varieties known as weak-stemmed for exhibition purposes. I cannot see any objection in supporting a weak-stemmed flower for exhibition purposes. Many of the largest and most graceful reflexed flowers are too heavy to stand erect and these varieties are the very ones that prove the most attractive at the exhibitions. The elimination of these varieties from flower shows is having its effect on the American raiser, and while varieties such as the white and yellow Major Bonnaffon, Pennsylvania, Ivory, etc., are disseminated in large numbers, the more showy sorts are neglected; consequently, we have to rely on European and Australian raisers for these.

"Variety is the spice of life," and especially the life of a chrysanthemum exhibition, so let us collect all the large, showy and odd, as well as the commercial varieties, and have a show to please the public, rather than to suit ourselves.

S. J. Mitchell.

The accompanying portrait is a very faithful likeness of S. J. Mitchell, of Houston, Tex., doubtless the best authority, grower and judge of chrysanthemums in the Gulf States. It is all the more in his favor to say, that for a period of more than ten years he has never adopted this pleasant pastime as a means of financial gain, and has repeatedly refused the most flattering offers to sell his plants or flowers. He began this work at a time when prize-winning chrysanthemums were almost wholly unknown to the South; and, when he had succeeded in producing some very enviable specimens, he suggested a flower show at Houston, so that the entire community might observe what the best methods of cultivation could do for this flower, as an advancement over the button-like blooms left to flower on the plant at will. This was the first chrysanthemum show ever held in Texas, and perhaps the first in any of the Gulf States. A few years later, through valuable encouragement and assistance by Mr. Mitchell, flower-lovers at Waco held their first show, and since then exhibitions have been held regularly each year at Alvin, Marshall, Ennis, Galveston, Navasota and Paris—all Texas cities and towns; and success to a greater or less extent has met every effort.

After Mr. Mitchell had reached the first rank as a grower and winner of premiums, including a very handsome gold medal, he turned his attention to the judging of chrysanthemums as a science, and during a trip to England in 1897 visited and had access to the library of C. Harman Payne, secretary of the National Chrysanthemum Society of England; and in discussions with him, also with H. J. Jones, H. Cannell and other famous growers, many valuable points on the subject were obtained. On returning to this country, Mr. Mitchell was elected sole judge of the Waco show, and up to this time has been the judge of flower shows in Texas on nineteen occasions, sometimes officiating at two or three places the same season. During a meeting of the Chrysanthemum Society of America, held at Detroit, Mr. Mitchell proposed to that body a new scale of points for judging, as a revision of the former scale. This was adopted, and is the present scale now in use by this body.

This gentleman has contributed much on floriculture to various periodicals. As a judge he has clear perceptive faculties, based on the study in hand, and his services in this capacity are much sought. M.

The Peony.

Paper read by John H. Cox, of the George A. Weaver Co., Newport, R. I., before the Newport Horticultural Society, January 21, 1903.

Pæonia is an old Greek name. The plant is said to be named after a celebrated physician called Peon in the days of Theophrastus, who, it is stated, employed the plant in his medicinal practice. In the Materia Medica its medicinal properties are described as follows: "Strong, peculiar, disagreeable odor and nauseous taste, at first bitter and then sweet; was used by the ancients as a cure for epilepsy, and it is used by the faculty of the present day as an anti-spasmodic. An eminent scientist, by name Dragendorf, in analyzing the seed found a fixed oil, an alkaloid, and peonic acid. The latter is said to be very poisonous."

The peony belongs to the vast family, or natural order of Ranunculacæ, among which are found many plants of medicinal value. The peony, by some called piony, is a hardy perennal plant, a native of Europe, northern and temperate parts of Asia, North Western America, China and Japan; so you see it is an accommodating plant to nearly all tolerably cold climates. The situation should be remembered at the time of planting, for the cooler it is the better will be the quality of the flowers, and the longer will be the season of blooming. It is only within the last twenty or thirty years that this now becoming popular flower has been considered of much intrinsic value excepting as an early summer flowering subject for the herbaceous border.

Now, to say a few words on the varieties first brought into cultivation, and from which come the beautiful strains which are interesting us at the present. First, we have Pæonia albiflora and Pæonia officinalis; both were introduced about the year 1548, the first named from Siberia, the latter from Southern Europe. In 1789 we had Pæonia Moutan from China and Japan, which is now very popular, being commonly called the tree peony. Pæonia tenuifolia was introduced to cultivation in 1765, and is found from Transylvania to the Crimea.

In these old, though important varieties we obtained the blood that has produced the elegant forms and exquisite colors in the flowers that are before us at the present day. For instance, P. albiflora, with its northern nativity, has given the stronger and hardier constitution, and it is these varieties, hybridized with the latest flowering sorts of Pæonia officinalis, together with the Chinese and Japanese varieties, that may give us a continuation of large, handsome flowers the whole of the Summer. The types of Pæonia officinalis give us the early flowers which come usually in May and June; and the types of P. albiflora from June into July.

It is a remarkable fact that there is a number of the herbaceous varieties that are synonymous. I will give you a few instances: Pæonia edulis is synonymous with P. albiflora. It is historically recorded that the Mongolian Tartars ate the roots of this variety and otherwise used it as a charm, believing it prevented epidemic diseases, epilepsy, etc. Pæonia Fischeri is synonymous with P. anomola; P. California is synonymous with P. Brownii, P. cretica with P. arietina. The latter variety is by some known as "The Ram's Head peony" from the formation of the seed pods, which are curved like a ram's horn. There are a great many more synonyms, but time and space demand that I must leave them for the present.

Pæonia tenuifolia is a distinct type of the herbaceous class; its light, graceful, slender, laciniated foliage, and its deep crimson flowers make it a very charming variety; and it ought to be a good parent for hybridizing with some of the late flowering sorts, as its season of blooming is usually from the middle of June. Pæonia tenuifolia flore pleno is very similar, almost a facsimile in foliage to the type, but bears beautiful double crimson flowers; it is a very valuable sort. There are also two more varieties of this beautiful thread-like foliage type: Pæonia hybrida and Pæonia laciniata, but they have somewhat broader leaf segments, with single and semi-double flowers.

Pæonia Moutan is a beautiful species of a habit very distinct from that of the herbaceous class, it being of a shrubby nature, that fact giving it the cognomen of the tree peony. This class provides a grand adornment to lawns and all flower gardens, when judiciously planted.

There is also another type which has come into prominence—the anemone-flowered class. This is the result of the ever-enterprising hybridizer's labors, which have been rewarded with marvelous productions of flowers of extraordinary size, fragrance and delicateness of color. It has been procured from the P. albiflora types and those of P. officinalis.

The peony is a highly decorative plant, and no garden is complete without a collection, for it can be had in nearly all the colors of the rainbow; and in some the colors are so prismatic that they cast different shades as you move along and gaze upon them.

The new types of single varieties are creating marked attraction and admiration on account of their monstrous flowers of from twelve to fifteen inches in diameter, exquisite colorings and massive centre of golden yellow anthers, rendering them remarkably striking at a long distance.

I will now give you a few remarks on the cultivation. First, I will take Pæonia Moutan, or tree peony. This may be raised from cuttings, by layering, or by grafting, the latter in preference, for even the amateur will gain more success by grafting. August is the best month for propagation. Be careful to select well ripened wood, or scions without any flower bud. Previous to cutting the scions for grafting, it would be policy to prepare the necessary stocks for working upon. The stocks I recommend are the old varieties, P. albiflora and officinalis, preferably the former. Dig around the old stools or clumps, and select suitable tubers for the operation. After grafting the tubers should be potted into a good compost, and the sets plunged in a frame covering the graft lightly about one-third the length. Shading is necessary, and care in giving air to prevent damping. Some propagators like a little bottom heat to increase the union, but the writer's experience has been more successful without it. After the union is completed, it is preferable to keep the young stock in a cold frame throughout the Winter, with a light protection of dry leaves, the whole covered with sash, or shutters, to keep the rains and snows from the plants, removing the coverings on bright, sunny days to give air, and to prevent any accumulation of moisture. In the Springtime the young plants should be set out in well prepared beds of good rich soil for a year or two, after which they will be ready for the decorative department for which they are desired.

The peony is a gross feeder, consequently the ground may be dug deeply and a goodly portion of well rotted manure dug in. The varieties of P. Moutan are very liable to be damaged in the flower buds by the early Spring frosts, and a protection of some fir branches is recommended until that danger is over. In the Fall of the year it is advisable to give the plants a good mulching over the surface, as a protection to the roots.

The herbaceous peonies are increased by division of the roots making it rather a slow process to gain a massive show of blooms, for the flowering stools dislike continual division and moving. In preparing the bed, or border, for herbaceous peonies, it is well to have the ground liberally manured with well decomposed or rotten manure, and thoroughly trenched. There is no herbaceous plant I know that dislikes constant removals more than the peony, hence it is advisable to plant where it can remain undisturbed.

Some of the herbaceous peonies make excellent plants for Spring forcing and flower very freely, but they have not become popular in this line, on account of the large stock needed to give a yearly succession for forcing, as one can only use the stock once in three years successfully. Consequently, the clumps forced this year should be planted out and allowed to remain undisturbed for two years, and any flowers showing should be picked off.

This popular plant is becoming more sought after every year as a florist's flower, and the supply does not equal the demand. The blooms may be shipped long distances very successfully if cut right and carefully packed. Last Spring I saw flowers that had been cut and shipped 500 miles turn out perfect, and they fetched $8 to $12 per 100 in the wholesale market, according to grade and color.

I will now give the names of a few varieties which have been recommended within the last few years. The names of the newer sorts I hope to be able to place before you in the near future.

Varieties of Pæonia Moutan, flowering in May.—Beauty of Canton, Blanche Noisette, candida, carnea plena, maxima plena, versicolor plena, Emperor of China, Osiris, Reine de Fleurs, Snowball, Mandarin and alba lilacina.

Varieties of herbaceous peonies, flowering from June to July—Madame Callott, white tinged with rose, and rose scented; Madame Schmidt, purple crimson, showy golden anthers, very fragrant; pulcherrima, guard petals blush, centre white, rose fragrance; purpurea, superba, rich glowing purple, very fragrant; incomparabilis, rose, shaded purple, very fragrant; papaveræflora, white, centre primrose, exquisite fragrance; festiva maxima, pure white, very fragrant; Ambroise Verschaffelt, rich purple, fragrant; Buckii, intense crimson purple, rose-scented; carnea elegans, delicate pink, shading to white, fragrance of the violet; Decaisne, deep rose, delightful fragrance; and The Queen, blush rose, large flowers, rose-scented.

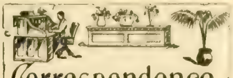
A Recording Thermometer.

The Helios-Upton company, of Peabody, Mass., are having excellent success with the sale to the trade of their recording thermometers for greenhouse work. They state their advertising returns from The Florists' Exchange have been most satisfactory. The following testimonials received from florists who have used these thermometers will be found interesting:

Albert M. Herr, of Lancaster, Pa., says: "Your recording thermometer No. 177 is giving very good satisfaction, and is certainly one of the very best things ever gotten up to help us keep an accurate knowledge as to how our greenhouses are attended to at night. If we only had plenty of coal, at a nominal figure with this thermometer we would have no need of any failures from improper temperature this Winter."

The Lake View Rose Gardens, of Jamestown, N. Y., write: "Will you please forward us by first mail 250 more of the dials, same as we received with the thermometers, and kindly send us four more thermometers, with all supplies."

Samuel Lynnes, of Norwalk, Conn., states: "Enclosed please find my check for $18, in payment for the thermometer. It certainly is a fine thing, and I would not be without it. By the way please let me know the price of the weekly records, as I will need more in a few weeks."



Correspondence

Subsoiling.

Editor Florists' Exchange:

I see by December 13 Florists' Exchange that Mr. Meehan touches on the advantage of subsoil cultivation. I believe this work is of much more importance than many imagine. The preparation of the soil is a subject too often neglected, or not enough insisted on by writers on landscape gardening, while pages are written on the beauty of trees and their charming effect by judicious and tasteful planting. Too often many a beautiful tree, or shrub, is spoiled by careless planting, to the annoyance of the owner and discredit to the nurseryman, contractor or gardener, which may be just or unjust. Too often it is the case with a contractor to "hurry up," dig a hole and bury the roots, or scuffle up a shrubbery bed, stick in the plants, finish off the top neatly to catch the eye, send in his bill, request early payment, and get out, indifferent as to whether the plants will thrive or not. The result is a source of annoyance to the owner, which he paid well for, instead of a pleasure.

I believe one of the principal causes of the failure of shrubs and trees to grow is because the ground has not been properly prepared. All shrubberies should be trenched, or double dug. But I would go further than Mr. Meehan, I would put the top spit at the bottom of the trench, and manure well the subsoil at the top, and stir up the bottom of the trench another spit. This would give two spits of good earth for the plants to grow in, and three spits for draining and "cooling" purposes.

A short time ago I discussed the subject of better preparation of the soil for trees and shrubs with a nurseryman. He admitted trenching and so forth would be much better, but said he could not afford to do that and get anything out of his contracts; no doubt he would rather replace a tree or shrub that died. I also not long ago put the question to a contractor who handles a considerable number of trees and such like. His reply was: "There is very little planting done; the subjects are merely placed in position. The people won't pay for proper planting."

What does this mean? That those who make it their business to do landscape work do not try to elevate the trade, or to place horticulture on its highest pedestal?

There are many rich people in this country who I believe would be willing to pay for the best workmanship did they but know it, and it seems to me the persons who should insist as much as possible on the elevation of the trade are those who are engaged in the business.

Just a word or two upon the principles of proper preparation of the soil for landscape and general gardening. There is scarcely an article in The Florists' Exchange on roses, carnations or chrysanthemums but deals with the necessity of proper preparation of the soil and feeding the plants. (See last week's number, paragraph on "Christmas," by W. R. Pierson, page 1429.) Mr. Pierson knows what he is talking about; he works on sound principles, and knows by experience the good results that follow the carrying out of his advice. Apply the same principles to fruit, flowers, vegetables and shrubs in the open, and good results are sure to follow, to the satisfaction of the employer and the credit of the workman.

We read much about plants and flowers that catch the eye, but very little about their roots. Would not some articles on roots and their action be interesting to your readers, as well as instructive? I should like to see such articles.

GEO. McNAUGHTON.

[We shall gladly welcome articles of this nature.—Ed.]

Ratio of Coal Prices to Receipts.

Editor Florists' Exchange:

It is a generally accepted fact that once prices of any commodity are inflated to any great degree it is a long time before they again fall to their normal. Especially is this true when a strong combination is holding them up. Hence I look for a high price to maintain in our fuel bills for the ensuing year and the natural question occurs to me, as it does doubtless to others "How much ought I to be able to afford for fuel?" Or, perhaps, it would be better to say: "What proportion to the gross receipts ought the coal bill to occupy?"

You may say that is a matter for each individual to answer for himself. Doubtless so, yet I think it would be of extreme interest to know just where the trade in general placed the average per centage, and it may help some when they are placing their next year's contract. It may also give food for thought as to how the advance in price of most commodities we florists use are to be met, as it seems to be taken for granted that however much more we have to pay for what we use the prices of plants and flowers are to remain stationary. Yet, certainly there must be a limit somewhere; but at present the florist bears his burden with a stoicity almost equaling idiocy.

The S. A. F. O. H. also, has lost two golden oportunities to prove its usefulness and to gain members by its "masterful inactivity," over the coal situation and the express tariff. Here were two unprecedented chances to show outsiders the benefits of organization, for although the society's efforts might not have succeeded yet a vigorous protest and an active policy on these occasions would have gained it many friends. 'Tis true, now nearly six weeks after, the society is calling a meeting to protest against the express tariffs, but to be successful this should have been done immediately on the publication of the increase, and been made with all the vigor and authority of the association and its allies. In short, a fighting policy should have been pursued.

SAMUEL BATSON.

The Logan Berry.

Editor Florists' Exchange:

In answer to R. J. in issue of the Florists' Exchange for January 17, the Logan berry is a novelty only and is not desirable as a market fruit. The fruit is so delicate and soft as to render it unfit for market purposes. R. J. had better plant some reliable variety of blackberry.

CHAS. BLACK.

Meant What He Said.

Cassidy—Oi want a wreath av flowers, an' put on it "He Rests in Pieces."

Florist—Don't you mean "He Rests in Peace?"

Cassidy—Oi mane phawt Oi sed. 'Tis fur Casey, thot was blowed up in the quarry.—Philadelphia Press.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 500 LBS. 60c. per cwt On Cars N. Y. City.
Tobacco Powder THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.
Tobacco Powder THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.
Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it, write Dept. B.
THE H. A. STOOTHOFF COMPANY
TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

PHILADELPHIA WHOLESALE FLOWER MARKET
1228 CHERRY STREET, PHILADELPHIA

Consignments of **CHOICE VIOLETS** and **NOVELTIES** Wanted. We have a Choice Lot of **DAFFODILS** Fresh Daily.
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

Mention the Florists' Exchange when writing.

JAMES FURTUNES

DAGGER FERNS
$1.00 per 1000.

GALAX
Green and Bronze, $1.00 per 1000. In 5000 lots at reduced rates

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BROOKLYN, N. Y.

Telephone, 3704 Main.

Cash with all orders

Branch, C. FURTUNES, 431 State Street, New Haven, Conn.

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Galax Leaves, Leucothoe Sprays
Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**

Mention the Florists' Exchange when writing.

GALAX

Bronze or green, $1.00 per 1000; 75c. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100. **Fancy Ferns**, $1 50 per 1000. **Green Sheet Moss**, fresh stock, $2.50 per bbl. sack. **Sphagnum Moss**, $1.50 per bale. **Southern Wild Smilax**, 60 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50.

L. J. KRESHOVER, 110-112 W. 27th St., N.Y.
Tel. 597 Madison Square.

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FANCY OR DAGGER FERNS

$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

CROWL FERN CO

MILLINGTON MASS.
Telegraph Office: NEW SALEM, MASS.

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Catalogue Cuts

Our new revised Catalogue No. 6,

FLOWERS AND PLANTS

136 pages and cover, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

A. T. DELAMARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

New York.

The Week's Happenings.

The annual dinner of the New York Florists' Club, which occurs next Saturday evening in the St. Denis hotel, is to be a tip-top affair, and a goodly number of the club's members is expected to be present.

A meeting of the Dinner Committee will be held on Saturday afternoon (today), at three o'clock in the store of Walter F. Sheridan. It would facilitate the work of the committee very much if those desiring tickets would secure them at the earliest possible moment. The price is $5.00.

The Brooklyn Horticultural Society had a very enthusiastic meeting last Monday evening, and all plans for entertaining the American Carnation Society, and the holding of the exhibition connected therewith, are about perfected. Another meeting will be held on Monday evening, February 2. Every member should be present on that occasion, as preliminaries will be completed then. Additions to the entertainment fund were reported, as well as more premiums donated by the local tradesmen. The members expressed a preference for Lieutenant Governor Timothy Woodruff as toastmaster at the banquet.

The coal situation shows no improvement yet. Neither has there been any reduction in express rates. Meantime, there is a decided downward tendency in the prices realized on cut flowers, and the profits of growers are thus getting cut at both ends.

The Manhattan Supply Company, dealers in new and second-hand pipe and fittings, find their business increasing so much that more commodious quarters have been rendered necessary. They have secured the premises at the junction of Duane, Centre and New Elm streets. With the added space thus acquired, facilities are furnished for storing their goods here, instead of having to keep their stock outside of the city. Thus they will be able to make prompter shipments of goods.

The Lord & Burnham Company, of Irvington-on-Hudson and New York City, are making extensive additions to their plant at Irvington. These additional buildings will comprise a large wood-working mill equipped with the most modern machinery for the preparation of cypress wood capping, bars, etc., for their standard iron construction greenhouses, also for the manufacture of cypress greenhouse material for the trade for the "all sash bar" construction (the demand having outgrown the capacity of the present mill); a power house on their new dock for the installation of new steam boilers and engine; also additions to their foundry and shops for making the well-known "Burnham" heating boilers. The enlargements referred to, taken in connection with its present works, including the extensive iron-working shop built three years since, will nearly double this firm's present facilities, making it possible not only to fill all orders very promptly, but also to handle its rapidly growing business in completed greenhouses and all kinds of greenhouse material.

The American Institute will hold a show of roses, carnations, and other flowers of the season, as well as of fruits and vegetables, particularly those grown under glass, in the Berkeley Lyceum, Forty-fourth street, on January 28 and 29. On same dates a farmers' institute will take place, at which some of the speakers will be Professors Johnson, Bailey, Jordan and Hall; also Messrs. Tucker, of the Country Gentleman, George M. Powell and others. In connection with the show a silver medal will be offered for an exhibit of a new rose not generally in commerce.

Branches of the Forsythia are coming in, full of their yellow blossoms, and the retail stores are using them lavishly for window display. The business among retailers is principally for funeral work at this time.

Roberts & Grunewald had a serious fire in their store at 247 Columbus avenue on Sunday evening last. Most of the stock and fixtures were destroyed. There was no insurance. Business will be resumed as soon as the necessary repairs can be done.

Sydney and Arthur, two sons of John Nash, sailed for England on the third of this month on the steamship Minnehaha. Arthur will enter the Ardingly College, Sussex, England, for a course of study, and Sydney will return to America shortly.

The sympathy of the craft will go out to David Deans, grower, Astoria, N. Y., who lost a daughter by death on Saturday, January 17. The Brooklyn Horticultural Society passed resolutions of condolence with the bereaved family.

The eighth annual dinner of the New Jersey Floricultural Society will occur on Wednesday evening, February 4, in the Elks' Hall, Lindsley building, Orange, N. J., at 8 o'clock.

To those florists who are equipped with Lehman heaters, the delivery of flowers and plants during the coldest weather is done without any loss or inconvenience. One or two of these small heaters should be in th hands of every florist who delivers his own goods by wagon.

Richard Clark, of Clark Bros., Portland, Oregon, is in this city for an extended visit.

The John J. Crooke Co., tin foil manufacturers, have changed their location from 186 Grand street, to 155-163 Avenue D, New York, and 149 Fulton street, Chicago.

Paul Dailledouze, of Dailledouze Bros., arrived home Tuesday from an extended western trip. While away he went as far as Chicago, making calls en route at all the prominent carnation establishments. He also visited the noted growers in and around Chicago.

A. N. Pierson, Cromwell Conn., was in town this week.

Chicago.

News Notes.

With milder weather prevailing, trade is a little on the increase. Wholesalers find it pretty hard at present to fill all shipping orders. It seems the more glass devoted to cut flower growing the smaller the crops secured; that is the case this year, at least, around here. The stock will average in quality a great deal better than in any former year, which may make up for the smaller output, when the grower closes his accounts at the end of the season.

The milder weather seems to have helped the coal situation, although many have no great supply on hand. If a heavy snowstorm should come, with a decided cold spell for any length of time, there is no doubt but some heavy losses would be reported. N. K. Welter, of So. Evanston, a vegetable and carnation grower, closed up his carnation houses rather than pay the high price asked for coal. By so doing he will be able to run his remaining houses devoted to vegetables until Spring with the coal he has on hand. He will devote the six houses closed up to the growing of cucumbers and lettuce in the early Spring.

Fire in the Atlas Block early Monday morning caused the commission men located there considerable inconvenience during Monday and part of Tuesday. The loss to them is small. The daily press puts it as follows: Frank Garland, $100; J. B. Deamud, $100; John Muno, $200, and Wietor Bros., $100. No damage was done by the fire except to destroy the gas and electric light connections. One house went back to the custom of primitive days and was doing business by candle light.

Anton Then is forcing some 8,000 longiflorum lilies, and finds the bulbs better than those of last year. They will come in right for Easter. Carnations here are looking well, taking into consideration that they were under about two feet of water several times last Summer.

Welter & Thill, of So. Evanston, report trade fairly good. Carnations are their principal crop. P. M. Broadbeck is also satisfied with business at present. His roses are in first-class shape. John Schoephle & Co., the Belmont avenue florists, report trade double what it was with them last year.

F. Calvert and wife, of Lake Forest, left Tuesday for a four months' sojourn in California and other Western States.

Mrs. F. R. Hills is at the market after a week's illness.

Visitors: O. A. Will, Minneapolis, Minn.; Paul Dailledouze, Flatbush N. Y.; Otto Benthey, New Castle, Ind.

ROBERT JOHNSTONE.

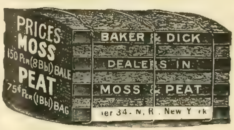
Order Direct from Headquarters

A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green** and **Sphagnum Moss**, $1.00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

HENRY M. ROBINSON & CO.,
34-36 Court Square, Boston, Mass.

Mention the Florists' Exchange when writing.



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Where quality is first consideration), write, wire or phone the introducers,

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AMERICAN BEAUTY
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Fresh from the greenhouses, carefully packed, and guaranteed to arrive in good condition. Market prices.

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AMERICAN BRAND
FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850
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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
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NEW YORK
Open every Morning at 5 o'clock for the Sale of Cut Flowers
This is not a commission house; the market consists of individual stands
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J. DONALDSON, Secretary

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Daily Reports Weekly Payments
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J. A. MILLANG
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'Phone, 956 Madison Square
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GROWERS AND RETAILERS, I have the facilities to take care of you both. All seasonable Flowers and Novelties, at proper prices, can be had at
52 West 29th St., New York, Telephone 1738 Mad. Sq

YOUNG & NUGENT
..Wholesale Florists..
CATTLEYAS, Am. Beauty, Liberty, Sunrise, Bride, Bridesmaid, Meteor, Golden Gate, and all other Leading Varieties of Roses.
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The Pioneer House
Tel. 167 Madison Sq.
Can Fill Out-of-Town Orders at all Times
Personal attention given all orders. Specialties: **Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at 6 o'clock every morning.
Consignments Solicited
J. K. ALLEN, 106 West 28th St., New York

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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
WILLIAM H. GUNTHER
80 West 29th Street, NEW YORK
Telephone Call 551 Madison Square
Violets Roses Carnations Orchids
Established 1888

W. GHORMLEY
WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
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57 West 28th Street, NEW YORK

H. C. Riedel F. D. Spicer
RIEDEL & CO.
Wholesale Florists
Telegraph your wants. Everything in the line of cut flowers shipped to all parts of the U. S. Send for weekly price list.
34 W. 29th St., New York
Telephone 3039 Madison Square

Wholesale Prices of Cut Flowers, New York, January 23, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	50.00 to 60.00
	" extra	30.00 to 40.00
	" No. 1	20.00 to 30.00
	" Culls & ordinary	3.00 to 12.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	12.00 to 15.00
	" extra	10.00 to 12.00
	" No. 1	6.00 to 8.00
	" No. 2	3.00 to 5.00
	Golden Gate	4.00 to 20.00
	Liberty	10.00 to 25.00
	Meteor	4.00 to 10.00
Adiantum		.75 to 1.00
" Peter Crowe		...... to ......
Asparagus		25.00 to 50.00
Callas		10.00 to 12.00
Cattleyas		25.00 to 60.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		30.00 to 35.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		1.50 to 2.00
	Standard Varieties	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*Fancy— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	Novelties		8.00 to 10.00
Lilies			12.00 to 15.00
Lily of the Valley			2.00 to 5.00
Narcissus—Paper White			1.50 to 2.00
" —Yellow			2.00 to 4.00
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
Roman Hyacinths			1.50 to 2.50
Smilax			8.00 to 10.00
Sweet Peas			1.50 to 2.00
Tulips			2.00 to 5.00
Violets			.35 to .60
" special			.75 to 1.00

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55 & 57 W. 26th St., New York.
Specialties Violets and Swainsona
Shipping orders receive prompt attention
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Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
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Author of "How to Make Money Growing Violets"
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AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.
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GROWER
AGENT
COMMISSION FLORISTS
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.

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CUT FLOWERS AT WHOLESALE

Receiving Daily Fine
PRES. CARNOT
KAISERINS
METEORS
BEAUTIES
Etc.

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1612-14-16-18 Ludlow St., PHILADELPHIA, PA.
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Boston.

Express Rates.

At the meeting of flower growers and shippers of Boston and vicinity, held at the American House, Saturday last, a very strong and decided protest against the arbitrary and unreasonable action of the Adams, American and National Express companies, in increasing the rates on flowers fifty per cent., was made. Secretary William J. Stewart, of the S. A. F., presided, and William W. Tailby, of Wellesley, acted as secretary. Letters were read from many buyers throughout New England and New York State, who were unable to attend, bristling with protest, and adding in many cases, that the present rates will mean a curtailing of their orders.

The following communication, which was received before the opening of the meeting, was read by Mr. Stewart:

Poughkeepsie, N. Y., January 16, 1903.

We, the undersigned, a committee duly appointed by the Horticultural Society of Dutchess county, for the purpose of procuring a reduction in express rates on cut flowers, express our desire of co-operating with your society in its efforts to procure such reduction, and we further desire to aid in any way that we may be able to promote the goal in view, and the common welfare of the flower growers in general.

(Signed)
C. F. BAHRET,
PETER F. DeVOY,
STANTON ROCKEFELLER,
W. H. SLOAN,
HERMAN ASHER,
H. C. BAKER.

Remarks were made by Messrs. Patrick Welch, N. F. McCarthy, John J. Kelly, of George A. Sutherland's; George Patten, of Lowell, and others. Mr. Welch answered the reasons put forth by the Express companies for the advance, stating that their statement as to giving the flowers better care is not carried out in practice, and that allowing shipments to get too heated, or to freeze, is due to the carelessness of the messenger and would not be remedied by the increase in rates.

Mr. Stewart, in the course of his remarks, stated that, should these local meetings of protest fail to bring about the desired result, the S. A. F. will take the matter to Congress.

The other speakers added their words of protest, in about the same strain, nearly all attacking the American Express Company particularly. After considerable debate, a committee on resolutions, consisting of P. Welch, of Boston; James J. McCormack, of Malden, and E. R. Shaw, of Nashua, N. H., was appointed to bring in a set of resolutions, to which all present affixed their signatures. The following committee was appointed to present the resolutions to the express companies: W. H. Elliott, of Brighton; W. J. Steward and P. Welch, of Boston, and E. R. Shaw, of Nashua, N. H.

The resolutions follow:

Whereas, The transportation of cut flowers to the Boston market has been carried on for years almost entirely by the Adams, American and National Express companies, who have always carried cut flowers as first-class matter, and have charged the highest rates on their schedule, but who have since the 10th of December, 1902, arbitrarily and unreasonably increased the price of hauling said goods fifty per cent., without in any way increasing the efficiency of their service.

And whereas, experience and modern means of conveyance and the establishment by these companies of local offices and branches in all sections of the country have very much lessened for the express companies the cost of transportation and the risk of handling said goods, which are regularly forwarded every day in the year, and consequently they should be transported at reasonable rates instead of the increased rate now levied;

And whereas, we feel that the present rates are a discrimination against our business, and therefore unlawful;

And whereas, this increase of tariff by the express companies is in line and following the leadership of the great trusts of this country in increasing their prices, not because better prices are deserved, but to multiply their earnings, and because they feel they are powerful enough to force the public to agree to their terms;

Be it Resolved, That we, the flower growers, flower shippers, and merchants in and about Boston and vicinity, assembled under the auspices of the Society of American Florists, vigorously protest against the unwarranted, unprecedented and oppressive advance by said companies for the expressing of cut flowers.

And that we demand a speedy return to the old rates for the transportation of cut flowers, which amply and sufficiently repay said express companies for any and all risks of handling and the labor and expense of transportation.

P. WELCH,
JAS. J. McCORMACK,
E. R. SHAW,
Committee.

There is evidence of a good representation from Boston at the convention of the American Carnation Society in Brooklyn next month

F. J. NORTON.

WHITE LILAC and DAFFODILS
LEO NIESSEN, PHILADELPHIA.
Store open from 7 A. M. to 8 P. M. until further notice.
Mention the Florists' Exchange when writing.

"Koral"
HEADQUARTERS FOR
Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Boston Jan. 21, 1903	Phil'delphia Jan. 20, 1903	Baltimore Jan. 21, 1903	Buffalo Jan. 20, 1903	Pittsburg Jan. 19, 1903
	A. BEAUTY, fancy—special		...... to 60.00	50.00 to 60.00	...... to	75.00 to 100.00	75.00 to 100.00
Roses	" extra		40.00 to 50.00	30.00 to 40.00	...... to	40.00 to 60.00	50.00 to 65.00
	" No. 1		20.00 to 35.00	20.00 to 25.00	30.00 to 40.00	...... to	25.00 to 40.00
	" Culls and Ordinary		8.00 to 12.50	10.00 to 15.00	8.00 to 25.00	...... to	8.00 to 12.00
	Queen of Edgely		25.00 to 60.00	25.00 to 60.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		... .. to 25.00	...... to	..... to	...... to 20.00	18.00 to 20.00
	" extra		16.00 to 20.00	15.00 to 18 00	...... to	12.00 to 16.00	12.00 to 15.00
	" No. 1		12.50 to 16.00	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	6.00 to 8.00
	" No. 2		6.00 to 8.00	8.00 to 9.00	4.00 to 6.00	4.00 to 6.00	2.00 to 4.00
	Golden Gate		...... to	8.00 to 18.00	5.00 to 10.00	4.00 to 15.00	...... to ......
	K. A. Victoria		...... to	8.00 to 18.00	.... to	to ...	...... to ......
	Liberty		6.00 to 30.00	15.00 to 50.00	5.00 to 10.00	6.00 to 20.00	4.00 to 8.00
	Meteor		4.00 to 16.00	10.00 to 15.00	5.00 to 8.00	4.00 to 15 00	4.00 to 8.00
	Perle		...... to	8.00 to 15.00	4.00 to 6.00	5.00 to 8.00	4.00 to 8.00
	ORCHIDS—Cattleyas		...... to	..... to 50.00	..... to	...... to	...... to ......
	Cypripediums		...... to	..... to 15.00	...... to	...... to 15.00	...... to ......
Carnations	Inferior grades, all colors		1.50 to 2.00	.... to	1.25 to 1.50	1.25 to 1.50	.75 to 1.00
	STANDARD VARIETIES	White	...... to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
		Pink	2.50 to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.25 to 1.50
		Red	2.50 to 3.00	2.00 to 3.00	2.00 to 3 50	2.00 to 3.00	1.50 to 2.00
		Yellow and var.	2.50 to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
	*FANCY (*The highest grades of standard var)	White	3.50 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
		Pink	3.00 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.00 to 4.00
		Red	3.00 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.00 to 4.00
		Yellow and var.	3.00 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.00 to 4.00
	NOVELTIES		...... to 5.00	..... to	...... to	6.00 to 8.00	...... to ......
	ADIANTUM		.... to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.00 to 1.25
	ASPARAGUS		25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	10.00 to 50.00	20.00 to 50.00
	CALLAS		8.00 to 12.50	..... to	8.00 to 12.00	10.00 to 12.50	8.00 to 12.00
	CHRYSANTHEMUMS—Ordinary		...... to	...... to	...... to 10.00	...... to	..... to .....
	" Fancy		...... to	...... to	...... to	...... to	...... to ......
	DAISIES		...... to	...... to	...... to	...... to	...... to ......
	FREESIA		2.00 to 4.00	..... to	1.50 to 2.00	2.00 to 3.00	3.00 to 6.00
	GALAX LEAVES		.10 to .15	.15 to .20	...... to .10	.10 to .15	...... to ......
	HYACINTHS		1.50 to 2.50	3.00 to 4.00	..... to	3.00 to 6.00	3.00 to 4.00
	LILIES		8.00 to 12.50	...... to 25.00	...... to 12.00	12.50 to 15.00	12.00 to 15.00
	LILY OF THE VALLEY		2.00 to 5.00	4.00 to 6.00	...... to	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary		3.00 to 4.00	...... to 3.00	3.00 to 4.00	2.00 to 4.00	3.00 to 6.00
	" Fancy		6.00 to 8.00	..... to 4.00	... to	5.00 to 6.00	...... to ......
	NARCISSUS		2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00
	SMILAX		12.00 to 16.00	12.50 to 15.00	10.00 to 20.00	..... to 15.00	10.00 to 15.00
	STEVIA		2.00 to 2.50	... .. to	...... to 2 00	...... to	...... to ......
	SWEET PEAS		...... to	1.00 to 2.00	...... to	1.00 to 2.00	1.50 to 2.00
	TULIPS		2.00 to 4.00	...... to	..... to	3.00 to 4.00	2.00 to 3.00
	VIOLETS		.50 to .75	1.00 to 1.50	.50 to 1.00	1.00 to 1.50	1.00 to 2.50

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Lenox, Mass.

The arrangements for the annual ball of the Lenox Horticultural Society are going merrily on. It is expected that Gartland's orchestra of Albany, which is to furnish music, will attract many from out of town, and the largest attendance in the history of the society's annual entertainment is looked for. Committees have been appointed as follows: Arrangements, chairman, Charles R. Russell, George Thompson, E. J. Norman; floor directors, chairman, H. P. Wookey, William Clifford, John C. Morrow; reception, chairman, A. J. Loveless, Frank Butler, Robert Schmidt, J. E. Bosworth; tickets and door, Alexander McConnachie, William Henry, William Wood and Ernest Lundberg.

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Pittsburg.

The Week's News.

E. C. Beatty, of Oil City, spent a day in town the past week. At the Rose Gardens, natural gas is still used as fuel for heating, but during the last cold spell the gas was scarce and wood was substituted for some days. Mr. Beatty stated that coal was hard to get to their place, and they have burned considerable wood in their time.

William J. Boas, representing Edwards & Docker, of Philadelphia, and S. S. Skidelsky, were in town during the week.

The salary of the Superintendent of Parks in Allegheny has been raised to $2,000 by the council. William Hamilton still holds the position, to which he was appointed many years ago.

E. C. REINEMAN.

St. Louis.

The News.

Mrs. Emily North, the widow of Joseph North, who was proprietor of the North Floral Co., died last week at her home at Kimmswick, Mo.

A. Hotchkiss, aged 87 years, and for fifty-three years superintendent of Bellefontaine Cemetery, was buried Sunday, January 18, in the cemetery whose present beauty and fame are due more to his efforts and skill as a landscape engineer than to anything else. Mr. Hotchkiss removed here from New York City to occupy the position held at his death.

Through an error in the transmission of a report made the writer, the note appearing in a late issue of the Florists' Exchange, to the effect that it was reported Eugene Michel would sell his Maryland avenue store, was not correct. The reported sale was that of the C. L. Connon store to Mr. Townsend.

F. W. M.

Indianapolis, Ind.

Notes.

Through an oversight in my correspondence in the last number of The Florists' Exchange, Stuart & Haugh, of Anderson, were given credit for a lot of carnations which should have been credited to Baur & Smith, of Indianapolis. The seedlings mentioned included the following: Freedom, John Mitchell, Beatrice and The News. The yellow rose Franz Deegen was also credited with having received a gold instead of a silver medal. There is some controversy in regard to this latter, as the writer understands that the rose in question is not yet eligible to receive any medal of the association.

Henry Rieman has a nice lot of Harrisii lilies in bloom. He has made a specialty of cultivating several new strains of cyclamen and some of his fringed varieties are excellent.

Messrs. A. Wiegand & Sons had a large out-of-town shipment last week.

Bertermann Bros. presented each member of the Indiana Legislature with a carnation and souvenir book last week.

The business of the Vail Seed Company is to be sold to the highest bidder, Thursday afternoon, January 22. Al. Eshbach, the former manager, has taken a position with the J. A. Everitt seed house.

I. B.

Cincinnati.

Some Predictions and Other Things.

The retail stores all seem to be doing a nice steady business over the counter, but with very few decorations in sight that amount to anything. Orchids have been called for more this season than I have ever before known in this city, and, I believe, they will soon be as staple as American Beauty roses. Golden Gate rose was not in favor here until this season; now we cannot get enough of it to fill our orders. Ivory will be just as popular as Golden Gate when it is better known. Liberty is here to stay and is by far the best of all the red roses. Sunrise is another rose that will sell when it is grown in quantities large enough to fill an order, and keep up regular supply. It is a novelty, having bronze foliage. Franz Deegen will also be sought after when it is grown in quantity. Meteor has had its day, and so has Perle des Jardins; but we have two other roses much better to take their places.

We still need a scarlet carnation, and a white one. While there are many in the market, none seem to quite fill the bill. So far among the new whites that I have seen only one comes near the mark, and I have not seen the variety often enough to give its name. No doubt many new ones will be on hand at Brooklyn.

J. A. Peterson started January 19 for a business trip to St. Louis, Chicago, and one or two other cities.

Millionaire Callahan, of Dayton, O., died Saturday, and H. H. Ritter is overwhelmed with orders.

E. G. GILLETT.

St. Paul

Among Growers.

Hahn Olsen's new houses are looking very nice these days under the careful superintendence of Ludwig Anderson. Nothing but plants and bulbs are grown here, but these are certainly done to the queen's taste. For the holidays he had as fine a lot of azaleas and poinsettias as we have ever seen. He has a nice lot of seedling ferns, just potted, that will be in fine shape for Spring sales; 3,000 lilies are coming on nicely, besides a large quantity of other bulbous stock. There are three houses, each 20 x 100 feet, running north and south; 16 x 18 glass was used. The roof is supported by an iron truss work bolted to the centre posts, leaving the walks free from posts or everhead projections. Considerable trouble is experienced with water gathering in the boiler pit, which necessitates frequent pumping. The houses are located near a bluff, on solid rock foundation without sewerage and the water which collects cannot flow away.

W. J. Lempke, who succeeded E. Behrens on Kent street, is building up a nice trade. His houses are in rather bad shape, but he hopes to rebuild them in the Spring.

L. L May & Co.'s houses are looking fine, as usual. Owing to the lateness of construction the new range has not produced very much yet, but their roses are now coming on in good shape and with a few days of sunshine will show an abundance of bloom. A bench of Prosperity carnations in the new range has already produced several thousand fine flowers, and the plants are full of buds all the time. A bench of double violets was badly affected by club root and had to be thrown out. This is the fourth attempt at growing violets, with the same results. Roses on their own roots are similarly affected, and none but grafted stock is now used. A bench of Prince of Wales violets, however, is not affected at all; the plants are growing vigorously and producing abundantly. This new range was erected on the Dietsch short span plan and will be eagerly watched by growers in this vicinity. Three houses of carnations, containing good plants, are in fine shape, and are one mass of buds. The varieties grown here are White Cloud, Flora Hill, G. H. Crane, General Maceo, Governor Roosevelt, Melba, Genevieve Lord, Morning Glory, The Marquis, Mrs. Lawson, Queen Louise, Mrs. Frances Joost, Armazindy and a few Norway. White Cloud, G. H. Crane and Mrs. Lawson are the favorites in their respective colors.

In roses this firm has some two and three-year-old grafted Bridesmaid and Bride, both in solid beds and benches, and all doing equally well. Golden Gate is also grown here with great success, and is, all things considered, the most profitable sort ever cultivated.

Some two-year-old Liberty are looking fine, but are very shy in bloom. However, the lack of sunshine may be the cause of this. The plants are strong, healthy and thrifty, and the flowers being cut are large, well developed, with stems of good length. Meteor has not been grown in two years, but will probably be planted another season.

An immense stock of Spring bedding plants is being propagated. Some 50,000 geraniums have already been rooted, and more are going in daily. The firm also has a large stock of Boston ferns and assorted ferns for jardinieres, as well as adiantums.

Bulbs are forced here in large quantities for their retail trade. Among other items we note 50,000 Roman hyacinths, 25,000 Paper White narcissus, 50,000 lily of the valley, 8,000 lilies, 20,000 freesia, 25,000 daffodils, 25,000 tulips, 10,000 Dutch hyacinths, as well as 800 azaleas, 200 lilacs, 500 spiræas, 500 hydrangeas, 500 hybrid roses, Crimson Rambler, and others in large quantities.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Jan. 20, '03	St. Louis Jan. 19, '03	Cincinnati Jan. 20, '03	Milwaukee Jan. 19, '03	Detroit Jan. 20, '03
	A. BEAUTY, fancy—special	35.00 to 40.00	35.00 to 75.00	...... to 50.00	35.00 to 40.00	40.00 to 50.00
Roses	" extra	25.00 to 30.00	25.00 to 30.00	...... to 40.00	20.00 to 25.00	35.00 to 40.00
	" No. 1	20.00 to 25.00	15.00 to 20.00	25.00 to 35.00	15.00 to 18.00	20.00 to 30.00
	" Culls and Ordinary	5.00 to 12.00	5.00 to 10.00	8.00 to 12.00	6.00 to 8.00	10.00 to 20.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	12.00 to 15.00	...... to 8.00	...... to 10.00	...... to 12.00	..... to 12.00
	" extra	10.00 to 12.00	...... to 7.00	...... to 8.00	...... to 8.00	...... to 10.00
	" No. 1	8.00 to 10.00	5.00 to 6.00	4.00 to 6.00	...... to 6.00	...... to 8.00
	" No. 2	6.00 to 8.00	...... to	...... to 3.00	...... to 4.00	...... to 6.00
	Golden Gate	4.00 to 12.00	5.00 to 8.00	6.00 to 10.00	8.00 to 10.00	5.00 to 8.00
	K. A. Victoria	...... to	4.00 to 8.00	...... to	6.00 to 8.00	...... to ......
	Liberty	6.00 to 25.00	...... to	4.00 to 15.00	10.00 to 15.00	..... to ......
	Meteor	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00	6.00 to 12.00
	Perle	5.00 to 8.00	4.00 to 5.00	4.00 to 6.00	4.00 to 6.00	5.00 to 8.00
	ORCHIDS—Cattleyas	50.00 to 75.00	...... to	...... to 60.00	...... to	..... to 50.00
	Cypripediums	...... to	...... to	...... to 25.00	...... to	..... to 25.00
Carnations	Inferior grades, all colors	1.00 to 2.00	1.50 to 2.00	..... to 1.00	...... to	..... to ......
	STANDARD VARIETIES White	2.00 to 3.00	...... to 3.00	...... to 2.00	1.50 to 2.00	..... to 1.50
	Pink	2.00 to 3.00	...... to 3.00	1.50 to 2.00	1.50 to 2.00	.... to ......
	Red	2.00 to 3.50	...... to 3.00	1.50 to 2.00	1.50 to 2.00	.... to ......
	Yellow and Var,	2.50 to 3.00	..... to 3.00	...... to	1.50 to 2.00	...... to 3.00
	*FANCY— (*The highest grades of standard var) White	3.00 to 4.00	..... to 4.00	3.00 to 4.00	...... to	.... to 3.00
	Pink	3.00 to 4.00	..... to 4.00	3.00 to 4.00	...... to	.... to 5.00
	Red	3.00 to 4.00	...... to 4.00	3.00 to 4.00	3.00 to 4.00	...... to 5.00
	Yellow and Var.	3.00 to 4.00	..... to 4.00	3.00 to 4.00	... to	..... to ......
	NOVELTIES	6.00 to 8.00	...... to	..... to	..... to	...... to ....
	ADIANTUM	.75 to 1.50	1.00 to 2.00	1.00 to 1.50	.... to 1.00	..... to 1.50
	ASPARAGUS	15.00 to 50.00	10.00 to 20.00	35.00 to 50.00	20.00 to 40.00	20.00 to 75.00
	CALLAS	12.50 to 15.00	10.00 to 15.00	12.00 to 15.00	...... to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS—Ordinary	...... to	..... to	...... to	..... to	..... to ......
	" Fancy	...... to	..... to	..... to	..... to	..... to ......
	DAISIES	...... to	..... to	...... to	..... to .75	...... to ......
	FREESIA	2.50 to 4.00	...... to 2.00	...... to	..... to	4.00 to 5.00
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	..... to .20	...... to .10
	HYACINTHS	2.00 to 3.00	..... to 3.00	..... to 3.00	...... to	...... to ....
	LILIES	12.50 to 15.00	..... to	...... to 20.00	...... to	14.00 to 16.00
	LILY OF THE VALLEY	2.50 to 5.00	...... to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	..... to	...... to	...... to	...... to 3.00
	" Fancy	6.00 to 8.00	...... to	...... to	...... to	...... to 5.00
	NARCISSUS	2.50 to 3.00	3.00 to 4.00	...... to 3.00	...... to	3.00 to 4.00
	SMILAX	10.00 to 12.50	12.50 to 15.00	12.00 to 15.00	..... to 18.00	12.50 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to
	SWEET PEAS	..... to 1.50	...... to	...... to	...... to 1.50	...... to 1.00
	TULIPS	3.00 to 4.00	...... to	...... to	... to	...... to ....
	VIOLETS	.75 to 1.50	.50 to .75	1.00 to 2.00	.50 to 1.00	1.00 to 1.50

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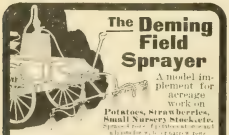

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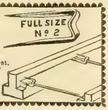

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WISHING TO DO BUSINESS WITH EUROPE SHOULD SEND FOR THE

"Horticultural Advertiser"

This is the British Trade Paper, being **read** weekly by all Horticultural traders; **it is** also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, **75 cents.** Money orders payable at Lowdham, Notts. Address

EDITORS OF THE "H. A."
Chilwell Nurseries, Lowdham, Notts.

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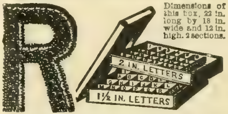
BOSTON FLORIST LETTER CO.

Manufacturers of **FLORISTS' LETTERS**



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager.

FACTORY: 18 Green St. **BOSTON, MASS.** OFFICE: 84 Hawley St

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TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless
as **Fumigant** or **Spray.**
Ask your seedsman
for it or write to

The Tobacco Warehousing and Trading Co.,
1004 Magnolia Ave.. - Louisville, Ky.

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CASPER LIMBACH

GREENHOUSE GLASS

A SPECIALTY.

Window Glass. Painters' Supplies.

60 Washington Ave., 31st Ward,
1929 Carson St., **Pittsburg, Pa.**

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SUMMER IN WINTER

By Using

Standard Greenhouse Boilers

One cent gets our Catalogue.

GIBLIN & CO., - Utica, N. Y.

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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.,
RICHMOND, IND

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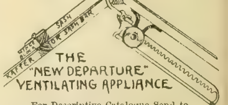
IF YOU WANT A

GOOD SASH LIFT

For a Very Little Money, Get



For Descriptive Catalogue Send to

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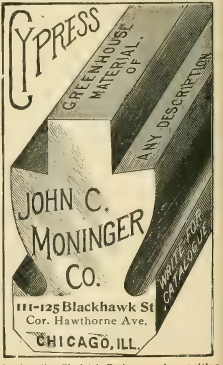

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Providence, R. I.

News Notes.

Mr. Keller received some sword ferns from Boston, the most of which are better than the usual run.

The Pawtucket florists seem to be holding forth at the same old gait. Frank O'Reilly is one of the pioneers and is at his store every day. He has done a pile of design work in his time.

Leach & Son are always busy. They have a new style electric light worth looking into.

Young Mr. Kelly of Valley Falls, has a clean house of carnations. He caters to the Valley trade. Hoffman has an immense number of bulbs forcing. His tulips are now ready; also lily of the valley.

Mr. Miller is busy potting kentias in combination. One of the houses is being altered for solid beds. His stock of grated roses is very large.

C. S. M.

Ridgewood, N. J.

Andrew V. D. Snyder cut a big crop of Prosperity and G. H. Crane carnations during the holiday season. The flowers being fine, he realized bonanza prices.

Wm. F. Barkham has put up a half dozen decorations during the past week, one of the finest being the adornment of the opera house for the Y. M. C. A.

E.

Passaic, N. J.

Wm. L. Hundertmark furnished a unique design for Assemblyman Pettersen, in the form of a representation of a section of a trunk sewer.

The main part was composed of pink carnations; the manhole of white carnations, and the beginning and ending were of dark red carnations. Roses and hyacinths were appropriately placed where they made an effective showing.

Peoria, Ill.

B. Juerjens is rejoicing over the arrival of a young son.

TALLMANS, N. Y.—The violet growers of Tallmans are short of coal and are unable to secure a supply. They are barely keeping the frost out of their houses.

HOT BED SASH
Now Ready.

DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft. - - 3 rows 10-inch glass
3 ft. 3 in. x 6 ft. 4 " 8 "
4 ft. x 6 ft. - - 5 " 8 "

Clear Cypress, 1¾ inch thick, without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

WRITE FOR CIRCULARS, PLANS AND ESTIMATES.

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JOHN C. MONINGER CO.
412 TO 422 HAWTHORNE AV. CHICAGO, ILL.

CYPRESS GREENHOUSE MATERIAL
OF ANY DESCRIPTION
SEND FOR CATALOGUE

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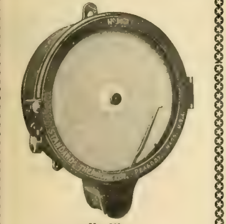
Improved Recording Thermometer
JUST THE THING FOR YOUR GREENHOUSE.



No. 200.
Send for catalogue and prices.
The Helios-Upton Co.,
PEABODY, MASS.

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CHICAGO
471 W. 22d Street

GREENHOUSE
MATERIAL

CYPRESS WOODWORK
Air dried and absolutely free of sap
"Perfection" Lifting Apparatus and other Greenhouse Hardware
Specialties - HOTBED SASH
Send for New Free Illustrated Catalogue

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CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
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NEPONSET, BOSTON, MASS.

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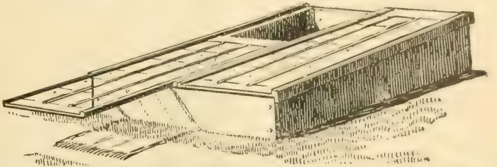
CYPRESS HOTBED SASH and FRAMES
Adapted for Growing Vegetables, Violets, Etc.
"THE BEST IS THE CHEAPEST." SUPERIOR IN EVERY RESPECT.



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Estimates furnished for CYPRESS GREENHOUSE MATERIAL.
☞ We make Special GREENHOUSE PUTTY.
Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue mailed from our New York Office on receipt of five cents postage for each

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HOTHOUSE GLASS
and GREENHOUSE PUTTY a SPECIALTY.
C. S. WEBER & CO.
10 Desbrosses St., New York.

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GREENHOUSE CYPRESS
FOR THE COMMERCIAL AND PRIVATE GROWER.
Construction the Latest,
Material the Best,
Prices Reasonable.
WRITE FOR BOOKLET,
THE GREENHOUSE MFG. CO.,
32 E. Third St., Cincinnati, O.

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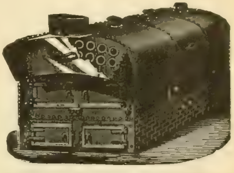
KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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GLASS
For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.
FRENCH or AMERICAN.
BENT GLASS
VANHORNE, GRIFFEN & CO.,
443-449 Greenwich St.
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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
SEND FOR CIRCULARS.
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Successors to JENNINGS BROS.,
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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.
BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.
☞ Our descriptive circular contains valuable information for every florist. Send for it.

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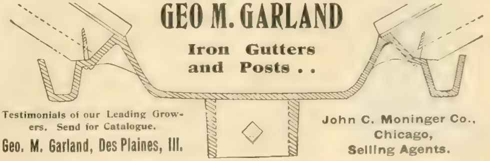

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Testimonials of our Leading Growers. Send for Catalogue.
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IS YOUR LAND WET?
Drain it and get the use of a rich, mellow soil, by laying **Agricultural Drain Tile.** Our round tile is superior to all others. Been making it 50 years. Get our free book on "Benefits of Drainage and How to Drain." Develops every feature of the subject. Write for catalog and prices on Drain Tile, Sewer Pipe and other clay goods.
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The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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FLORISTS' SUPPLIES

Largest Stock in the Country

Send for Illustrated Catalogue.

50, 52, 54, 56 No. Fourth Street

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MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F.O. PIERCE CO.
170 Fulton St.,
NEW YORK

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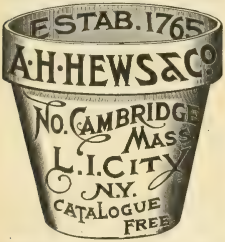

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	Per 100
Asparagus Plumosus, from 2 in. pots	4.00
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Clematis Paniculata, strong, from 4 in. pots	10.00
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C. EISELE, 11th and Jefferson Streets, **Philadelphia, Pa.**

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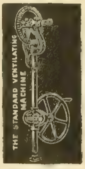

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The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE

Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only **Drip-proof Gutters** made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

Mention the Florists' Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6 00
1000	3 " "	5 00
800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4.51
144	6 " "	3.16

		Price per crate
120	7 in. pots in crate,	$4.20
60	8 " "	3.00
	HAND MADE.	
48	9 in. pots in crate,	$3.60
48	10 " "	4.80
24	11 " "	3 60
24	12 " "	4.80
12	14 " "	4 80
6	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**
Or August Rolker & Sons, New York Agents,
31 Barclay Street, New York City.

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WHY NOT BUY

RED POTS

OF US?

STANDARD SIZE
Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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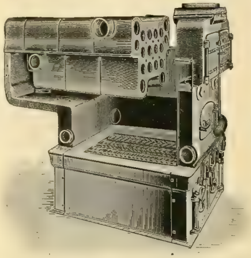
Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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Nineteen Sizes.

Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"
for Slate Tops.

Send 4c. Postage for Illustrated Catalogue

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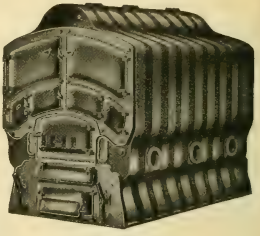
THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.
Designers, Manufacturers and Builders of Horticultural Structures
West Side Avenue South, JERSEY CITY

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STANDARD FLOWER POTS.

THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
U. Cutler Ryerson, 108 Third Ave., Newark, N. J.

PHILADELPHIA, PA., JERSEY CITY N. J.
LONG ISLAND CITY, N. Y.

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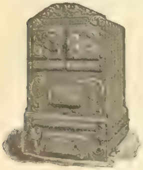
GREENHOUSE GLASS

AT WHOLESALE

GULF CYPRESS

GREENHOUSE MATERIAL



HOT BED SASH

Special Greenhouse Putty

S. JACOBS & SONS
MANUFACTURERS
1365 to 1373 FLUSHING AVENUE
BROOKLYN, N.

Agents for **New Improved Sectional Boilers**

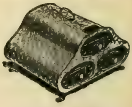
Send 4 cts. stamps for Boiler Catalogue

WE FURNISH EVERYTHING FOR BUILDING

Mention the Florists' Exchange when writing.

LEHMAN'S WAGON HEATERS

Will Protect Plants from freezing in the coldest weather at a cost of one-half cent per hour.



NO DANGER OF FIRE. NO GASES TO INJURE PLANTS.
NO ODOR. NO SMOKE. NO DIRT.

Over 175,000 in actual use every Winter by Florists, etc.

Send for Descriptive Circular and Price List.

LEHMAN BROS.,
Manufacturers,
10 Bond Street, NEW YORK.

JAS. W. ERRINGER
Gen. Western Sales Agent,
297 Wabash Ave., CHICAGO, ILL

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A. HERRMANN

MANUFACTURER OF

Floral Metal Designs

Importer and Dealer in FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE
Between 40th and 41st Streets

Office and Warerooms:
404, 406, 408, 410, 412 East 34th St.

Write for New Catalogue.

NEW YORK

Mention the Florists' Exchange when writing.

Our Gallery of Fine Specimens

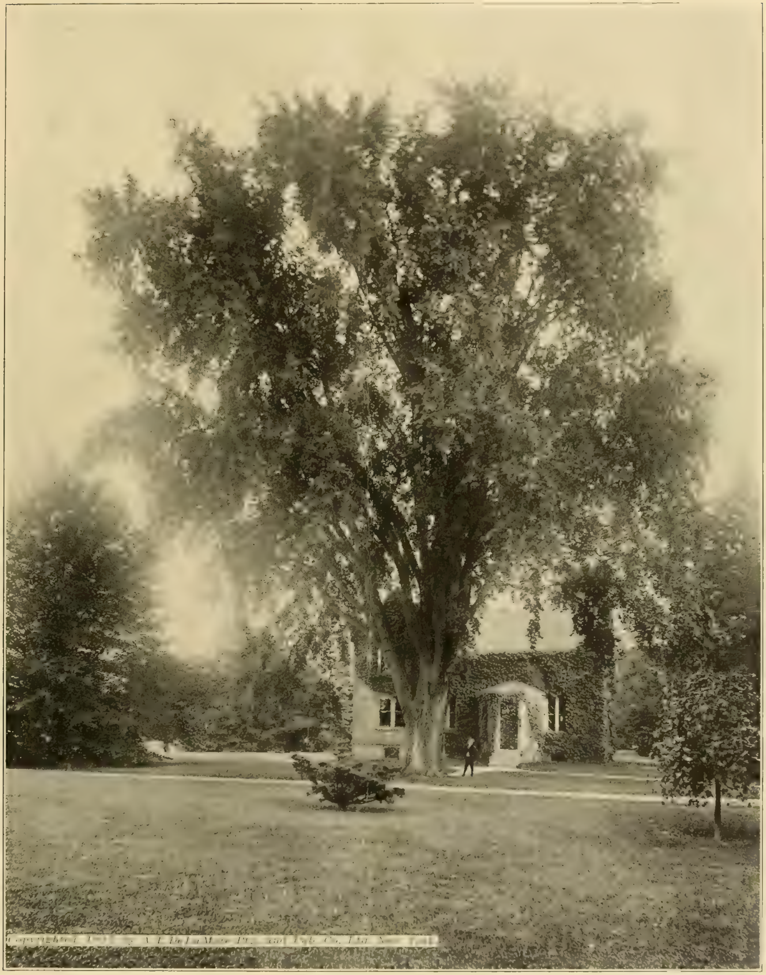
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Plate 46.

ULMUS AMERICANA—THE AMERICAN ELM.

On the grounds of Messrs. Ellwanger & Barry, Rochester, N. Y. Height, 78 feet; spread, 80 feet 4 inches. May be 125 to 150 years old. Ever a renewed delight to all who may perceive in a majestic elm what Michaux has termed "the most magnificent vegetable of the temperate zones."

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 5 NEW YORK, JANUARY 31, 1903 One Dollar Per Year

SPIRÆA FOR EASTER FORCING.

We offer a few cases each of the following sorts as below, as long as unsold. These can be shipped safely by freight, as it will not injure them in the slightest if frozen. There is plenty of time to get them in for Easter, if wanted, and they also make good stock for Decoration Day. Now is the time to lay in a stock before they are all sold.

JAPONICA and COMPACTA MULTIFLORA. Case of 250 clumps for $8.00; in less quantities, $4.00 per 100.

ASTILBOIDES FLORIBUNDA. Case of 250 clumps for $10.00; in less quantities, $5.00 per 100.

JAPANESE FERN BALLS

Best Quality, $25.00 per 100.

The surplus bulb stock recently offered has sold fast, but we can still supply the following, in first-class shape, as long as unsold, at prices named below:

SMALL SIZED NAMED HYACINTHS.

These are splendid for Easter forcing, and are fine for growing in pans or pots. Nothing is more readily salable. Price is very low, and the bulbs are first-class—remarkably good for the low price at which they are offered. They will throw almost as good flowers as the larger and higher-priced bulbs. If you have never flowered these, try a thousand or two. You will be pleased with the results. They cannot fail to make money for you.

The following pink varieties at **only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Baron van Tuyll, Gen. Pelissier, Gertrude, Gigantea, Robt. Steiger and Solfatara.

The following blue varieties at **only $1.50 per 100; $12.00 per 1000** (worth $16.00 per 1000), viz.: Grand Maitre, King of the Blues, La Peyrouse, Chas. Dickens, Blondin, Czar Peter; also Tamerlan (yellow).

The following white varieties at **only $2.00 per 100; $16.00 per 1000** (worth $22.00 per 1000), viz.: Baroness van Tuyll, Grandeur a Merveille, Blanchard, L'Innocence, Mme. Van der Hoop, and Paix de l'Europe.

FINE NAMED HYACINTHS. Single and Double.

We offer a limited stock of the following varieties in first-sized bulbs, at $3.00 per 100; $25.00 per 1000 (worth $35.00 per 1000), viz.: La Peyrouse, Regulus, Tamerlan, Grand Lilas, La Pluie d'Or, Bouquet Tendre, Crown Prince of Sweden, Flevo, Garrick, Grootvorst, Gen. Antinck, King of Wurtemburg, La Tour d'Auvergne, La Virginite, Lord Anson, Lord Raglan, Othello, Prince of Orange, Prince of Saxe-Weimar and Princess Royal.

HYACINTHS IN SEPARATE COLORS.

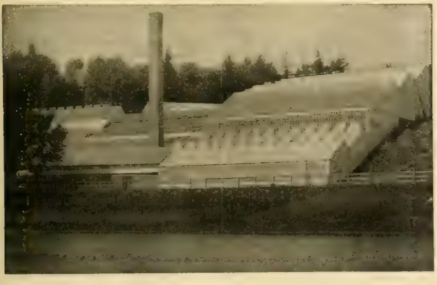
We still have a few of these left in singles and doubles, which we offer as long as unsold at **$2.50 per 100; $20.00 per 1000** (worth $26 per 1000).

TULIPS.

SINGLE and DOUBLE.

Most of the varieties here offered are among the very best forcing varieties, especially for late or Easter forcing, viz.: Bizard Verdict, Couleur Ponceau, La Candeur, Yellow Rose, Lady Grandison, Duke of York, Rose Blanche and Count Leicester, at $5.00 per 1000; Cottage Maid, Joost van Vondel, Brutus, Pæony Red, at $6.00 per 1000; Tournesol, red and yellow, Gloria Solis, Le Blason and Rosine, at $7.00 per 1000; Duc van Tholl, scarlet, and Standard Royal Silver, at $7.50 per 1000, Mariage de ma Fille, at $10.00 per 1000; Proserpine, at $12.00 per 1000; White Joost van Vondel and Rose Luisante, at $20.00 per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



Asparagus Plumosus Nanus

CUT STRINGS, 50 CTS. EACH.

W. H. ELLIOTT, Brighton, Mass.

NEW CROP SEEDS

FLORISTS' FLOWER SEEDS FOR PRESENT SOWING.

ASTERS	Large Trade Pkt.	Oz.
Semple's and **Vick's Branching,** to color, or mixed, red, white, pink, purple, lavender. 4 ozs. for $3.50	$0.25	$1.00
Queen of the Market, to color or mixed, rose, light blue, white. 4 ozs. for $1.75	.15	.50
Victoria (German seed), to color or mixed, white, scarlet, light blue, dark blue, pink...ea.	.25	2.00
Daybreak, fine new pink sort	.25	2.00
Purity, fine new white sort	.25	3.00
ASPARAGUS Sprengeri. Per 100 seeds, 25c.; 1000, $2.00		
ALYSSUM—		
Little Gem, dwarf	.10	.25
Maritimum, tall	.10	.15
AMPELOPSIS—		
Veitchii........Per lb., $1.00		.15
CANDYTUFT—		
Empress, finest white	.10	.20
White Rocket. Per lb. 60c.	.10	.15
CENTAUREAS—		
Gymnocarpa, white foliage	.15	.50
Candidissima, "	.25	1.00
Margaritæ, Giant White Sultan	.25	.75
Odorata, Giant Red Sultan	.15	.50
Suaveolens, Giant Yellow Sultan	.15	.60
CLEMATIS—		
Paniculata. Per lb., $5.00	.10	.40
COBÆA SCANDENS—		
Purple........4 ozs. for $1.00	.10	.30
DAISY (Bellis Perennis)—		
Snowball, White Double	.50	2.50
Longfellow, Red. Double	.50	2.50

	Large Trade Pkt.	Oz.
DRACÆNA INDIVISA— New seed........per lb., $2.50	$0.10	$0.30
IMPERIAL MORNING GLORIES—		
Giant Japanese, lb., $1.50	05	.20
Giant Fringed, " 3.00	.10	.40
LOBELIA—		
Crystal Palace Compacta, dwarf blue	.25	2.50
Erinus, trailing blue	.15	.50
MIGNONETTE—		
Allen's Defiance, the best for indoors. Pkt. 2000 seeds for $1.		
Machet	.15	.50
PANSY, *Non Plus Ultra.* No better mixture in existence	.50	8.00
PYRETHRUM AUREUM—		
Golden Feather	.10	.30
SMILAX, New Crop Seed. Per lb., $3.50	.10	.25
STOCKS—		
Ten Weeks, choice pot-grown seed double flowers:		
Princess Alice, Cut-and-Come-Again	50	3.00
Separate Colors, or mixed red, white, rose, light blue, purple, etc.	.50	2.50
THUNBERGIA—Mixed	.10	.25
VERBENA—		
Mammoth Mixed	.25	1.00

PETUNIA, Choicest Dbl. Fringed. Pkt. 25 seeds for 35c. **Grandiflora, Single Fringed.** Pkt. 500 seeds for 50c.

SALVIA SPLENDENS—
Scarlet Sage, 1000 seeds, 25c.; oz. $1.75
Drooping Spikes, 1000 seeds, .25c.; oz. $1.75

KENTIA SEED That Will Grow. New Crop. Just Received. **Forsteriana** and **Belmoreana,** per 1000, $4.00; per box of 4000 seeds, $14.00.

JAPANESE FERN BALLS

Now Ready for Delivery. Large balls, 20 to 30 inches in circumference, $3.50 per doz; $25.00 per 100, or Full Original Case of 250 each, $60.00.

CLUCAS & BODDINGTON CO.

TELEPHONE, 4390 SPRING. 812-814 Greenwich St., Cor. Jane St., New York City

Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

B. & A. SPECIALTIES

ENGLISH MANETTI, for grafting Tea Roses, $12.00 per 1000.

Ask for Special Trained Fruit Tree Circular.

AZALEAS 5,000 from which to select your stock. In bloom and dormant. See previous ads.

AZALEA MOLLIS, selected plants for forcing, $5.00 per doz.; $40.00 per 100.

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

ENGLISH IVIES, pot-grown $10.00, $12.00, $15.00 per 100. **Specimens,** $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown, for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown, $5.00 per doz. **WISTERIA SINENSIS,** pot grown, for forcing, $7.50 per doz. **AMYGDALUS,** double, white and pink, $5.00 per doz. **JAPAN FERN BALLS,** dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

ROSES Per 100, $10.00; per 1000, $90.00. Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

LILAC (French)

This has been especially grown for forcing, having been disbudded. The flowers can be cut with stems, 3 ft. long. Extra strong bushes, $10.00 per doz.; $75.00 per 100.

FOR FORCING. Pot-grown, $6 a doz.; $45 a 100. **Chas. X, Marie Legraye, Mme. Lemoine.**

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc. two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field grown, extra strong, $4.00 per doz. $30.00 per 100.

GLADIOLUS, Colvillei alba The Bride, pure white, 50c per 100; $4.50 per 1000. **Colvillei rubra,** 50c. per 100; $4 50 per 1000.

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000.

DIELYTRA Spectabilis (Bleeding Heart), extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

		100	1000
SPIRÆA	**Japonica**	$4.00	$35.00
"	**Compacta**	4.50	40.00
"	**Astilboides**	5 00	45.00
"	**Gladstone**	8.00	

JAPAN LILIES. See Wholesale Catalogue.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country.

SEE SPRING CATALOGUE FOR OTHER STOCK.

BOBBINK & ATKINS, Rutherford, N. J.

GLADIOLI

In order that the Florists of the United States may become familiar with the exceptional high quality of **Groff's Hybrid Seedlings** (genuine) and as an incentive for them to purchase a trial lot of this stock, I have concluded to submit the following offer:

For $25.00, cash with order, with mention of this advertisement, sent prior to February 12th, I will send

1,000 GROFF'S HYBRID SEEDLINGS, Blooming Bulbs,

together with your choice of the following, gratis:

500 May Gladioli **350 Burbank's California Select**
300 Smoky and Slaty Hybrids **500 Mixed Lemoine**

Under this arrangement, orders sent in the same manner to the following seedsmen will be honored by them and executed here the same as if sent direct to me:

Henry A. Dreer, Inc., Philadelphia, Pa.
D. Landreth & Sons, Philadelphia, Pa.
Wm. Henry Maule, Philadelphia, Pa.
Jos. Breck & Sons Corp., Boston, Mass.
Stumpp & Walter Co., New York
Conard & Jones, West Grove, Pa.
W. W. Barnard Co., Chicago, Ill.
Henry F. Michell, Philadelphia, Pa.
Johnson & Stokes, Philadelphia, Pa.
Schlegel & Fottler Co., Boston, Mass.
W. W. Rawson & Co., Boston, Mass.
Bobbink & Atkins, Rutherford, N. J.
Walter Mott Seed & Bulb Co., Jamestown, N. Y.
Northrup, King & Co., Minneapolis, Minn.

ARTHUR COWEE
MEADOWVALE FARM, BERLIN, N. Y.

DREER'S SUPERB ASTERS

While we take great pains to secure only the choicest strains of all Flower Seeds, we take extra care with our Asters, and we are confident that they are unequaled for quality.

QUEEN OF THE MARKET.

The best early-flowering Aster, fine long stems.

	Trade pkt.	Oz.
Pure white	$0 20	$0 60
Pink	20	60
Purple	20	60
Crimson	20	60
Finest mixed	15	50

COMET.

A splendid mid-season Aster, flowers large, graceful and splendid for cutting.

	Trade pkt.	Oz.
Carmine	$0 30	$1 50
Dark blue	30	1 50
Light blue	30	1 50
Peach-blossom pink	30	1 50
Deep rose	30	1 50
Grant, white	30	1 25
The Bride, white, shading to rose	30	1 25
Finest mixed	30	1 25

PÆONY PERFECTION.

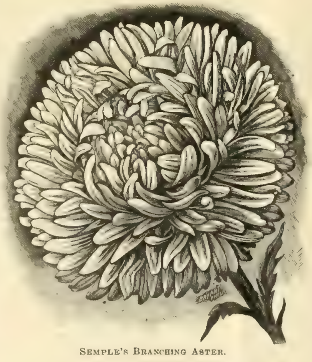
A first-class mid-season Aster, flowers incurved, very large

	Trade pkt.	Oz.
Crimson	$0 30	$1 25
Light blue	30	1 25
Purple	30	1 25
Bright pink	30	1 25
Pure white	30	1 25
Finest mixed	25	1 00

BRANCHING PÆONY-FLOWERED.

An excellent mid-season Aster, flowers very large, incurved, good stems.

	Trade pkt.	Oz.
Crimson	$0 30	$2 00
Peach-blossom pink	30	2 00
Dark blue	30	2 00
Finest mixed	30	1 50



SEMPLE'S BRANCHING ASTER.

NOW IS THE TIME

to sow Ageratums, Centaureas, Lobelias, Petunias, Pyrethrum, Vincas, Verbenas, etc., etc.

For complete list, see our Wholesale Price List. Free to florists.

SEMPLE'S BRANCHING.

This is the finest late-flowering Aster. Produces flowers as large as Chrysanthemums on long, strong stems.

	Trade pkt.	Oz.
Pure white	$0 25	$1 00
Shell pink	25	1 00
Deep purple	25	1 00
Lavender	25	1 00
Crimson	25	1 00
Finest mixed	25	75

VICTORIA.

A grand mid-season type. Flowers large, beautifully imbricated; fine for making up.

	Trade pkt.	Oz.
Peach-blossom pink	$0 30	$1 75
Dark scarlet	30	1 75
Light blue	30	1 75
Purple	30	1 75
Pure white	30	1 75
Rose, tipped white	30	1 75
Finest mixed	30	1 50

Various Asters for Florists.

All of the following are fine sorts and are well worth growing.

	Trade pkt.	Oz.
DAYBREAK—		
A fine soft pink	$0 40	$2 50
MIGNON—		
A small Victoria, mixed	30	1 25
OSTRICH FEATHER—		
White	30	1 50
Pink	30	1 50
ROSE FLOWERED—		
Scarlet	30	1 50
Mixed	30	1 25
VICK'S BRANCHING—		
White	25	1 00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

New Crop 1902 Now in Stock.
Really Produces Mushrooms

VAUGHAN'S
MUSHROOM
SPAW

We supply the largest growers. Per 100 l
$6.00 f.o.b. New York; $6.50 f.o.b. Chicag

WRITE FOR PRICES ON QUANTITY.

VAUGHAN'S SEED STORE
84 Randolph St., Chicago. 14 Barclay St., New Y

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Established 1802.

Thorburn's Seeds

For over a hundred years have bee universally recognized as the standard o excellence.

Our Catalogue for 1903 is now ready an will be mailed free on application We handl only the very highest class seeds, making specialty of choice flower seeds for florists, an selected vegetable seeds for market gardeners For nurserymen we have a very full line o native and foreign tree and shrub seeds and fu lines of hybrid French Gladioli, Japan Lilie and Irises, etc. Our general descriptive cata logue, the handsomest, most complete and most reliable published, will also be mailed free t parties interested.

J. M. THORBURN & CO.
36 Cortlandt St. New Yor

Mention the Florists' Exchange when writing.

Burpee's Seeds, Philadelphia

A postal addressed as above will bring you **Burpee's Farm Annual for 1903**,—if you intend to buy Burpee's Seeds,—otherwise the price is ten cents, which is less than cost per copy in quarter-million editions. It is an elegant book of 184 pages, besides beautiful colored plates, and tells the plain truth about the Best Seeds that Grow. Better write **TO-DAY!** Do not Delay!

BLUE LIST OF WHOLESALE PRICES mailed only to those who plant for profit.

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNI

SEED TRADE REPORT

The House has passed the Agricul- ral Appropriation Bill, which pro- des for an increase of the appropria- on for free seeds from $270,000 to 00,000.

European Notes.

The wind, which is not so unkind as an's ingratitude, has proved itself a od second during the past week, and fe of all sorts is being fairly nipped p. Practically the whole of Europe orth of the Alps is in a stiff state of eeze, and as there have not been ny falls of snow in the seed producing nters the plants are having a pretty ad time. Already the broccolis look ke folding their tents and departing, nd of the remainder of the brassicas nly the Savoys maintain themselves nhurt. Your readers shall know the nal results in due course; at any rate, means a certain amount of destruc- on, which is bad. No part of the sea- on is so perplexing to the seedsman as e time when the clearing up ship- ents have to be made. So many ources of supply have to be looked up, nd some delay is practically inevit- ble. EUROPEAN SEEDS.

"Everything for the Garden."

Among the many catalogues which ach our desk none excites greater ad- iration than that of Peter Henderson Co., of New York, the familiar Everything for the Garden." This ear the catalogue comprises over 188 ages, enclosed within beautifully em- ossed covers and replete with up-to- ate information on all that is newest nd best in horticultural lines. The atalogue is profusely illustrated with andsome half-tone and woodcut pic- ures, besides embracing very natural epresentations in color of vegetable ollections, hollyhocks, sweet peas, oneysuckle, Crimson Rambler roses, collection of the newest everbloom- ng roses, etc. This firm, from its arliest days, has had the happy fac- lity of applying catchy popular names o plants. This year we note Nepro- epis Piersoni has been styled the ostrich plume" fern, a not altogether nappropriate designation and one sure o take. The price of the catalogue is 0 cents.

CATALOGUES RECEIVED.

M. CRAWFORD COMPANY, Cuyahoga alls, O.—Catalogue of Strawberry Plants.

MOORE & SIMON, Philadelphia.—Cata- ogue of Seeds, Supplies, etc.

CHAS. H. ROWE, Philadelphia, Pa.— llustrated Catalogue of Seeds for Market ardeners, Florists and Farmers.

J. ROSCOE FULLER & CO., Floral ark, N. Y.—Illustrated Catalogue of lower and Garden Seeds, etc.

THE CONARD & JONES CO., West Grove, a.—Roses and Cannas, Specialties.

F. DORNER & SONS CO., LAFAY- TTE, IND.—Descriptive Price List of arnations; Rooted Cuttings a Specialty.

SOUTHERN ILLINOIS NURSERY (W. W. Thomas, proprietor), ANNA, ILL.—Wholesale Price List of Strawberry Plants.

HENRY PHILIPPS SEED & IMPLEMENT CO., TOLEDO, O.—Catalogue of Garden, Field and Flower Seeds, Supplies, etc.

JOHN LEWIS CHILDS, FLORAL PARK, N. Y.—Illustrated Catalogue of Rare Flowers, Vegetables and Fruits, with comprehensive lists of Novelties; also Trade Price List of Gladioli, Lilies, Iris and other Bulbs and Plants.

HENRY SAXTON ADAMS, JAMAICA PLAIN, MASS.—Catalogue of Flower and Vegetable Seeds, Trees, Shrubs, Plants, etc.

FRIEDR. C. POMRENCKE, ALTONA-HAMBURG, GERMANY.—Price List of Flower and other Seeds.

J. A. McDOWELL, CITY OF MEXICO.—Price List of Orchids, Cacti, Bulbs.

JAMES VICK'S SONS, ROCHESTER, N. Y.—Garden and Flower Guide. A comprehensive catalogue, profusely illustrated. Colored plates of vegetables and dahlias are furnished. Asters a specialty.

The Deming Catalogue.

The 1903 catalogue of the Deming Company, of Salem, O., is just off the press. As usual, our readers will look to it to exemplify in practical form the latest ideas in spraying orchards, vines, potatoes, shrubbery, etc. It includes hand, bucket, knapsack, barrel, mounted and power sprayers. In certain sprayers of their line, notably the Century, Simplex, Peerless and Success knapsack sprayers, the mechanical agitation of the liquid, insuring perfect mixing of poison with the water, is worked out to a nicety. The wide adaptability and general usefulness of the line cannot be realized without perusing the catalogue. As usual, it will be mailed free to anyone writing for it.

XXX SEEDS

erbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.

ineraria. Finest large-flowering dwarf. 1000 seeds, 50c.

yclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50c.

hlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.

lyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.

hinese Primrose. Finest large-flowering fringed varieties, mixed; single and double. 500 seeds, $1.00; half pkt., 50c.

ansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00; half pkt., 50c.

RISH SHAMROCK Strong plants, $5.00 per 100; or 70 cts. per doz., by mail.

CASH. Extras added to every order.

OHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

30,000 DAHLIAS

Whole field-grown clumps, $4.00 per 100; $36.00 per 1000. Send for list, we can save you money.

A. B. DAVIS & SON, Purcellville, Va.

DAHLIAS.

25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

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MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

EXTRA CHOICE **FLOWER SEEDS**

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower
Quedlinburg, Germany

Mention the Florists' Exchange when writing.

NEW CROP FLOWER SEEDS

ASPARAGUS SPRENGERI New Crop Home Grown. 100 seeds, 15c.; 500 seeds, 70c.; 1000 seeds, $1.25.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped, oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed...	$0 40	$3 00
Cobæa Scandens.......... ...	30	2 50
Centaurea, Marguerite, choiced mixed..........	50	
Centaurea, Imperialis, choice mixed	40	
" Chamelon..........	60	
Double Morning Glory, White Tassell..........	40	4 00
Eschscholtzia, The Golden West ...	30	3 50
Hunnemannia, Bush Eschscholtzia.	30	3 50
Geranium, Good Venture, magnificent large flowers, grand mixed. ....Per pkt., 25c.	3 50	
Geranium, choice mixed.	2 00	
" good mixed...	35	
Heliotrope, choice mixed.....	40	4 75
Romneya Coulteri, Matilija Poppy..	50	6 50
	100 seeds.	1000 seeds.
Farfuguim Grande..........	$0 50	
Geranium, double, grand mixture..........	50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed..........		25
Petunia, double fringed, choice mixed..........		70
Phormium Tenax, Colensoi, variegata		1 00

Mention the Florists' Exchange when writing.

RAWSON'S Arlington Tested Seeds

W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON MASS

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

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HYBRID CARNATION SEED

—— :: MIXED. :: ——

From Mrs. Lawson, Gov. Roosevelt, Wolcott, Violiana, Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

We have bought the entire stock from

SUZUKI & IIDA

They are the best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

New Crop—COCOS WEDDELIANA SEED
Per 1000, $8.00; per 5000, $35.00

STUMPP & WALTER CO.
50 BARCLAY STREET
NEW YORK
Branch Store
404 E. 34th St., N. Y.

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

Send for Prices

HELLER & CO.
MONTCLAIR, N. J.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR GLADIOLI

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock of **Gladiolus** in the world."

We List Over 200 Named Kinds.

		100	1000
POPULAR.........	Mixed	$0.80	$7.00
ALL COLORS	"	1.00	9.00
CHILDSI..........	"	1.75	15.00
LEMOINE'S........	"	1.50	10.00
WHITE AND LIGHT.	"	1.50	12.00
SCARLET AND RED	Mixed	$1.00	$7.00
PINK..............	"	1.25	10.00
BRENCHLEYENSIS.		.75	6.00
CERES............		1.00	8.00
LA MARCK........		3.00	15.00

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Special discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS, Floral Park, New York

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Uuion County Nurseries, HIRAM T. JONES, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

FINE GRAFTED **ORANGES** BEARING SIZES

12 in., Bushy, from 4-in. pots .... $20 00 per 100
15-18 in., " " " . 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots . $20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots....... $20 00 per 100
18-24 in., " " " ...... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each

ROSES.

Climbing Clothilde Soupert,
Strong field-grown . ... $10 00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in pots .. ...$8 00 per 100

FICUS ELASTICA (Top Cu t t

10-12 in ....$20 00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch lvs., 3-in pots..........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots ....$15 00 per 100
(Not less than 40 of a class at 100 rate)

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts .$15 00 per 1000

CITRUS TRIFOLIATA

Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in $8 00 per 1000
(Not less than 400 of a class at 1000 rate)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta, Ga.
(Established in 1856.)

Mention the Florists' Exchange when writing.

WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce, etc., specialties. Only house dealing exclusively in these goods. Correspondence solicited.

Archdeacon & Co., 100 Murray St., N. Y

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
Geneva, N. Y.

WHOLESALE GROWERS OF

Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and **Small Fruits** in great variety.

Send for our Wholesale Price List.

Mention the Florists' Exchange when writing.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 25c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Tennis Ball, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Almost half a century of fair dealing has given our products that prominence which merit deserves. We still offer everything of the best for

ORCHARD, VINEYARD, LAWN, PARK, STREET, GARDEN & GREENHOUSE.

Correspondence solicited. Catalogue and Trade List free. 49 years, 44 greenhouses, 1000 acres.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut, Hill Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

CANNA ROOTS

Home grown, strong roots, 2 and 3 eyes each, in perfect condition and strictly true to name. 25 of a variety at 100 rates; 250 of a variety at 1000 rates.

	100	1000
Admiral Senley, 3 ft., red	$5 00	
Allemania, 6 ft., gilt edge	2 50	
Austria, 6 ft., yellow	2 00	
Buttercup, 2½ ft., yellow	4 00	
Chas. Henderson, 3 ft., red	2 00	$15 00
CRIMSON BEDDER, 3 ft., best red	2 50	20 00
Egandale, 4 ft., bronze	3 00	25 00
Florence Vaughan, 5 ft., yellow	2 50	20 00
Golden Bedder, 2½ ft., yellow	2 50	20 00
J. D. Cabos, 4½ feet, bronze	2 50	20 00
J. T. Lovett, 5 ft., red, best foliage	2 50	20 00
Leopard, 4½ ft., yellow spotted	3 00	
Mme. Crozy, 3½ ft., gilt edge	2 00	18 00
Mme. Molin, 3½ ft., red	2 50	
Midway, 4 ft., red	$2 50	
Mrs. Eisele, 6 ft., apricot	3 00	$25 00
Mrs. Kate Gray, 6 ft., red	6 00	
Olympia, 3 ft., red	3 50	
Paul Bruant, 4 ft., red	2 50	
Pennsylvania, 6 ft., red	8 00	
Pres. Carnot, 4 ft., bronze	2 50	20 00
Pres. McKinley, 3 ft., red	2 50	20 00
Pluto, 3 ft., bronze	2 50	
Queen Charlotte, 4 ft., gilt edge	2 50	20 00
West Grove, 4 ft., coral pink	5 00	
White Lady, 5 ft., white	3 00	
Zebra, 4 ft., yellow and brown	5 00	
MIXED, dwarf or tall, all colors mixed	1 50	12 00

Circular, describing each variety, mailed free. Prompt delivery

CASH WITH ORDER.

J. T. LOVETT, Little Silver, New Jersey

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company
Continental Nurseries, **Rochester, N. Y.**

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When in Europe come and see us and inspect our extensive Nurseries. **Gouda** is our **railroad depot.**

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

HARDY ORANGE

(Citrus trifoliata)

Extra fine stock for mailing; 8 to 18 inches in height, $10.00 per 1000; $2.00 per 100.

FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.

SEND FOR LIST.

JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

In Fine, Healthy Condition.

PLEASE ASK FOR OUR CATALOGUE.

ENDTZ, VAN NES & CO., Boskoop, Holland.

Mention the Florists' Exchange when writing.

Surplus Nursery Stock

Apple,
Norway Maple,
Abundance,
Peach,
Irish Juniper,
Hale Plum.

Address

C. L. LONGSDORF, Adams County, **Floradale, Pa.**

Mention the Florists' Exchange when writing.

HYDRANGEAS

$7.00 per 100.

Otaksa Thos. Hogg

Strong out-door plants with 3 to 5 flowering crowns. Suitable for 6-in. or 7-in. pots.

JACKSON & PERKINS CO.
Newark, New York

Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

CHICAGO, ILL.—The business of P. S. Peterson & Son will be conducted in future under the style of Peterson's Nursery.

HARRISBURG, PA.—The State Horticultural Association has selected Lancaster as the next place of meeting, and elected the following officers: President, Howard A. Chase, of Philadelphia; vice-presidents, Gabriel Hiester, of Harrisburg; Hon. W. T. Creasy, of Catawissa; D. C. Rupp, of Shiremanstown; recording secretary, Enos B. Engle, of Waynesboro; corresponding secretary, William P. Brinton, of Christiana; treasurer, Edwin W. Thomas, of King-of-Prussia, Montgomery County.

KALAMAZOO, MICH.—The officers and employees of the Central Michigan Nursery, to the number of one hundred, with their wives, were the guests of the concern at a dinner given on January 20. The officers of the company are: President, W. E. Upjohn; vice-president, J. W. Rose; treasurer and general manager, Charles A. Maxson; secretary, C. A. Krill; manager greenhouses, W. C. Cook; superintendent of Three Rivers branch, C. C. Nash; landscape artist, E. C. Foster.

Practical subjects appropriate to the occasion were treated by the speakers, among whom were Charles A. Maxson, who responded for the management; Fred W. Remington for the employees of the Central Michigan Nursery; C. A. Krill for the nursery salesmen; W. C. Cook for the greenhouses, and E. C. Foster for landscape gardening. The Morning Gazette-News devotes almost a page to the proceedings, which were of a most enjoyable nature.

EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***

Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

W. MAUGER & SONS, Guernsey, England.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

Early Blooming of Magnolia Stellata.

In the vicinity of Philadelphia, in 1902, many bushes of Magnolia stellata were displaying expanded flowers before the close of March, and, too, on bushes standing out quite alone on open lawns. It seems an earlier date than has been before recorded. On the 29th of March flowers were expanded. This is a useful and beautiful species. Before expanding, the buds are pink, the flowers appearing white when fully open, and they are sweet-scented and semi-double. This magnolia is of dwarf, bushy growth. The opening of the first buds this season will be watched for with much interest.

Tree Tomato.

Mr. Ernest Braunton, Los Angeles, Cal., referring to the note on the tree tomato which recently appeared in these columns, says in the California Cultivator:

"The tree tomato is Cyphomandra betacea, sometimes known as solanum, from which it differs but slightly in floral structure. It is a native of Brazil and a great favorite in tropical and sub-tropical countries. In California it is highly esteemed, and in practically frostless localities is quite well-known. When well cared for it bears an immense crop of medium-sized pear-shaped tomatoes of an orange red color, richer in taste and firmer in flesh than the ordinary tomato. For the latter reason it would prove far superior to the herbaceous tomato as a shipper. We have never known a person who grew it that did not prefer it to the ordinary sorts. For the frostless belt of South Africa it would be a fine thing, for in Europe there are ranges of glass houses especially for forcing this fruit."

Our thanks are tendered Mr. Braunton for the marked copy sent us containing the foregoing extract.

Tap Roots of Fruit Trees.

Nurserymen's customers frequently complain that the fruit trees furnished them, especially those of the pear, are lacking the tap roots, or those of a strong nature which have descended well down into the soil. It is the custom of the trade to sever these roots in digging, leaving them of about a 12-inch length. The complaining customer is generally astonished when told that the cutting of these roots is good practice, so considered. What is wrong, is to let the purchaser take away the tree before the roots have been cut to a clean, smooth surface at their ends. They are nearly always in a bruised condition, which is much against their well doing.

It is somewhat singular that while purchasers, usually, and not uncommonly gardeners, like to have strong descending roots, the old world gardeners, from whom we receive our A B C in matters horticultural, are so opposed to these very roots, that they go from tree to tree in their gardens undermining them and severing these tap roots wherever found. Their belief is, that these roots are opposed to fruitfulness, that even when trees do bear that have them the fruit is not as good as it should be, and that to have perfect fruit of the best quality well fed surface roots are required.

Our hot soil in Summer suggests that roots are not to be encouraged too near the surface, especially in the case of pears, unless when they are on a lawn; but evidence is not wanting that deep rooting fruit trees are not as satisfactory as others.

Trumpet Vine Not Flowering.

A reader of The Florists' Exchange asks why his plant of Bignonia radicans does not flower. It has been planted to a stable wall since six years ago, and though still growing well and spreading, it has not bloomed. Six years is rather a long time to wait for flowers, but it is evident that the plant feels it has not accomplished its mission in quite covering the wall, and that it is bound to do this before it flowers, as many a vine has done before it. It has been observed so often that it may be deemed law that, while growth is progressing vigorously there will be but little flowering. Whenever vines have "a free foot" they rarely bloom until reaching the extent of what there is to cover. Starve them, or wait until the space is covered by them, and flowering will follow.

It is the same with plants in pots, shrubs and trees of all kinds. The fruit tree making a heavy growth demands that we wait later for its fruit. It must grow well first. So our friend who has the trumpet vine must have patience until the vine has covered the stable wall. It will then turn its attention to flowering.

Pavia Rubra.

Of the various species of pavias, or buckeyes, the yellow one, P. flava, and the dwarf one, P. macrostachya, are not uncommon, but to see the red one, P. rubra, in collections is rare. Though the type is red-flowered, there are varieties of it, some almost yellow, and when collectors send on seeds of it from the southwest, generally the seedlings raised come of various colors. It is well worth growing, being in shape and habit between the two others mentioned; its growth, in height, about six to eight feet. But in the case of the varieties mentioned, some are quite dwarf, little fellows of but two feet having been known to flower freely.

American Oaks in Europe.

A writer in a French horticultural journal notes that American species of oaks are rarely seen in gardens and plantations, with the exception of Quercus rubra, Phellos and macrocarpa.

This seems a singular statement in view of the fact that acorns of all our available species have been sent to France for years past. In fact, nearly all the leading species can be found listed in the catalogues of French nurserymen, obtainable by the thousands in seedling and other sizes, and it must be a mistake that sorts other than those named are not to be met with in French gardens and plantations.

Oaks as Shrubs.

The growing popularity of oaks for ornamental and timber planting is something to be much appreciated by all. What a large and worthy assortment those of our own country consists of! The difficulty that once confronted the planter in the way of getting oaks to live when transplanted does not exist to-day, as the requirements of these trees are better known. Close pruning, with attention to safeguards applying to all trees when transplanted, almost assures success in the case of oaks.

A great curiosity on the few lawns possessing them are the shrub oaks. From our earliest years we all are possessed of the idea that an oak becomes a monstrous tree. To see a little fellow, one, two or three feet high, fully developed and bearing a full crop of acorns, is most astonishing to those who see such for the first time, and as a great curiosity all collections of shrubs should include one.

The most common is the Quercus ilicifolia, the one so abounding in the wastes of New Jersey. Little bushes of two to three feet bear acorns abundantly. Then there is another, growing in the same locality, the Q. prinoides, called dwarf chestnut oak because its leaves are like those of the large chestnut oak in many particulars. Botanists say this is in height two to four feet, but I have seen them ten feet at times.

The black jack oak, Quercus nigra, often exists in a dwarf form. I have seen them all the way from two feet to thirty feet, seemingly in perfection of growth, the smallest, two feet, being full of acorns.

In the South there is a small oak tree called Q. cinerea, of which there is a dwarf form called Q. pumila, said to be the smallest oak known. I have never seen it, but its height is given as from one to three feet, rarely three, and it bears a profusion of acorns when of but fifteen to twenty inches high. If its acorns are like those of the type, they are handsome; for those that I have seen of Q. cinerea are of good size, and of a deep shining black color.

JOSEPH MEEHAN.

FIRMS WHO ARE BUILDING.

MARLBORO, MASS.—Winthrop L. Lewis is building a large greenhouse.

WESTFIELD, MASS.—S. E. Barton will erect a large greenhouse.

SAN FRANCISCO, CAL.—Gustave Gagne is building a large greenhouse.

F. Gonzalez will build three houses for miscellaneous stock.

SAN MATEO, CAL.—Fick & Faber have built a range of greenhouses to be devoted to carnations. A large stock of the variety Miss Louise Faber has been planted.

The Late P. S. Peterson.

The funeral services over the remains of Peher S. Peterson, the Chicago nurseryman, were held in Rosehill Memorial Chapel, Wednesday, January 21. The following tribute to the memory of the deceased gentleman was paid by the officiating clergyman.

The tremendous energy and the personal force displayed throughout these years is witnessed by the fact that seven-eighths of the trees in Chicago parks and boulevards were either grown in his nursery or removed by him from their native forest homes. To him belongs the distinction of being the first man in America to institute and prosecute the business of removing large trees.

More beautiful and more grateful to the eye than polished shaft or mausoleum these noble trees and shrubs in living green stand as a monument to testify that his strenuous life was not lived in vain. . . .

It was his love for flowers and plants and trees that made his life-work a congenial one to him. . . . It was this passion that gave him his unbounded admiration for the great Swedish naturalist Linnæus, the originator of systematic botanical classification, and caused him to become the originator and prime mover and chief giver in the erection of the monument to Linnæus in Lincoln Park, and led him to present a bas relief statue of Linnæus of heroic size to the Art Institute of Chicago.

THE LATE PEHER S. PETERSON.

. . . . As wealth increased his heart turned with increasing love and with generous purpose towards his native land. During the World's Fair he conceived the idea of establishing a permanent Industrial Museum of all the world's tools, and as a result there stands now in Stockholm a permanent exhibit of "Arts and Crafts." He sent hundreds of copies of the little book "Black Beauty" to be given to Swedish children. He founded an Idiot Asylum in such a way as to provide that the inmates might have a fresh air Summer home in the country, and sent over 1,000 crowns yearly to be distributed to the poor of the district of his old parish home.

In the year 1893 the king of Sweden made him a knight of the Vasa Order, an honor conferred only on civilians who bring honor and distinction to their native land.

Mr. Peterson was married to Miss Mary A. Gage, of Boston, Mass., in October, 1865. He is survived by his widow and their son, William A.

Horticulture in the Klondike.

Mr. Dailey, a market gardener of Dawson, says there is a great craze in that section now for flowers. He is building a greenhouse on a small island at the mouth of the Klondike. Mr. Dailey says $100,000 worth of home-grown vegetables were sold in the Dawson markets last season and $20,000 worth of flowers. He believes the interior will from now on supply its own garden truck, and owing to the shortness of the season prices will always be high.

ROSES

As the days have begun to grow longer the plants will require more food. If they are in good condition it will be noticed they are breaking freely, and in order that the growth be strong and healthy, manure should be applied. In liquid form it is no doubt the best, but most growers seem to prefer a good mulch of but partly decomposed cow manure. Put it on when the beds are a trifle dry, on a clear day, when there is a little air on, and water it well in. There will then be no danger of burning the foliage. In spreading the manure, great care should be taken that no young shoots that may be coming up out of the ground are broken, as sometimes they appear two or three inches away from the plant and by a careless man considerable damage can be done.

Keep the plants tied up well and disbudded, as the stems will thus be straighter and longer.

Red spider will soon be making its appearance, and nothing but thorough syringing will keep this pest in check. Greenfly also will soon become troublesome, and as fumigating at this time is not to be permitted, especially if there is a crop of buds showing, fresh tobacco stems should be strewn in the walks; or, better still, tied in chicken wire and hung under the benches, as described in these pages some time ago.

Propagating will now have to be attended to if the plants are wanted from 4-inch pots early in June. The sand for the cutting bench should be clear and gritty, free from all matter liable to create fungus. Two eye cuttings are the best, and each cutting should be cut close to the eye. They will thus root much more evenly. Blind wood, if not too hard, is really the best and cheapest to use. The term "blind wood," however, is not applied to plants that just grow, throwing stems of enormous length without showing any buds. Such plants should be thrown out, as they seldom produce any flowers. It should be borne in mind that upon the quality of the young stock much of the future success depends, therefore, the cuttings should be made only from healthy plants.

If possible, the temperature of the sand should be kept at from 60 to 64 degrees, with the air above about ten degrees cooler, at no time allowing a draught to strike the cuttings.

It would not be amiss to bring in some soil, if it is frozen, so as to have it in shape for potting. A large number of plants is often lost by being potted with soil that is wet and almost at the freezing point.

J. F. R.

CHANGES IN BUSINESS.

BATTLE CREEK, MICH.—L. Cole is the successor of McCrea & Cole.

BRIDGEPORT, CONN.—Julius Reck, formerly of Villa Nova, Pa., is now located here at 25 Ashley street.

TORONTO, ONT.—The Toronto Floral Co., Limited, is organized with a capital of $25,000 and head office in Davisville.

LACONIA, N. H.—J. S. Power has bought the store at 426 Main street and will run it in connection with his florist business.

DANVILLE, ILL.—W. A. Duke has sold his stock and has leased his greenhouses both in this city and Tilton for a term of years to Messrs. Peterson and Kellsner, of Chicago.

CHICAGO, ILL.—The Worcester Conservatories have been incorporated; capital, $50,000; to deal in and grow horticultural products; incorporators, C. P. Wilson, F. Z. Marx, J. P. [illegible].

SAN FRANCISCO, CAL.—Dominic & Co. have bought out the business of George Lyon, 211 Sutter street. C. E. Antonini, a partner, will be in charge of the store.

Eugene Gregory started in business here at 630 Cambridge street shortly before Christmas.

Augusta, Me.

G. P. Sanborn has given up his greenhouses permanently, the high price of coal influencing his decision. He is now operating a retail store in this city. Mr. Sanborn strongly protests against the advanced express rates, and with others, hopes relief may be forthcoming soon.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets**, $10.00 per 1000.

Madeira Roots and **Gladioli**, $1.00 per 100.

Tritoma Uvaria, strong field roots, $6.00 per 100.

Shrubs and Vines. Send for List.

CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing

50,000 CANNAS

In ten best standard varieties.

Chrysanthemum. Stock plants. Robinson, Merry Monarch and Bonnaffon.

Latanias, 2½ in. pots, 15 in. high, 5-8 leaves, $2.50 per 100.

Biota Nana Aurea, 8-10, 18-24 in. high. Prices upon application.

GEO. JUST, Jacksonville, Fla.

Mention the Florists' Exchange when writing.

5000 Cyclamen Persicum Giganteum,

	Per 100
In separate colors, once transplanted	$2 50
Out of 3-in. pots	5 00
5000 Vinca Major fol. variegata, R. C.	1 00
" 4-in. pots, extra strong	8 00
Canna Roots, Henderson, Bouvier, Austria	3 00
" " Black Beauty (best bronze)	10 00

Hydrangea Otaksa, all sizes; rooted cuttings, dormant and pot-grown. Write for prices.

P. STIER, Cor. 53d St. and Boulevard, **Bayonne, N. J.**

Mention the Florists' Exchange when writing.

Cinerarias

In bud and bloom, 5 in., $1.50 per dozen.

Calceolarias, 2¼ in. $3 per 100; 3 in., $5 per 100.

Primroses, in bud and bloom, 4 in., $5.00 per 100.

Genistas, in bud and bloom, 4 in., $1.50 per doz.

" " " " 5 in., 2.00 "

Unrooted Carnation Cuttings—Dorothy, Mrs. Lawson, Cressbrook, Gaiety, Oriole, Challenger, Norway, Queen Louise and Sylvia, $1.50 per 100, $10.00 per 1000.

WHITTON & SONS. Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

SPECIAL!!

Selaginella Emil, 2½ in. 2 cts.

Verbena. 10 fine sorts, 2 in., $1.25 per 100. Rooted cuttings, 40 cts. per 100.

Petunia. Double Fine, 15 sorts, 2 in., $1.75 per 100. R. C., $1.00 per 100.

GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.

DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SWAINSONA ALBA, 2 in., 2 cts.

VINCA, Green, R. C., 50 cts. per 100.

HARDY PINKS, 8 kinds, R. C., 75 cts. per 100. Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A. Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant.

Rose, Nutmeg, Balm and other scented kinds.

MISCELLANEOUS PLANTS

	2¼-IN. POT, PER 100
Alyssum { Giant Double and Dwarf Double, }	$2.00
Swainsona Alba	2.00
Lemon Verbena	2 50
Ageratum { Stella Gurney and Dwarf White }	2.00
Abutilon, in Variety	2.50
Alternanthera, in Variety.	2.00
Coleus, in Variety	2 00
Lantana, 10 Varieties	2.00
Smilax	2.00
Salvia Silver Spot, Bonfire and Splendens	2.00
Fuchsias, in Variety.	3.00
Forget-me-not, Large Flowering, Blue, from 2½ in. Pots. $2 50 per 100.	
Hardy English Ivy.	2 00

(Rooted cuttings, of Hardy English Ivy, 75 cts. per 100; $5.00 per 1000.)

CASH WITH ORDER.

See our full page advertisement in Christmas Number, December 6.

R. VINCENT, JR., & SON
White Marsh, Md.

Mention the Florists' Exchange when writing.

Marie Louise Violet Plants

(Grown by Alfred Whittley)

from clean, vigorous prize-winning stock. Eight prizes in two years. Orders now received for March or later delivery. Write at once for prices.

A. W. WILLIAMS, Highland, N. Y.

Mention the Florists' Exchange when writing.

LET US QUOTE

you prices on the following cuttings:

Vincas, Geraniums, Carnations, Salvia, Etc.

Also Asparagus Plumosus from 3-in. pots.

B. FRANK BARR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

IMPATIENS
THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

ASPARAGUS SPRENGERI

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

ROOTED CUTTINGS

Send for List, Fine Stock.

CENTRAL MICHIGAN NURSERY,
Kalamazoo, Mich.

Mention the Florists' Exchange when writing.

Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C	1 25
STROBILANTHES DYERIANUS, R. C	$1 25 and 1 50
GAZANIA SPLENDENS, R. C	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and AUSTRALIS, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONIA GALE, alba and rosea	1 25

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection	$2 00 per 100;	$15 00 per 1000
Strong pot plants	3.00 "	25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud .... $8.00 per 100

STRONG, HEALTHY CARNATIONS FIELD PLANTS

For prices and varieties see last week's Exchange.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong.	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney.	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white.	2 00	15 00
Salvias, Splendens, Bedman, etc.	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Bonnot, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Poitevine, $15.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS Coleus Petunias Sage, Etc.

Stocky, vigorous young plants from pots, sent with all the roots, but little soil. M. Landry, S. A. Nutt, Bruanti, Buchner, Modesty, 10 other fine doubles, and 8 newest double Ivies, $14.00 per 1000; $1.40 per 100. A. Ricard, Poitevine, F. Perkins, J. Doyle, M. Castellane, J. Viaud, J. P. Cleary, A. Lang, $16.00 per 1000; $1.60 per 100. **Le Soleil,** very best glowing scarlet, double, $2.50 per 100.

COLEUS, R. C. All brightest fancy and Golden Queen, 60 cts. per 100. **Giant Leaf,** 20 vars., grand, finest of all, $1.00 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Rooted Cuttings

	Per 100
Weeping Lantanas	$1 25
Fuchsias	1 50
Double Petunias	1 25
Marguerites, Paris Daisies	1 00
Feverfew, Little Gem	1 25
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60
Cannas, Standard Bedders	1 50

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.
(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt,** at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard,** at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin,** at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties	$5.00	per 1000
Double Petunias, rooted cuttings,	$1.25	per 100
Heliotrope, all dark varieties	1.00	"
Feverfew, in fine shape	1.25	"
Ageratum	.60	"

Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

XXX STOCK

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots, in bud and bloom, $6.00 per 100; from 4-in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S. A. Nutt, La Favorite, Jean Viaud, etc., well-grown plants from 2½-in. pots, $2.50 per 100; $22.50 per 1000.

CANNAS dormant tubers, 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Papa Canna, Egandale, etc., $2 00 per 100; $18 00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

1500
SURPLUS SMILAX

50 cents per 100 from 2-inch pots.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

SHAMROCK

SOMETHING NEW.

From Cemetery of Downpatrick, Ireland,

Plants, from 2¼ in. pots, ready Feb. 1, $4.00 per 100; $35.00 per 1000; 250 at 1000 rate.

Cash with order. Order early, as stock is limited.

J. D. HARCOURT'S SON,
WAPPINGERS FALLS, N. Y.

Mention the Florists' Exchange when writing.

Special Prices
ON
GERANIUMS

For the Next Two Weeks.

SEND FOR LIST.

GREENE & UNDERHILL, Watertown, N. Y.

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Pansies Worth Raising

STRONG PLANTS.

$4.00 per 1000; $2 50 per 500; $1 00 per 100.

f. o. b. Express here. Cash with order.

CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

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PANSIES

THE JENNINGS STRAIN.

Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

100,000 of my well known strain; 40c. per 100; $3.00 per 1,000; 4,000 for $10.00.

DAISIES, red and white, 30c. per 100; $2.00 per 1000.

VINCAS, very large field-grown, $5.00 per 100.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES Fine, large, transplanted plants from cold frame, Bugnot, Cassier and Odier prize strains, 50c. per 100; $3.00 per 1000. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100; $8.00 per 1000. Asparagus, from flats, ready for potting, Plumosus Nanus, $2.00 per 100; $18.00 per 1000. Sprengeri, $1.00 per 100; $7.00 per 1000. Cyclamen, from flats, $2.00 per 100; $15.00 per 1000; 2½ in. pots, $3 per 100; 3 in., $4 per 100. Terms, cash. **Hill Top Greenhouses,** 15-16 Gray Ave., **Utica, N. Y.**

Mention the Florists' Exchange when writing.

Pansy Plants

	Per 100.
Large Flowering ....$2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants	2 00
Coleus, 20 var., 2 in. pots	2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and	3 00
Canna Roots, 10 var.	3 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Write for particulars.

THE FLORISTS' EXCHANGE, 2 Duane St., N Y.

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

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ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.

Orchid Growers and Importers.

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NOW IN BLOOM!

AZALEAS GENISTAS, TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

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The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers**, $4.00 to $6.00 per doz. **Asparagus Sprengeri**, 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

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Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment.
Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

SOLE AGENTS:

AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

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CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. **Springfield, O.**

Mention the Florists' Exchange when writing.

ORCHIDS

500 well established 4-in. pot plants of **CYPRIPEDIUM INSIGNE.** Must be shifted at once.

500 **Cattleya Labiata,** in baskets.

200 **CALANTHE VEITCHII,** large flowering bulbs.

If interested, write at once for prices and further particulars.

Our *descriptive catalogue of general florists' stock* just mailed. Write us if not received

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention the Florists' Exchange when writing.

CHAS. F. MEYER
AZALEAS
PALMS
Nursery Stock

—15 PER CENT.—

MME. VAN DER CRUYSSEN and or SIMON MARDNER

Others may promise, but I **guarantee** you 15 per cent. each of the above varieties of the total number of

AZALEAS

you order up to 16-inch plants. The market in Ghent is almost bare of these favorite varieties and this is an exceptional opportunity. Avail yourself of it while it holds good and order quickly.

I also offer the finest brands of **Lily of the Valley Pips** for early or late forcing, **Roman Hyacinths, Paper Whites, Dutch Bulbs, etc.,** all for Fall delivery. Prices cheerfully quoted.

CHAS. F. MEYER

Importer of Bulbs and Plants and Sole Representative of the AD. D'HAENE CO., LTD., Ghent,
19 BARCLAY STREET, NEW YORK.

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Kentia Belmoreana

Fine plants, 7 and 8 in. pots; 7 leaves; 42 to 60 in. high, $50.00 per doz.

Asparagus Plumosus Nanus.
5-in pots; strong plants, $25.00 per 100.

Asparagus Sprengeri.
5-in pots; strong bushy plants, $25.00 per 100

P. J. BURGEVIN, Port Chester, N. Y.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

FERNS

OUR SPECIALTY

If you are in the market for Ferns and want the best, give us a trial order. Owing to the steadily increasing demand for our stock we have added another large range of greenhouses to our establishment and can offer the best stock of Ferns ever produced in unlimited quantities at comparatively low figures.

ASSORTED FERNS For jardinieres in fifteen of the leading varieties, good stocky plants, from 2¼ in. pots, sample free, at $3.00 per 100: $25.00 per 1000. 250 at 1000 rate.

	100	1000
Adiantum cuneatum, 4 in. plants.	$15 00	$140 00
" " 5 in. " ...	25 00	235 00

500 at 1000 rates.
TELEPHONE CALL—29 I.

Anderson & Christensen, Short Hills, N. J.

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Our new revised Catalogue No. 6,

FLOWERS AND PLANTS

136 pages and cover, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

A. T. DELAMARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

BOSTON FERNS 2½ in. plants, $4.00 per 100, $35.00 per 1000.
Clerodendron Fragrans, 2½ in., $6.00 per 100.
Allemanda Williamsii, 2½ in., $5.00 per 100; 3 in., $8.00 per 100.

Climbing Clothilde Soupert Rose, strong well branched field plants, for 6 to 8 in. pots $15.00 per 100; for 4 to 5 in. pots, $10.00 per 100; 2½ in. plants, $5.00 per 100

THE CONARD & JONES CO., West Grove, Pa.

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ASPARAGUS

SPRENGERI, $3.00 per 100, $25.00 per 1000
2½ x 3½ inch pots.
Strong, well established plants, splendid value

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DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.

Adiantum Cuneatum, 4-in. pots	$2 00 per doz.;	$15.00 per 100
Asparagus Sprengeri, 5-in. pots	2.00 "	15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3 00
6 in. "	"	5.00
6 in. " strong	"	6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz.,	$1.50
4 in. " extra select	"	2.00

FERN BALLS

Furnished with leaves	per doz.,	$5.00

FERNS FOR DISHES

2 in. pots, good varieties	per 100,	$3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.

1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

FERNS

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.
BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.
FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I make a specialty of **NEPHROLEPIS EXALTATA BOSTONIENSIS.** Small plants, $5.00 per 100; $40.00 per 1000. Larger plants, $15.00 per 100.

ALSO A FINE LOT OF

Kentias, Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $18.00 per 100; 3½ in. pots, $15.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.
Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.
Cycas, 50 cts. to $2.50 each.
Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Areca Lutescens, 3 plants in a pot, 3, 4, 5, 6 in., $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Kentia Belmoreana and Forsteriana, extra clean and well grown plants, 2½, 3, 4 and 5 in., $8.00, $15.00, $30.00, $50.00, $75.00, $100.00 to $125.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Mrs. Lawson, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

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AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

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WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana,** 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

Cineraria Hybrida, best strain, strong plants, ready to shift into 5½ or 6 in. pots. 3 in. at the rate of $5.00 per 100; 4-in. at the rate of $7.00 to $8.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100, 4 in. pots, $15.00 per 100, $2.00 per doz., 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100 3-in pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.: from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4 in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100 $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz., 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

YOUNG MAN, 18, experienced, wishes position with retail florist. Fred. W. Keck, Woodhaven, N. Y.

SITUATION wanted by salesman; 10 years' experience on the road selling seeds, bulbs and plants. Wish to engage with good house, or will take partnership. Address D. L., care Florists' Exchange.

GERMAN, single, 29, experienced greenhouse man, sober, industrious, willing to work, wishes situation. Please state wages when writing. Address Geo. Khuepfel, 53 South 4th street, Brooklyn, N. Y.

SITUATION wanted by first-class rose grower, as foreman on commercial place where roses are grown as a specialty. Best of references as to character and ability. Age 33, single. Address D. A., care Florists' Exchange.

YOUNG MAN, EXPERIENCED IN BEAUTY AND TEA ROSES, CARNATIONS AND GENERAL STOCK, DESIRES POSITION. COMPETENT TO TAKE CHARGE OF SECTION, OR FULL CHARGE OF SMALL PLACE. BEST OF REFERENCES AS TO CHARACTER AND ABILITY. ADDRESS E. B., CARE FLORISTS' EXCHANGE.

SITUATION wanted as foreman by an American, married. Life experience in growing roses, carnations, chrysanthemums and bedding stock, fancy ferns and stove plants. Capable of managing large or small place; can give good reference; strictly temperate. Private or commercial. When writing please state wages and particulars. Address F. A., care Florists' Exchange.

I AM a Slavonian by birth; naturalized citizen of the United States 9 years, speak Hungarian, German, and English, married, but no family; age 35. Best references, sober, honest and willing. Experienced since childhood, in cut flowers, plants, drafting, propagating, vegetables, and all other hot-house and gardening work. Private position close to Pennsylvania or New Jersey preferred. Address, stating wages, Joseph Skripko, P. O. Box 167, Lansford, Pa.

HELP WANTED

WANTED, night fireman for steam boilers, permanent position to right man. State wages; whether married or single. Rowayton Greenhouses, Rowayton, Conn.

WANTED Working Foreman in violet growing establishment in Hudson River Valley. House furnished, steady position for right man. Address E. M., care Florists' Exchange.

WANTED, at once, rose grower, must have experience and ability and be thoroughly reliable. Apply, stating wages expected and giving references, Robert Scott & Son, Sharon Hill, Pa.

WANTED, a man who is a competent grower of bedding plants, carnations and Easter stock. Must be active and steady. Please state wages or call on S. H. Powell, 11 and 13 Crescent street, Brooklyn, N. Y.

WANTED An honest, sober and willing young man, with some experience in growing carnations, as assistant on commercial place on the Hudson. Send references and state wages, with board. E. F., care Florists' Exchange.

WANTED Good salesman for nursery stock, must understand the business and have a good record as salesman in this line. Will pay salary and expenses according to ability. Address Keene & Foulk, Bloodgood Nurseries, Flushing, N. Y.

WANTED—A good all-round florist to take charge and run two greenhouses, 75x20, in a good live town in the Southwest. Must be a married man with a small family. German preferred, wages $60 per month and house rent free. Address, with references, E. D., care Florists' Exchange.

WANTED.

Packer and Shipping Clerk

Must have knowledge of Seed and Bulb business. Reply, with references.

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

SEEDSMAN

Experienced in this country and Europe. A good, permanent position for the right man who has tact and energy. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WE WANT a young man familiar with botanical names for our office; must be a good speller, fair writer, able to use typewriter and to take dictation. Send testimonials as to ability and character. None else need apply. Reasoner Bros., Oneco, Florida.

WANTED, married man, with no family preferred, to assist growing violets and bedding plants. Must be willing, quick and sober. Wages $30.00 per month, house, coal and vegetables. Steady place. References required. Address Wm. Herzog, Morris Plains, N. J.

WANTED, a young or middle-aged man of first-class ability and correct habits, as foreman in commercial nursery. One who thoroughly understands general nursery work. American preferred. Address, stating wages and previous experience, C. B., care Florists' Exchange.

WANTED, good man who has had experience in growing general stock, must be a hustler. Married man preferred. Furnish reference from last employer and state wages expected. Only those possessing a thorough knowledge of the business need apply. Address E. C., care Florists' Exchange.

WANTED.

Stenographer, Typewriter and Assistant Bookkeeper.

Must be efficient and familiar with the seed, bulb and plant business. Female preferred. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

BUSINESS OPPORTUNITIES

FOR SALE or to let, florist store and greenhouses, on Main St., Montclair, N. J.; come and see it. Apply to Robert Chesney, Montclair, N. J.

FOR SALE—Manufacturing process for preparing cycas leaves (sago palm). German method, better and cheaper than the American. Old expert; thorough instruction. White for particulars. E. J., care Florists' Exchange.

FOR SALE—Well-paying florist establishment, at Grand View on Hudson, N. Y.; greenhouses and residence, several acres of land; well stocked, hot water heating; everything in fine condition. Address E. H., care Florists' Exchange.

FOR SALE, a greenhouse plant of 4,000 square feet of glass, stocked with carnations and smilax, on a place of 24 acres; 10 in fruit. A good business and can easily be enlarged; near good markets. Address T. V. Peirson, Brockport, N. Y.

FOR SALE—Eight greenhouses, dwelling with modern improvements, barn, sheds, and office building in the finest city in western Connecticut; on trolley line and one minute's walk from New Union Depot. Very cheap. Address D. D., care Florists' Exchange.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred. Parties who could run wholesale store would find it advantageous. Two or three might join; business is large enough. Terms easy. Address Mulford, Jefferson Park, Chicago, Ill.

FOR SALE—Old established florist business, 4⅛ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FLORIST BUSINESS, established 33 years, for sale cheap to quick buyer; stock, fixtures, good will and lease; plate glass front; marble top counter, four living rooms and brick greenhouse, at trolley station, corner two avenues, three car lines, two blocks from "L" station; good trade; reason for selling, sickness and death; must be sold within ten days; price $750, worth $3,000; a snap for quick buyer. Address E. G., care Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO RENT—About 8,000 square feet of glass with some land, suitable to grow first class carnations. Near New York City. E. K., care Florists' Exchange.

WANTED to lease by March 1, 20,000 to 50,000 feet of glass without stock. State full particulars in first letter. Address D. E., care Florists' Exchange.

WHO has greenhouse property for sale? I want several acres of land with some greenhouses erected, and in good condition. Price not over $9,000. If you want to sell, send particulars to D. K., care Florists' Exchange.

NOTICE Please send all catalogues, circulars and wholesale price lists pertaining to the trade including nursery stock, instead of Villa Nova, Pa., as heretofore, to my place of business, 25 Ashley street, Bridgeport, Conn. Julius Roek.

Mention the Florists' Exchange when writing.

MISCELLANEOUS

FOR SALE—One hot water boiler, No. 5; Weathered; good as new; also one Furman No. 5 steam boiler, good condition; $50 each f. o. b., Burlington, N. J. Apply Samuel Marks, Burlington, N. J.

FOR SALE—On easy terms, one of the best florist businesses in Northern New York; about 50,000 feet of glass; fine stock for wholesale and retail, 25,000 inhabitants and large surrounding territory, reason for selling, poor health. J. F. Greene, 110 Flower Ave. E., Watertown, N. Y.

FOR SALE—One No. 12 Volunteer steam boiler, suitable for heating 4,000 ft. glass; used a short time. Price $100. J. H. Ives, Danbury, Conn.

Bargains in Greenhouse Material

One Rider Hot Air Pump No. 8; used by the Government one year. If taken within one week, before we move it from where it now stands, $100.00.

One Hitchings No. 16 Boiler; price $50.00.

One Scollay No. 5 Boiler; price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6, price $1.65. Cypress, $1.75, painted.

500 second-hand Hot Bed Sash, 6-in. glass, $1.00 each; $45.00 per 50; $85.00 per 100.

Glass 10 x 32, 10 x 12; new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box. 50 wooden wheelbarrows, freight paid, $1.25 each. Shovels, spades, axes, etc., $5.00 per doz. Will assort if wanted. Also second-hand plumbing tools.

Second-hand seasoned lumber at all times.

A limited job lot quantity of new 10-ply hose ¾-in.; price, while it lasts, 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money, send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1 in., 3¼c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., New York

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

HARDY ROSES, Etc.

FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Chicago.

News of the Week.

There is no material increase in the cuts of stock coming into the market; if anything, they are shorter than a week ago. Long-stemmed American Beauty roses can now be listed amongst the scarce articles, as the supply has fallen off considerably. The same is true of Liberty. In fact, I do not think the Chicago market has ever seen such short supplies in the way of roses as there is at the present time, and if the existing cloudy weather continues, it will be some time before there is any material change. The shortage can, for the most part, be traced to the inadequate coal supply, as the great majority of growers have not got fuel enough on hand to carry them through until Spring, and those who have a supply are not firing any heavier than the ones who are short.

In carnations the shortage is not so marked as in roses. The supply of pink sorts is sufficient to meet all demands; white and reds are short, especialy white, due to the large number of funeral orders prevailing at the present time.

Preliminary measures were taken to have a department of floriculture, greenhouse pests, and plant diseases in connection with the horticultural department of the State Experiment station at Urbana, at a meeting of committees of the Chicago Horticultural Society and the Florists' Club held on January 20.

H. W. Bruns, of West Madison, is forcing upwards of three-quarters of a million of lily of the valley pips this season.

Stollery Bros. are commencing to cut from 50,000 tulips; all are in prime condition.

M. Wieland, of Evanston, reports trade better with him than ever before at this time of the year.

The George Wittbold Co. had the decorations for the Fete of All Nations at the Auditorium. Smilax and holly were the principal things used in connection with the different flags. A great many palms were also employed. The firm furnished the cut flowers that were sold there.

The florists have made arrangements to go over the Lake Shore and Michigan Southern Railroad to the carnation meeting in Brooklyn. Those from the West who intend going should make arrangements to accompany the Chicago contingent. A special car will be furnished. Intending delegates should communicate with Mr. Vorburgh, of the Lake Shore Road. About twenty will go from here.

Vaughan's Seed Store is undergoing its annual cleaning prior to the opening for Spring trade.

C. E. Dickinson is again seen at his desk after a short vacation.

Edgar Sanders continues to gain his strength slowly. He is now able to go around his room quite lively.

Visitor: H. E. Philpott, Winnepeg, Man.

R. JOHNSTONE.

ROSES

	Per 100	Per 1000
American Beauty	$3.00	$30.00
Bridesmaid and Bride	1.50	12.50
Meteor, Golden Gate	1.50	12.50
Perle, fine	2.00	20.00
Ivory	3.00	25.00

All nice, clean, two-eye cuttings, strongly rooted. Sure to make good plants.

W. H. GULLETT & SONS, Lincoln, Ill.

Mention the Florists' Exchange when writing.

FLORISTS KNOW

THAT THEY CAN BUY

CUSHMAN'S HYBRID

Gladiolus Bulbs

At practical Living Prices. Write for List.

Cushman Gladiolus Co.

SYLVANIA, OHIO.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO PLACE YOUR ORDER FOR

GRAFTED ROSES

SEND FOR PRICE LIST

A. N. PIERSON, - - - - - Cromwell, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS. CLEAN STOCK.

Fairmaid, $5.00 per 100; Mrs. Bradt and Mrs. Lawson, $2.00 per 100. Elm City and Gen. Maceo, $1.50 per 100. Wm. Scott, Mrs. Joost and Daybreak, $1.00 per 100. From soil, 50c. per 100 extra.

J. W. HOWARD,
RUSSELL ST., Woburn, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$4 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Apollo	4 00
		Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Gov. Wolcott	4 00	Mrs. F. Joost	1 00
Estella	3 00	Dorothy	2 00
Morning Glory	2 00	Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

PLANT CULTURE

Price, **$1.00.** Send for a copy.

The Florists' Exchange, P. O. Box 1697, N.Y.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N.Y.

Carnation Cuttings

Well rooted. Now ready for immediate delivery.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	3.00	25.00
Roosevelt	3.50	30.00
Palmer	5.00	45.00
Higinbotham	6.00	50.00
Prosperity	3.50	30 00
Morning Glory	2.00	15.00

Liberal discount on large orders.

T. KRAFT, 135 Johnson Av., Newark, N. J.

THE AMERICAN CARNATION

Now on press. Write for particulars

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

... ROOTED ...

ROSE CUTTINGS

Made from the "Prize Winning Stock" of America.

	Per 1000
AMERICAN BEAUTY	$30.00
IVORY	30.00
LA FRANCE	30.00
BRIDE and BRIDESMAID	15.00
METEOR	15.00
GOLDEN GATE	15.00

Cuttings from plants in most perfect state of health. Rooted and handled by an expert propagator.

HELLER BROS., SOUTH PARK FLORAL CO. New Castle, Ind.

Mention the Florists' Exchange when writing.

ESTELLE

AN ORDER WILL CONVINCE YOU THAT

Is a Distinct, New **CHRYSANTHEMUM.**

Earliest Fancy White known. October 4-12.

Same culture produces blooms Double the size of old varieties.

Commands top price. First-class shipper.

Certificated Cincinnati, October 18, 1902.

Offered Cheaper than any other new varieties. Makes an Ideal Pot Plant.

"ESTELLE" IS A MONEY MAKER.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

H. M. ALTICK, DAYTON, OHIO

New Forcing Rose IDEAL

A grand Winter Rose growing and flowering continually; color deep pink; a vigorous grower. Flower bud long, keeping good form as it opens, retaining perfect color until petals fall. Very fragrant; good stiff stems. Young plants in 2¼ inch pots, **$15.00** per 100; **$125.00** per 1000. Two-year-old plants, in 5 in. pots, **$50.00** per 100; 6 in. pots, **$75.00** per 100. Stock ready April 15th. Quantity limited.

JACOB BECKER, 5218 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

FINE YOUNG STOCK, TRUE TO NAME, FROM 2½-IN. POTS

$2.50 per 100; $20.00 per 1000.

Princess Sagan,
Tennessee Belle,
Mad. F. Kruger,
Snowflake,
R. M. Henriette,
Pink Rambler,
Chromatella,
Empress of China,
Lamarque,
Marie Guillot,
Marie Ducher,
Vera de Flora,
Yellow Soupert,
Climbing White Pet,
Marie Van Houtte,
Beaute Inconstant,
Climbing Bridesmaid,
Bon Silene,
Clothilde Soupert,
Mad. Jos. Schwartz,
Yellow Hermosa,
Purple China,
Aggrippina,
Louis de la Rive,
Seven Sisters,
Etoile de Lyon,
La Pactole,
Lady Warrendar,
W. A. Richardson,
Safrano,
Media,
President,
Mrs. De Graw,
Miss Wenn,
Mary Washington,
Universal Favorite,
Christine de Noue,
Gruss an Teplitz,
Mad. Schwaller,
Pink Soupert,
Lucullus,
Golden Rambler.

$2.75 per 100; $22.50 per 1000.

Manda's Triumph,
Marquis de Vivens,
J. B. Varrone,
Sylph,
Princess Bonnie,
Isabella Sprunt,
Duchesse de Brabrant,
The Queen,
Mad. de Watteville,
Mad. Welch,
Mad. Camille,
Jersey Beauty.

$3.00 per 100; $25.00 per 1000.

Bride,
White Maman Cochet,
Triumph Pernet Pere,
Wichuraiana,
Hermosa,
Papa Gontier,
Comtesse Frigneusse,
White Malmaison,
Climbing Meteor,
Pink La France,
George Pernet,
Etoile d'Or,
Perle d'Or,
Princess Marie Adelaide,
Bridesmaid,
Maman Cochet,
Golden Gate,
Rainbow,
Marechal Niel,
Catherine Mermet,
Striped Malmaison,
Meteor,
White La France,
Red La France,
Mignonette,
Cecile Brunner, Petite Leonie,
Crimson Rambler.

$3.00 per 100 straight.

Kaiserin,
Sunset,
Mrs. Robert Peary,
Souv. de Malmaison,
Perle,
Prairie Queen,
Climbing Malmaison,
Climbing Wootton.

$4.00 per 100.

Mrs. Robert Garrett, Souv. de Wootton, President Carnot, Helen Gould

Hybrid Perpetual Roses, good assortment. $4.00 per 100; $35.00 per 1000.

Moss Roses, in ten varieties, $3.00 per 100; $25.00 per 1000.

Two-year-old Roses, from 4-inch pots, $10.00 per 100.

Crimson Rambler,
Maman Cochet,
Papa Gontier,
Yellow Soupert,
Kaiserin,
Marie Van Houtte,
Bridesmaid,
Marie Guillot,
Lamarque,
Gruss an Teplitz,
White Maman Cochet,
Pink Soupert,
Clothilde Soupert,
Hermosa,
Bride,
Mrs. DeGraw,
Mary Washington,
Mosses in ten Varieties

Miscellaneous Plants

Geraniums, S. A. Nutt, La Constable, Heteranthe, White Swan, E. G. Hill, 2½ in. pots, $2.50 per 100; $20.00 per 1000.

Chrysanthemums, New, early and late varieties, $2.50 per 100, $20.00 per 1000.

Hardy Pinks, six varieties, small pots, $2.00 per 100.

Scented Geraniums, Small and Large Leaf Rose, Lemon, Nutmeg, $2.50 per 100, Peppermint, $4.00 per 100.

Lantanas, in variety, $2.50 per 100.

Heliotrope, white and purple, $2.50 per 100.

Marguerites, white and yellow, $2.50 per 100.

Vinca Variegata, 2 in., pots, $2.50 per 100; 3 in., $4.00 per 100, 3½ in., $5.00 per 100, 4 in., $6.00 per 100.

English Ivy, $3.00 per 100.

Ageratum, Princess Pauline, Stella Gurney, Lady Isabell, $2.50 per 100.

Lopesia Rosea, $2.50 per 100.

Saxifraga Sarmentosa, $2.50 per 100.

Sanseviera Zeylanica, $3.00 per 100.

Small Ferns, $2.50 per 100.

Boston Ferns, $3.00 per 100.

Asparagus Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00, 3½ in., $5.00 per 100.

Asparagus Plumosus, 3 in., $6.00 per 100; 6 in., $20.00 per 100.

Salvias, $2.50 per 100.

Alternantheras, three kinds, $2.00 per 100.

Pothos Aurea, $3.00 per 100.

Achyranthes, $2.50 per 100.

Umbrella Plants, three sizes, $2.50, $4.00 and $6.00 per 100.

SEND FOR LIST. CASH WITH ORDER.

The National Plant Co., Dayton, Ohio

Mention the Florists' Exchange when writing.

ROOTED CARNATION CUTTINGS

President McKinley

THE $100 PRIZE CARNATION.

ROOTED CUTTINGS, $2.00 per doz., $12.00 per 100, $100 per 1000.

All the Standard and Newer Varieties.

If It's Quality You're Looking For, We Are Confident We Can Please You. Prices On Application.

E. T. GRAVE, Richmond, Ind.

Mention the Florists' Exchange when writing.

NEW CARNATIONS

LOWNDES, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS. We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties, now ready.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION **May Naylor**

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

Well Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	**Nelson**	$4 00	$35 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**America**	1 25	10 00
Harlowarden	12 00	100 00	**Palmer**	4 00	30 00
Estelle	4 00	35 00	**Mrs. L. Ine**	1 25	10 00
Crane	2 00	15 00	**Chicago (Red Bradt)**	2 00	15 00

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 50	12 50	**Murphy's White**	6 00	50 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

Bradt..... $2.00 per 100; $15.00 per 1000.

ROSES Well Rooted Cuttings Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

NEW
Fancy Carnation

"TIGER"

Orange, striped pink; 2½-3½ inches; calyx strong; fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000.

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Murphy's White Carnation

is proving itself a paying commercial white. It was in full crop for the Holidays. Has been in continuous crop since August. We do not claim a Fancy, but the best paying White on our market to-day, as a keeper, as a producer, seller and shipper. It is all we claim for it. We are booking orders now for February 1st to 15th delivery. First-class cuttings and satisfaction guaranteed, or money refunded. Place your order with S. S. Skidelsky, traveling salesman, or J. Gammage & Sons, London, Ont., Canadian agents, or send direct. $6.00 per 100; $50.00 per 1000; $45.00 per 1000 in 5000 lots; $40.00 per 1000 in 10,000 lots.

Wm. Murphy, Wholesale Carnation Grower
130 E. Third St., Cincinnati, Ohio

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100
J. H. Manley	$6 00
Harry Fenn	6 00
Gov. Wolcott	5 00
Mrs. Lawson	3 00
Goodenough, white	2 50
Morning Glory	2 00
Gen. Maceo	1 50
Mrs. Joost	1 50

SIDNEY LITTLEFIELD,
NORTH ABINGTON, MASS.

Mention the Florists' Exchange when writing

Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00
Mrs. Bradt,	2.50	20.00

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

$UCCES$

The New Pink Carnation

Succeeds in backing up the claim of the originator that it is the most prolific Carnation to date—the best money-maker grown—and that is what we are all looking for. Bore much larger blooms and 35 per cent. more of them than Mrs. Joost last season. If you want strong, first-class rooted cuttings, order now from Henry F. Mitchell, Philadelphia, Pa., or J. Gammage & Sons, London, Ont., or send direct.

Rooted cuttings, $1.50 per doz.; $2 50 per 25; $8.00 per 100; $70.00 per 1000. Orders filled in strict rotation.

JOHN G. SHOLL, Burlington, N. J.
Dept. C.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Now Ready		Per 1000
Morning Glory	at	$15.00
Cressbrook	"	35.00
Ethel Crocker	"	10.00
Late February and March Delivery		
Queen Louise	at	$15.00
Alba	"	35.00
Her Majesty	"	75.00
Prosperity	"	20.00
Roosevelt	"	15.00
Gaiety	"	20.00
Dorothy	"	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

Genevieve Lord, $1.50 per 100

Morning Glory, - 1.00 per 100

Flora Hill, all sold.

JEWETT CITY GREENHOUSES
JEWETT CITY, CONN.

Mention the Florists' Exchange when writing.

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. **The Former**, sent out Spring of 1902, has proved **Without an Equal as a High-grade Commercial Variety. The Latter**, sent out in 1901 in limited quantity, is to-day **The Standard** every-day commercial **White on the Boston Market.** A marvel for early, free, and continuous blooming. **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$45.00
"BOSTON MARKET"	5.00	40.00

Both will be on Exhibition at Brooklyn, February 19 and 20.

PETER FISHER, Ellis, Mass.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 50	$30 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS
READY NOW.

1000 California Rooted Cuttings are worth 2000 Eastern Rooted Cuttings.

	Per Doz.	Per 100
Gov. Wolcott, white	$0 60	$4 00
Alba, white	60	4 00
Golden Beauty, yellow	60	4 00
Violiana, variegated—very nice	1 25	9 00
Mrs. Palmer, scarlet	60	4 00
Stella, Dorner's variegated	60	4 00
Corbett, salmon	40	3 00
Norway, white	30	1 50
Governor Roosevelt, maroon	35	2 00
Gold Nugget, yellow	30	2 00
Mrs. Lawson, pink	30	2 00
Egypt, maroon	30	2 00
Queen Louise, white	30	2 00
Genevieve Lord, light pink	15	1 00
Evanston, red	15	1 00
Tidal Wave, pink	15	1 00
Mrs. F. Joost, pink	15	1 00
Mermaid, salmon, fine	15	1 00
Portia, scarlet	15	1 00
Wm. Scott, pink	15	1 00
Argyle, pink	15	1 00
El Dorado, yellow	15	1 00
General Maceo, maroon	15	1 00

Write for prices on large lots. 6 at 12 rates, 25 at 100 rates.

Terms, SPOT CASH, prepaid to your city at above prices. All rooted cuttings sold under express conditions that if not satisfactory on arrival, return immediately, when money will be refunded.

CALIFORNIA CARNATION CO.,
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS NOW READY

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
E. A. Nelson
Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen
Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella
Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney
Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.
JOLIET, ILLINOIS.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

CARNATIONS

Well Rooted Cuttings from Clean, Healthy Stock.

Now Ready.

	100	1000
Mrs. Thomas Lawson	$2.50	$20.00
The Marquis	1.25	10.00
Gov. Roosevelt	2.00	15.00

For February and March Delivery.

	Doz.	100	1000
J. H. Manley	75c.	$6.00	$50.00
Harry Fenn	75c.	6.00	50.00
Mrs. Higinbotham	75c.	6.00	50.00
Queen Louise, or Lorna		2.50	20.00

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P. O. Box 1646, Paterson, N. J

LILLIAN POND
The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

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VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100, $5 00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100	PINK	Per 100	CRIMSON	Per 100
Queen Louise	$2 00	Floriana	$2 00	Harry Fenn	$5 00
Lorna	2 50	Mrs. Higinbotham	5 00	Gov. Roosevelt	2 50
Norway	2 00	Cressbrook	4 00	Gen. Maceo	1 50
Goodenough	2 00	Mrs. G. A. Milson	4 00		
Hoosier Maid	2 00	Mrs. Thos. Lawson	3 00	YELLOW	
White Cloud	1 50	Dorothy	2 00	Buttercup	3 00
Flora Hill	1 50	Irene	2 00	Gold Nugget	2 00
RED		Sunbeam	2 50	Eldorado	1 25
		Morning Glory	1 50		
Mrs. Potter Palmer	4 00	The Marquis	1 25	VARIEGATED	
J. H. Manley	5 00	Genevieve Lord	1 25		
Oriole	4 00	Mrs. F. Joost	1 25	Dorothy Whitney	6 00
G. H. Crane	2 00	Daybreak	1 25	Prosperity	2 50
Jubilee	1 50	Wm. Scott	1 25	Mrs. G. M. Bradt	3 00
Portia	1 25	Ethel Crocker	1 25	Armazindy	1 25

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Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. **Send For Catalogue.**

J. L. DILLON, - Bloomsburg, Pa.

ROOTED CUTTINGS CARNATIONS and ROSES

CARNATIONS

	Per 100	Per 1000
Flora Hill	$1.50	$12.50
White Cloud	1.50	12.50
Norway	1.50	12.50
Mrs. Lawson,	1.50	12.50
Sport	1.50	12.50
Guardian Angel	1.50	12.50
America	1.50	12.50
The Marquis	1.50	12.50
Mrs. Potter Palmer	1.50	12.50

ROSES

OUT OF 2½-INCH POTS

	Per 100	Per 100
La France	$4.00	$35.00
Kaiserin	3.50	30.00
Ivory	4.00	35.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Meteor	2.50	20.00

IVORY CUTTINGS, $2.50 per 100; 20.00 per 1000.

WIETOR BROS., 51-53 Wabash Ave., Chicago, Ills.

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ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2.50	**Bride**	$1.50	**Meteor**	$1.50
Perle	2.50	**Bridesmaid**	1.50	**Golden Gate**	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	**Mrs. Lawson**	$2.00	**G. H. Crane**	$2.00
Flora Hill	1.50	**The Marquis**	1.50	**America**	1.50
Gov. Wolcott	5.00	**Cressbrook**	4.00	**Adonis**	14.00
White Bradt	12.00	**Floriana**	4.00		
Norway	2.00	**Enchantress**	12.00	MAROON.	
Lillian Pond	10.00	**Morning Glory**	2.00	**Gen. Maceo**	1.50
		STRIPED.		**Roosevelt**	2.00
		Gaiety	4.00		
		Prosperity	3.00		

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.
JOLIET, ILL.

ROOTED CUTTINGS—NEW VARIETIES

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Adonis, scarlet. (Hill)	14 00	120 00
Pres. McKinley, cerise. (Grave)	12 00	100 00
Murphy's White, (Murphy)	6 00	50 00
Lillian Pond, white. (Reuter)	10 00	75 00
Penelope, white. (Dorner)	5 00	40 00
Sibyl, cerise. (Dorner)	12 00	100 00

ROOTED CUTTINGS—STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, beautiful, large, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	40 00
Queen Louise, white, very free	3 00	25 00
Lorna, white, the largest and one of the best	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, scarlet, the best we ever grew	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
A Trip to Mount Mitchell (Illus.) .. 120
American Carnation Society 116
American Rose Society 114
Books Received 115
Bowling 118
Briefs for Busy Florists 121
Canadian News 119
Carnations (Illus.) 116
Carnations, etc., at Lancaster, N. Y. 121
Catalogues Received 105
Caught on the Fly 119
Changes in Business 107
C. S. A., The, and Variety Estelle .. 115
Fire 114
Firms Who Are Building 107
Market, Review of the 118
Nursery Department 106
OBITUARY—
A. Kauffman, John W. Scallen 115
Pamphlets Received 121
Pansies and Geraniums 117
Pelargoniums, Seedling (Illus.) 117
"Peony Association of S. A. F." 114
Primula Veris Superba 121
Question Box 120
Roses 107
Seed Trade Report 105
S. A. F. Plant Registration 114
Sweet Peas 121
TRADE NOTES—
Chicago 110
Philadelphia 118
New York 122
Boston, Denver, Hartford, Providence, R. I. 124
Cincinnati, Cleveland, Indianapolis, Kalamazoo, Osage, Ia., Toledo 125
Butte, Mont., Newburgh, N. Y., Omaha 127

FIRE.

NEWARK, N. Y.—The large greenhouses of C. F. Clark, florist, in the eastern part of the village of Newark, narrowly escaped destruction by fire early on the morning of January 29. Mr. Clark fired the boilers until 2 o'clock in the morning, when he retired. About two hours later Mrs. Clark discovered the odor of smoke and investigation revealed a [illegible] post in the coal bin. Soft coal has been used of late and it has been stored in a bin next to the boilers, the post being a part of the partition separating the boilers from the bin. The heat had ignited the wood as well as some of the soft fuel, but it had not burst into flames before its discovery.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Peter Crowe, Utica, N. Y., registers Adiantum cuneatum Croweanum; found growing in a bed of A. cuneatum thirteen years ago, nothing except pure stock of A. cuneatum having been grown for eight years previous. Fronds much larger, habit of growth much stronger than that of the parent variety. Foliage very dark green, graceful, ripening in about one-half the time needed for A. cuneatum. Height, 28 to 30 inches. Has never been known to produce fertile seed. Originally grown by Mr. Crowe under the name of Bardii, for which the name Croweanum is now substituted.

WM. J. STEWART, Secretary.

Express Rates.

The various meetings of florists who ship cut flowers, held for the purpose of protesting against the advance on express rates, which protest is shared in by the S. A. F., are all right in their way, and, we hope, may be productive of the object sought—the restoration of the former rates.

We have been told, however, of the pressure that was necessary to secure a reduction on the express rates on plants, viz., the threat to divert the traffic of the catalogue men to the mails; the withdrawal from all catalogues of the announcement that plants could be forwarded by such and such express, which would result in an immense loss to the companies in the way of advertising, and other kindred moves. It appears to us that should the efforts of the cut flower men to obtain redress by persuasion prove futile, the plantsmen could and should come to their assistance, and advance the same forceful arguments that previously brought the express companies to terms.

Something of a material nature pointing to a curtailment or an entire loss of the traffic of the trade to the express companies is, we think, necessary in the premises. We have but little faith in the potency of resolutions of protest, and we believe the interdependent character of one branch of the trade upon another is a good and sufficient reason why one should come to the aid of the other, when the interests of either are assailed.

It is to be hoped that the catalogue men will come to the support of their brothers in the trade in the manner herein outlined, and we submit the foregoing suggestion for their friendly consideration and adoption.

The American Rose Society.

The joint schedule of prizes offered by the Pennsylvania Horticultural Society at its Spring exhibition and the American Rose Society at its fourth annual exhibition has been issued. The show will be held in Horticultural Hall, Philadelphia, March 24 to 26 inclusive.

In addition to a comprehensive list of premiums offered the following special prizes are enumerated:

For fifty blooms American Beauty rose, the Executive Committee's prizes of $100.00 and $50.00. In the event of there being five or more entries staged in this class, a third prize of $25.00 will be given by the Society. The Lord & Burnham Challenge Cup (of the American Rose Society), valued at $250.00, will be awarded in conjunction with the first (cash) prize for fifty American Beauty roses in this class.

For any variety of rose (American Beauty and Queen of Edgely excluded), fifty blooms, $20.00 and $15.00.

For the largest and best display of cut roses, not more than 25 blooms nor less than six blooms of any one variety to be staged, first prize (presented by President F. R. Newbold), in either cash or plate, $100.00; second (presented by Treasurer J. N. May), in cash or plate, $50.00.

Group of roses in pots, arranged for effect and covering 25 square feet of space, first prize, a silver cup, value $50.00, or cash, presented by James W. Paul, Jr., Esq., President of the Pennsylvania Horticultural Society; second prize, $25.00, presented by the E. G. Hill Co., Richmond, Ind.

The American Rose Society's medals for novelties will be awarded as under:

Gold medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any rose scoring less than 95 points.

Silver medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

It is further ordered that the complete scores of all entries in the competition be filed with the secretary of the American Rose Society before the award of any medal is confirmed. No duplicate medals will be awarded. It is understood that though the award of the gold or silver medal may be made to the same variety from one exhibitor exhibited in different centers, only one medal will be delivered to the exhibitor.

The Executive Committee of the American Rose Society reserves to itself the right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

Other special prizes are:

For display of roses in pots, twenty-four plants, three each of eight varieties, in not over 8 inch pots. One prize, silver cup, value $25.00, or cash, offered by Dingee & Conard, West Grove, Pa.

Hybrid perpetual roses in pots, twenty-four plants, six each of Magna Charta, Gabriel Luizet, Mrs. John Laing and Merveille de Lyon. One prize, silver cup, value $25.00, or cash, offered by Henry F. Michell, 1018 Market street, Philadelphia.

Hybrid perpetual roses, twenty-four plants, six each of four varieties, in not over 8-inch pots. One prize, silver cup, value $25.00, offered by H. Bayersdorfer & Co., 50 to 56 North Fourth street, Philadelphia.

Roses, cut flowers, Liberty, one vase of fifty blooms. One prize, silver cup, value $50.00, offered by Robert Scott & Son, Sharon Hill, Pa.

Stove and greenhouse foliage plants, twelve plants, "palms or ferns not admissable." One prize, silver pitcher, value $50.00, offered by Henry A. Dreer, Inc., 714 Chestnut street, Philadelphia.

"Peony Association of the S. A. F."

The subjoined communication, which has been forwarded to us, is self-explanatory, and is inserted for what it is worth:

Editor Florists' Exchange:

Some mild criticism of the S. A. F. Peony Association has recently been indulged in. Nothing vital has been evolved, and it is hardly worth noticing except that some might think that saying nothing there was nothing to say. For the information of the public, therefore, the following points are respectfully submitted:

1. The Peony Committee appointed by President Burton had power to add to its numbers. A committee having that right of associating with itself other members of the parent body became "an association." It is only another name for that kind of a committee, but it publishes better the breadth and depth of the committee's work than the title of committee as usually understood.

2. Any member of the S. A. F. may ask a friend to join the S. A. F. Because one is a member of the Peony Association does not deprive him of that right. If a candidate for membership in the S. A. F. happened to be a peony enthusiast, the Peony Association would naturally want him in their ranks, and they would have a perfect right to ask him; and it would not cost him anything additional. Why should it? If he pays five dollars, the five dollars goes into the treasury of the S. A. F. The Peony Association does as any other committee does as to finances, it draws on the parent body.

3. The advantage of having the peony interests under the wing and in the control of the S. A. F. is, briefly, that it avoids the policy of a practically self-constituted dictatorship in that section of the Society's field of work. The powers given to the committee to gather to itself those specially interested within the S. A. F. are ample, and subject only to the proper control of the executive officers of the S. A. F. They can also gather those outside the S. A. F. by the simple process of having them become members of the S. A. F. While that helps the peony interests, it also helps to build up and broaden the S. A. F.; and it is a practical solution of that vexed problem "closer relations" which has been troubling the Society for the past ten years.

4. The work of revising the nomenclature of the peony will be a most difficult one, and will take years to accomplish. That fact was early realized, as was the fact that to do it properly facilities for growing and comparing the different varieties (there are perhaps 1,000 named varieties of the herbaceous section alone now in commerce) would have to be provided. An amateur peony enthusiast offered to do this, but his place was a little difficult of access to visitors. While the committee were holding the matter under consideration a gratifying solution was presented to them by the Commissioners of Fairmount Park, through Oglesby Paul, the landscape gardener of the park. It is now arranged to have the collection in the park under the care of Mr. Paul. Each contributor's donation will be carefully labeled and kept separate, and all the benefits accruing from a permanent exhibition will thus be secured to the donors at a central point easy of access. This arrangement relieves the Society of all expense in caring for the plants, and removes all suspicion of self interest from the members of the Association. Field notes can be secured readily and frequently by the officers and by any one interested. Further particulars as to this and the matter of an exhibition will be given out later as things develop.

5. In conclusion, those who are working for the S. A. F. and the peony at present are doing so at a sacrifice of their time and means for the benefit of all and they will welcome assistance from whatever source gladly. They feel neither prejudice nor malice toward any one; and they also feel that they have some right to be treated with similar consideration. Let every one with the welfare of the S. A. F. at heart turn in and do something. There is plenty of work for all, and no time for fault finding. Life is short, and there's a great deal to be done.

GEORGE C. WATSON, Secy.
S. A. F. Peony Association.

It seems to us that what is contained in the foregoing communication would far better have been left unsaid, as it explains nothing, and only aggravates the position of those responsible for the attempted creation of the alleged "Peony Association of the S. A. F."

The statement that "The Peony Committee appointed by President Burton had power to add to its numbers" is utterly gratuitous and not in accordance with the resolution empowering the president to form that committee. That resolution proposed by ex-President O'Mara, as set forth in the Society's official report for 1902, is as follows (page 100): "I therefore move that the President of this Society be requested to appoint, at his earliest convenience, a committee of nine on the Peony, who shall report at the next convention the latest facts they may discover in relation to the Peony." The motion carried without alteration or amendment. The limitations of the president are here plainly prescribed. The attempt to explain away any unwarranted interpretation and the breach of these powers by the committee he appointed is not only futile, but a mere agglomeration of verbiage.

It is observed that an effort is now made to change around and qualify the announcement in reference to membership in the so-called "Peony Association," as that appears in the Society's report (page 173) for 1902, copy of which has been distributed in circular form by the party acting as secretary of the alleged association. In that report it is stated: "Five dollars will be the cost of membership in the association the first year, and $3.00 per annum thereafter, membership in the Peony Association also including membership in the Society of American Florists."

Now we are informed the peony enthusiast has only to pay his membership fee in the S. A. F. to entitle him also to affiliation with the alleged Peony Association.

The S. A. F. has never sanctioned the creation of any "association" within itself allowing free membership in such through membership in the national body; neither has it at any time decided to support and maintain any association illegitimate or otherwise, devoted to the advancement of a particular interest; and no person or committee has any authority to assert what the Society will or will not do in a matter of this kind, until, as a body, its wishes thereanent have been voted upon and declared. This peony committee was constituted "to report at the next convention the latest facts they may discover in relation to the peony." Its work is clearly outlined. Sensible men would endeavor to avoid perverting their powers and see the necessity of operating within their authority.

As to such a proceeding as has been instituted by the writer of the foregoing communication and his associates being a "practical solution of that vexed problem, 'closer relations,'" that is merely a matter of opinion. Closer relations had to do with existing societies; at all events, it would have shown much better judgment and respect for the S. A. F. had the peony committee first brought in next year, when it was called upon for its report, its recommendation as to how, in the opinion of its members, these "closer relations" were to be consummated, than that it should set at nought the views of the S. A. F. and act on its own unauthorized initiative in a matter of such moment to the Society.

It is certainly very kind and courteous of the Park Commissioners of Philadelphia to favor the S. A. F. in the manner described, in order "to remove all suspicion of self-interest from the members of the Association," and otherwise. It was legitimate self-interest that prompted the formation of a "committee of nine" to discover facts relative to the peony. We believe the florists and nurserymen of America quite capable of managing affairs that concern themselves most intimately, in an honest and straightforward manner without extraneous aid that may or may not be fully qualified to undertake the work in view. Furthermore, the Society of American Florists is not, so far as we know, in need of any eleemosynary assistance, and to thus inconsiderately place it in a position where the carrying out of any portion of its work is dependent upon the charitable consideration of any other institution, whose own operations are conducted through the beneficence of the taxpayers of any particular city, is to subject the S. A. F. to a cruel indignity, and to heap insult on the public-spirited men who comprise the national Society, in addition to assailing the personal integrity of the peony growers within its ranks. Conduct of this kind merits severest rebuke.

The secretary of the so-called "S. A. F. Peony Association" has advanced nothing that justifies the action of himself and his associates. His talk about "malice and prejudice" is mere twaddle. There is a legal principle involved which no amount of quibble or words can set aside.

As we before recommended, the president should at once annul the operations of the Peony Committee in toto and set men to work who know the value and wisdom of conforming to authorized instructions, men who recognize that "too quick resolves do resolution wrong," and that "things to be done are long to be debated." To permit th's matter to proceed in its present form can only bring about antagonism to and adverse criticism of the national Society, besides establishing a pernicious precedent that will work untold injury in itself as well as the repetitions of it.

We have faith in the good judgment of Mr. Burton influencing him to set this thing right, without further delay, despite any pressure that may be brought to bear upon him to act to the contrary.

The C. S. A. and Variety Estelle

Editor Florists' Exchange:

May I presume upon your time and space to air a grievance which I feel that I have against the Chrysanthemum Society of America?

Three years ago last October, I was fortunate in having a sport originate on my place from a Glory of the Pacific stock, coming pure white, one-third larger, and finishing a week earlier than its parent, with a more rounded form and a different style of petalage. I have carefully nurtured this sport, and have taken great pains to compare it with existing sports of this same variety—namely, White Glory of the Pacific and Polly Rose. Upon satisfying myself that it was different, both in habit and form, from these, I took it before the C. S. A. committee at Cincinnati, October 18, 1902. The committee scored it under the commercial scale and awarded it 85 2-3 per cent., or points, which entitled me to a certificate under the then existing rules of the C. S. A. Edwin Lonsdale, secretary, duly announced the variety, publishing the score in the trade papers, and mailed me a certificate, the receipt of which highly elated me, for having struggled along in the florist business for ten years at last I had originated a new and distinct variety which would establish me among the "chrysanthemum specialists." Alas! for the plans of mortal man, my air castles have been shattered, and my pet's score before the Cincinnati committee has been wiped from off the face of the earth. I refer to the table detailing the work of the C. S. A. for 1902, as published in one of your recent issues (January 3, 1903).

On October 18, 1902, I complied with all of the rules of the C. S. A., paying it a $2.00 fee, which was accepted. The committee regularly appointed by the C. S. A. complied with all the rules and regulations, as laid down to them by the official head of that society in passing upon my new chrysanthemum, and the result was that I received the certificate which I was fully entitled to, under the then regulations of the C. S. A.

In November, at the C. S. A. convention held in Chicago, a new rule was passed, making it necessary for all sports trying for a certificate to be exhibited before three committees, in order to be considered eligible for such certificate. This new law, it would seem, has been applied to my Estelle, for in the report of the C. S. A. the points have been eliminated and in a foot note the November ruling has been applied to my sport, which was certificated a month previous to the ruling. Is this a case of "Backward, turn backward, Oh time, in thy flight"? Again, what of the committee that conscientiously did its duty and served its master, the C. S. A., in issuing this certificate? Is its labor to go for nought, that its judgment is so totally ignored?

I feel that I have been discriminated against, and I judge that feeling from the fact that some of the "powers behind the throne" have circulated an opinion on my Estelle, declaring it synonymous with Polly Rose, before they had ever seen a cut, or a bloom, of my variety. How did they gain their information?

In closing I wish to say for the benefit of the misinformed that notwithstanding all this, I have in Estelle a variety that fills a long felt want, viz., an early fancy white, producing extra sized flowers of fine deep form, over double the size of those of the older varieties with the same culture, and a flower for which the retailer can ask a fancy price and get it with ease. In the market to which I shipped the blooms the demand was greater than the supply, and the retailers vied with each other to obtain the shipments as they arrived. Has either White Glory of the Pacific or Polly Rose such a record?

H. M. ALTICK.

Dayton, O.

[The resolution governing the award of certificates to "sports" went into effect on November 13, 1902, the date of its adoption. There is nothing in that resolution demanding that its operation shall be retroactive, and no subsequent announcement to that effect having been issued by the Chrysanthemum Society of America, we cannot see but that Estelle was entitled to be recorded by the Society as having received its certificate. However, the action of the C. S. A. in making its rule retroactive does not impair the worth of the variety, as that was determined by one of the Society's committees. If Estelle has the merits claimed, and is distinct from the other sports mentioned, the withholding of the announcement of the certificate in the Society's "Review," under the circumstances, will not injure its sale.—Ed.]

An inquiry as to the operation of the C. S. A. ruling addressed to President Herrington elicits the following reply.

Editor Florists' Exchange:

Has Mr. Altick written the secretary in reference to this matter? The rule was not made retroactive, and if the certificate has been refused him why then have him state his case in writing and it can be attended to next month as there will be a meeting of the C. S. A. during the Carnation convention.

A. HERRINGTON.

BOOKS RECEIVED.

THE BOOK OF THE STRAWBERRY, by Edwin Beckett, F.R.H.S. Publisher: John Lane, New York and London.

This work contains a full history of the development of this fruit from its wild state to the present time. The chapters on cultivation are well written, and a perusal of them will repay anyone interested in strawberry culture, whether for profit or pleasure.

A complete list of varieties suitable for forcing, with specific instructions for their cultivation, is given; also several chapters devoted to raspberries and kindred fruits. The work is written from an English standpoint, and for conditions existing there.

BUSINESS DIFFICULTIES.

LOWELL, MASS.—Paul P. Burtt, florist and undertaker, has filed a bankruptcy petition. His debts amount to $9,231.41, most of which is secured. Assets $8,750, of which $6,750 is represented in encumbered real estate.

NEWPORT, R. I.—Max E. Kraus, 32[illegible] Davenport avenue, has filed a petition in bankruptcy. Assets, $10,190; liabilities, $14,003.75. His action has been caused by the scarcity of coal, his plants having frozen up for lack of greenhouse heat.

Obituary

Alvie Kauffman.

Alvie Kauffman, a florist of Dayton, O., who recently went to Springfield, O., for his health, died there Sunday, January 18.

John W. Scallen.

John W. Scallen, the well-known retail florist, Thirty-first street and Broadway, New York, died somewhat suddenly on Wednesday, January 28, 1903, at 9.30 a. m., in his apartments situated over the store. The immediate cause of death was heart failure, though Mr. Scallen had been severely ill with rheumatism for two weeks previous.

Deceased was one of New York's best known retailers, having conducted a store continuously for twenty-one years—one year in the present location, and twenty years in a store directly opposite. Mr. Scallen was born in New York and had always lived in the city. He was 49 years old at the time of his death, and leaves a widow and two daughters, aged 16 and 18 years old, respectively, to mourn his untimely death. The funeral will be held at the family residence at Tremont to-day (Saturday).

INDEX OF ADVERTISERS

Allen J K 123
Altick H M 111
Amling E C 125
Anderson & Christensen 109
[illegible] Nurseries ....[illegible]
[illegible] & Co ....[illegible]
[illegible] G ....[illegible]
[illegible] J 109
Baker W J 121
Baker & Dick 122
Barr B F 108
Bassett & Washburn 113
Bayersdorfer H & Co 128
Becker J 111
Beckert W C 105
Berckmans P J Co 106
Berger H H & Co 102
Bernheimer E 124
B[illegible] H G 125
B[illegible] J & Co 106
Bobbink & Atkins 101
Bock W A 109
Bonnot Bros 125
Boston Letter Co 123
Bradshaw & Hartman 123
Briarcliff G'houses 122
Brown Bros Co 106
Brown E C & Co 126
Brown P 108
Brugevin P J 109
Burpee W A & Co 105
Byer Bros 108
Caldwell the Woodsman 122
Cal Carn Co 105 13
Canadian Advts 119
Carmody J D 127
Central Mich Nurs 108
Chicago Carn Co 113
Childs J L 105
Chinnick W J 106
Clucas & Boddington 101
Conard & Jones Co 109
Connell Benj 108
Cottage Gardens 111
Cowee A 104
Cowee W J 126
Cowen's N Sons 126
Craig R & Son 109
Crooke J J Co 122
Crowl Fern Co 122
Cunningham J H 108
Cut Flower Ex 123
Davis A B & Son 105
Deamud J B 125
Deming Co 128
Dietsch A & Co 128
Diller, Caskey & Co 128
Dillon J L 113
Dillon G'house Mfg Co 127
Dingee & Conard Co 105
Dorner F & Sons Co 110
Dreer Hy A 104 26
Dumont & Co 124
East'n Chem Co 126
Eichholz H 112
Eisele C 128
Eisele J G 109
Elizabeth Nurs Co 103
Elliott W & Sons 102
Elliott W H 101
Emmans Geo M 109
Endtz Van Nes & Co 106
Evenden Bros 111
Farquhar R & J & Co 102
Felthousen J E ....[illegible]
F & F Nurseries ....[illegible]
[illegible] & [illegible] ....[illegible]
[illegible] P ....[illegible]
[illegible] Bros ....[illegible]
[illegible] Mfg Co ....[illegible]
[illegible] L H ....[illegible]
[illegible] J & S ....[illegible]
[illegible] G M 128
[illegible] A ....[illegible]
[illegible] & C ....[illegible]
[illegible]dale B [illegible] ....[illegible]
[illegible] L [illegible] ....[illegible]
[illegible] & [illegible] ....[illegible]
Greenhouse Mfg Co ....[illegible]
[illegible] W H ....[illegible]
Guttman A G ....[illegible]
[illegible] Bros ....[illegible]
Hammond J A ....[illegible]
Harcourt's J D Sons 108
Harris C A & Co 108
Heacock Jos 109
Helios Upton Co 128
Heller Bros 111
Heller & Co 105
Herr A M 108-12
Herr D K 108
Hermann A 128
Hews A H & Co 126
Hicks & Crawbuck 123
Hill E G & Co 125
Hilfinger Bros 126
Hill Top G'houses 108
Hippard E 127
Hitchings & Co 128
Holton & Hunkel Co 125
Horan E C 123
Hort'l Advertiser 126
Howard J W 111
Hughes G J 108
Hunt E H 125
Igoe Bros 110
Jacobs S & Son 127
Jackson & Perkins Co 106 09
Jennings E B 108
Jessamine Gardens 106
Jewett City G'houses 112
Johnson & Stokes 103
Jones H T 106
Joosten C H 110
Just Geo 108
Kasting W F 124
Kay W H Co 127
King Construction Co 128
Koster & Co 106
Kraft T 111
Kreshover L J 122
Kroeschel Bros Co 126
Lager & Hurrell 109
Landreth D & Sons 103
Lang J 123
Langjahr A H 123
Lehman Bros 126
Leonhard T 113
Limbach C 126
Littlefield S 112
Little Sv Floral Co 112
Livingston Seed Co 128
Lockland Lumb Co 127
Long D B 128
Longsdorf L 106
Lord & Burnham Co 127
Lovett J T 106
Mader P 108
Manhattan Sup Co 110
Mauger W & Son 102
McFadden E C 109
McCarthy N F & Co 124
McKellar & Winterson 125
McManus J 123
Meyer C F 109
Michell H F 103
Moninger J C Co 127
Moon S C 105
Moon Wm H Co 106
Moore, Hentz & Nash 123
Moore W J 124
Moss G M 124
Mott Walter Sd Co 102
Munro J 125
Murphy Wm 112
Nat Board Trad 126
National Plant Co 111
Netschert F 122
N Y Cut Flow Co 123
Niessen L 124
Ouwerkerk P 106
Pennock S S 124
Perkins J J 123
Phila Market 122
Pierce F O Co 126
Pierson A N 111
Pierson F R Co 101
Pierson Sefton Co 128
Pinehurst Nurseries 106
Pittsbg Cut Flow Co 124
Pollworth C C Co 125
Quaker City Mch Co 126
Rawlings E I 108
Rawson W W & Co 105
Raynor J I 123
Reed & Keller 126
Reid Ed 124
Reinberg George 125
Reinberg Peter 112
Reuter S J 113
Reynolds J L Co 126
Richards W & Co 122
Riedel & Co 123
Ripperger Geo 126
Robinson H M & Co 122
Roemer F 105
Rupp J F 105
Saltford Geo 123
Sander F & Son 109
Schmidt J C 108
Schmitz F W O 103
Schultheis A 109
Scott J 103
Sheffield G'houses 103
Shepherd Mrs T B Co 105
Sheridan W F 123
Sholl J G 112
Shaw B S Jr 123
Smith C 123
Smith N & Son 109
Smith Wm C 122
Smith W & T Co 106
Soltau C 108
So Park Floral Co 111
Springfield Floral Co 109
Stearns A T Lum Co 127
Stern J 126
Stier P 108
Stoothoff H A Co 121
Storrs & Harrison Co 106
Stumpp & Walter Co 102 05
Styer J J 103
Sutherland G A 124
Swayne W 112
Syracuse Pottery Co 126
Taylor E J 113
Thompson J D 113
Thorburn J M & Co 104
Tobacco W & T Co 126
Traendly & Schenck 123
Vanhorn Griffen & Co 127
Vaughan's Sd Store 103 04
Vesey W J & M S 112
Vick's Jas Sons 105
Vincent R Jr & Son 106 08
Warburton C 113
Weber C S & Co 126
Weber H & Sons 112
Webster Bros 119
Weeber & Don 102
Welch Bros 124
Weston H 109
Whilldin Pottery Co 126
Whitton & Sons 108
Wietor Bros 113
Williams A W 108
Wittbold Geo Co 109
Wood Bros 108
Young J 123
Young & Nugent 123

INDEX OF ADVERTISEMENTS

PLANTS SEEDS, BULBS FLOWERS.

Abutilon 108
Ageratum 102 03 08 09
Alternanthera 108
[illegible] 101-03 05 08
[illegible] ....101 0[illegible]
[illegible] 101
[illegible] ....10[illegible]
[illegible] 109
[illegible] ....101 [illegible] 05 08 09 28
Asters ....10[illegible] 02 [illegible]
[illegible] ....102 0[illegible] 06 09
[illegible] ....101 02 0[illegible] 08 0[illegible]
[illegible] 102
[illegible] ....10[illegible]
[illegible] 103
[illegible] 125
Caladium ....10[illegible]
[illegible] ....101 02 0[illegible]
[illegible] 103 06 08
Carnations 102 05 08 09 10 11 12 13
[illegible] 103
[illegible] ....101 02 0[illegible]
Chrysanthemums 108
Cinerarias 103 05 08 09
Citrus 106
Clematis 101 03 06 09 28
Coleus 101-03
Cobaeas 108-09
Conifers 106
Crotons 109
Cuphea 108
Cut Flowers 122 23-24-25
Cycas 109
Cyclamen 102 03-05 08
Dahlias 105
Daisies 101-03 08
Deutzia 103 28
Dielytra 101 06
Dracaena 101 03 08 09-28
Ericas 109
Evergreens 106
Fern Balls 101 03 09
Ferns 109 12 22
Feverfew 108
Ficus 106-09
Fuchsias 108
Gazanias 108
Genistas 108-09
Geraniums 103 08-09
Gladioli 101 04 05 08
Gloxinias 101
Grevillea 108
Heliotrope 103 08
Hollyhock 103
Hyacinths 101 03 10
Hydrangeas 106 08
Ipomoea 103 08
Ivy 101 03 08 09
Lantana 108
Lemons 106
Lilacs 103-06
Lilies 101 03 06
Lobelia 101 02 03
Maples 106
Mignonette 101 02 03
Mimulus 103
Morning Glory 101
Myosotis 108
Nursery Stock 103-06
Orange 103
Orchids 103
Oxalis 103
Palms 101 05-06 09
Pansy 101-03-05 08
Peonies 106
Petunia 101 02 03-05-08
Phlox 103
Pilea 108
Pinks, Hardy 108
Primula 103 05-08-28
Privet 106
Pyrethrum 101-03
Rhododendron 101-06
Roses 101 03-06 09 10-11-12-13
Salvia 101-02-03-08
Seeds (not named) 102-04-05 25
Selaginella 108
Shamrock 105 08
Shrubs 106 08
Small Fruits 106
Smilax 101-02 03-08
Solanum 103
Spiraea 101-03-06
Staphylea 101
Stocks 101 02-03
Strobilanthes 108
Swainsona 108
Sweet Peas 102-03
Thunbergia 101-03
Torenia 103
Trees 106
Tulips 101 09
Vegetables 103 06
Verbena 101 02 03 05-08
Vincas 103-08-09
Vines 108
Violets 108
Wistaria 101

MISCELLANEOUS.

Auctioneers 124
Bamboo Canes 105
Boilers 126 27-28
Books 103 08
Business Opps 110
Collections 126
Cut Flower Boxes 128
Decorative Greenery 122
Designs 122 24-25-28
Fertilizers 126
Fittings 127-28
Florists' Letters 124 26
Florists' Supplies 121 25 26 28
Flower Pots etc. 124 26
For Sale 110
Galax 122
Glass 126 27
Glazing Points 126
Greenhouse Bldg. 127-28
Gutters 127-28
Hose 127
Insecticides 121 26
Lumber 127
Mastica 126
Moss 122
Mushroom Spawn 103 04 05
Newspapers 126
Painters' Supplies 126
Peat 122
Pipes, Joints and Valves 127
Printing 126 28
Putty 126-27
Sash 127
Seed Cases 105
Sprayers 126 28
Stakes & Supports 110
Thermometers 128
Tinfoil 122
Toothpicks 128
Ventilators 126 27 28
Wagon Heaters 126
Wants 110
Wax Flowers & designs 126
Wire 110

CARNATIONS

AMERICAN CARNATION SOCIETY.

Varieties Registered.

By F. Dorner & Sons Co., Lafayette, Ind.

SIBYL.—Bright cerise pink of an exceptional clear even color; size, three inches; form, petalage well arranged; stems always long and stiff, calyx always perfect; habit, strong, vigorous growth. An early, free, and continuous bloomer.

PENELOPE. White. A good late Summer and early Fall variety; very early and free.

LADY BOUNTIFUL (No. 123, 1900).—Color pure glistening white; size, full 3 to $3\frac{1}{2}$ inches, form, perfect, ideal for a high-grade commercial variety; stem, 24 inches and over, stiff and wiry, fragrance, spicy clove; substance of the very best, a strong feature of this variety; habit, ideal, strong, clean, healthy, upright growth. Very early free and continuous flowering. Will produce more blooms to the square foot of bench space than any other white carnation.

ALBERT M. HERR, Secy.
Lancaster, Pa

Carnation Success.

The Burlington (N. J.) Enterprise of January 23 last contains an interesting description of the florist establishment of Councilman John G. Sholl. His new carnation "Success" is highly spoken of. Mr. Sholl states:

"The same carnation gained popular local favor under the name of Burlington Girl, but after considering the matter I decided to call it 'Success,' thoroughly believing that nothing in the carnation line will succeed like it."

He is testing a number of other new seedlings, at least five of which promise good results. Of these one is pure white, two are of a delicate shade of pink and two more are bright pink. Of the latter, one has already produced blooms $3\frac{1}{2}$ inches in size. Mr. Sholl states that if it turns out well this variety will be called "Burlington Girl," and will be put on the market under that name.

Carnation Louise Nauman.

The accompanying illustration shows a house of the seedling dark pink carnation Louise Nauman, originated by G. M. Nauman, at Cleveland, O. This variety will be introduced to the trade next year.

Mr. Nauman does not claim it to be a fancy variety, but a good market sort. The photograph was taken December 1, 1902, and the house was planted September 15 of the same year. The little girl shown in the walk is the young lady the carnation is named for.

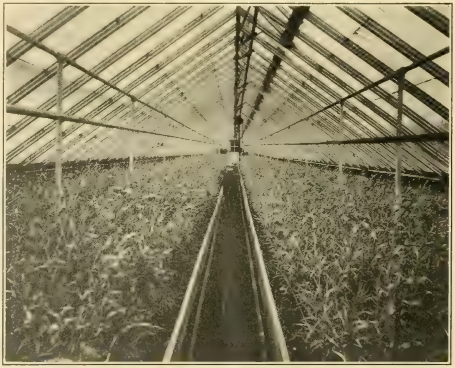
G. W. S.

Our Carnations.

It is wonderful how many varieties of carnations we have at present in our greenhouses, on the tables of the commission houses and on the counters of our retailers; so many, indeed, that only now and then is it possible for wholesaler or retailer to give the right name of this or that variety handled by him. Scores of new names of varieties registered and not registered annually are added to the long list of carnations of American origin; all acquisitions of the past fifteen or twenty years. This decidedly looks like a great gain; but is it? I, for my part, unhesitatingly say, yes. The fact that so many varieties of this old and still to this day popular, beloved and ever-useful flower, have been brought forward by so many of our large and small growers, I hold, seems to indicate that a general, hot race is running for a prize, visionary as yet, and dimly held out by the future, but most certainly to be won, if wise selection, keen judgment, and untiring study, work, and patience are employed.

Of course, like all noble exploits and undertakings, so has this work offered a splendid chance to minds less willing to appreciate a great achievement in horticulture, to satisfy their mercenary greed; while others, unable to know a poor thing when they see it (especially if they are the producers of it) will unwittingly, but not unwillingly, deceive the unwary, who have only read that stereotyped description of "a flower 3 to $3\frac{1}{2}$ inches across, stem 2 to 4 feet long, calyx never bursts, an early and continuous bloomer," etc.—a splendid fairy tale, indeed!

All this is to be expected, and is met with in other lines of progressive enterprise. But when a poor fellow who cannot afford to linger behind in our onward march, finds himself again and again a victim of windiness on the one hand and his own sanguine trustfulness on the other, his heart swells with blue suspicion, and he regards all new carnations as unreal delusions. He has come to the conclusion that carnations are only raised for the cuttings. He feels convinced that the originator of a new carnation has kept up the propagation therefrom for two or three years, until he has 3,000 plants, which will enable him to pick 50 extra-good blooms for exhibition and show. This first step counts. We all must have that kind. The plants of that stock are completely stripped of life-giving shoots for cuttings. Whoever gets some of these first cuttings, when rooted, does not fare so badly, in many cases; but the next crop of weak, spindling cuttings from the same plants, is the cause of disordered livers and bad language, sooner or later. But the thrifty disseminator takes from those same plants still another crop of cuttings to fill all incoming orders for his paragon.



HOUSE OF CARNATION LOUISE NAUMAN.
Grower, G. M. Nauman, Cleveland, O. Photo Taken December 1, 1902.

Many of the investors in a new variety go in deep, so that next season the variety, still being new and somewhat high in price, they want only the cuttings from their investment; and the same process of over-propagation and filling orders is repeated, perhaps minus the knowledge of the particular requirements and culture of that variety. We may once more see some vase or so of this particular carnation exhibited, perhaps less grand than the year before, still the flowers are there, but in another year or two you have to take long walks to find them.

One thing I have noticed with surprise, and in this connection cannot avoid speaking of; and that is, the immense difference between those show flowers and the blooms continually found in the commission houses and stores. One would suppose that at least once in a great while carnations approaching those great show flowers, the gorgeous picture of which is still in our minds, would be found offered for sale here and there; but I have not found any blooms of the newer kinds that could stand comparison with the flowers of the same sorts exhibited.

This is not so in the case of other leading stocks, such as roses, chrysanthemums, lilies, etc. High-grade blooms of these as are shown at the exhibitions to lovers and buyers of cut flowers, can be obtained for money every day in first-class flower stores.

Hundreds of our best customers, willing to pay any price for highest grade goods, expect, when asking for carnations, to get such as they have recently seen and admired at the flower show, and they wonder why they cannot obtain what was held out to them as samples. They do not know, as we do, that our carnations are now, by our experts, nicely classified into exhibition and commercial kinds; and if they did know, they would not understand why an exhibition flower should not be an excellent article of commerce; or why a commercial variety should be unfit for exhibition.

Years ago, in the era of the small beginnings and humble establishments, we also had our flower shows, and a grower of carnations would pick 25, 50 or 100 blooms of one kind from a batch of 400 or 500 plants and compete creditably, and often victoriously, with other growers of the same caliber. Those blooms would convey a correct idea to the visitor at the flower show, of the degree of excellence the carnation had attained, and what people could expect to purchase in that line all the season through.

It is true, we see carnations now (only at exhibitions) that are superior to those that we had fifteen years ago, but superior only in size and stem, and inferior in fragrance, calyx, habit, keeping qualities and productiveness.

About fifteen years ago I cultivated five kinds one season; they were Silver Spray, Heintz's White, Grace Wilder, Tidal Wave, and Portia. In size the flowers averaged alike, with Heintz's White perhaps the largest; and I claim that the blooms of those five varieties then were as large, as long and as stiff stemmed, as bright (if not brighter) in color, and in other respects as good as those now found at our commission houses. They were better, however, in keeping quality, and especially in productiveness.

I grew carnations before that time, commencing with President Degraw and La Purité, and every year since have been trying nearly all the novelties offered, and thousands of my own seedlings, but have not yet found one that will send as much money into my pocket as any of the above five named did, though I admit we have had excellent sorts since then, such as Lizzie McGowan, Daybreak, William Scott, America, and others; but they all have gone, or are going, old and new, and the new ones especially are very, very short-lived—and why?

Having grown nearly all kinds of carnations for many years, and in the last ten years raised many seedlings, experimenting in various ways and trying several different methods of culture at one and the same time side by side, I dare say, by close and constant observation, I have come a little nearer to the solution of the above question and briefly will give the results:

Carnations with bushy, compact habit, broad, dark green, fleshy foliage, and sturdy, very stiff stems, do not stay long with us; but while they do, they like best a very stiff, heavy loam and but little in the way of so-called stimulants.

Carnations with narrow, light-green, grassy foliage are of value (if the flowers are all right) and live longer than most kinds, if their colors are in pink or white; red ones in this class are of no account.

All seedlings, which do not lose in size of flower and vigor of habit in the second and third year after their selection from a batch of yearlings, are worth keeping, while those that show a loss, even if they were the finest of the whole set, are decidedly N. G. But take good care of those which show a marked degree of improvement every succeeding season. Such are scarce, however.

The very best of our pets are in their prime, have reached their zenith, in their fourth year, and after that they gradually, often rapidly, go downhill, losing their vigor, declining to bloom or produce malformed, poor flowers—mere rubbish compared with what they once were.

Carnations grown for cuttings only in a cool house and not allowed to bloom, do not furnish any better material for propagating purposes than do those of their sisters in full flower and in a much warmer place.

Red carnations lose in point of productiveness sooner than the white ones; and white varieties sooner than the pink sorts.

All carnations will burst their calyx under certain conditions in their cultivation. There is no such thing as an absolutely non-bursting calyx.

Sprinkling overhead occasionally all the year round is better for all carnations, healthy or diseased, young plants or old, than the dangerous, so much recommended dry process.

Young stock should not be "pinched" or "stopped" before the first flower buds distinctly show, and should not be kept very cool, but encouraged to make a rapid growth from the beginning.

Carnations with the best constitution and longest life, but smallest flowers, are those raised from seed which was ripened in the Summer; and the shortest-lived and most valueless are those raised from cuttings rooted in the Summer from plants which have done duty in the greenhouse all Winter. Most of my best new varieties have sprung from seedlings, when both the parents were also seedlings in their first year; I have even used successfully single flowers on the one side.

These are a few of the conclusive results derived from my long experience and careful experimenting in the growing of new carnations and old standard varieties. And although I by no means believe them to be infallible guides to follow, or that my observations are even identical with those made by other growers under different circumstances and in different localities, I give them for whatever good they will do, to serve as valuable tips to some less versed in the difficulties and perplexities of raising high-grade paying carnations; to those who contemplate joining in the great race for that ideal far ahead—that carnation which will eventually unfold its grand petals to the admiring multitude; that will become the prototype of a new race of American carnations, consisting of 10 or 12 varieties, which will stay with us long enough after their formal introduction to enable us to make and enjoy their acquaintance, which will abundantly produce flowers that sell at sight all the year 'round; and which dozen varieties will take the place, in our greenhouses, of those threescore and ten kinds we are trying so hard to raise now.

Illinois. FRED W. TIMME.

Pansies and Geraniums.

As roses and carnations occupy first place in cut flowers, so are pansies and geraniums the leaders in the line of bedding plants. Countless thousands are raised annually to supply the demand. A few timely hints as to their culture will, I hope, not be considered superfluous, beginning with the remark, that it is still time to sow seeds of the one and root cuttings of the other to obtain nice plants for Spring sales.

It is true, pansies, if sown now, will hardly be sufficiently in bloom by the middle of April to enable our lady customers in making their selections to critically examine the flowers of every plant in the frame, which is so delightful to them and so trying to us. But, of course, we will have plenty of earlier pansies at that time ready for inspection; some which were sown as early as last year in August, and which are now wintering in cold frames; and we have others, and these I consider the principal and main lot, which are now nice little plants from seed sown in December. They will also be planted into frames outside as soon as time and weather allow.

Where pansies are bought and planted with the expectation that the beds will look neat and the plants remain in fine blooming shape all through the Summer, those sown in December and those sown now give greater satisfaction than others sown in August. Most of our patrons know that very well, for the wants and habits of no other plant are so well understood by the ladies of this and other lands as those of the pansy, and no other is so universally admired. Always procure the very finest strain, no matter how high the price; it will cut no figure when it comes to selling the plant. The gaining or losing of trade depends on this. Remember, also, that pansies want loose, well manured, very rich soil.

As to geraniums, they can be propagated at almost any time of the year, and they are also sold at all seasons and in all sizes, from the rooted cutting up to 5 and 6-inch pot plants. But to have good, stocky plants in May and June, in 4-inch pots, to supply the enormous demand for bedding purposes, those struck in September are certainly the best. If you still have these in 2-inch pots, lose no time in getting them into 3-inch, and in March or April give them the last shift into fours. Some growers, in the Fall, pot their rooted cuttings into 2½-inch pots and out of these into 4-inch pots in March, and very often much later if time is short. I do not approve of this method, though some good plants are grown in that way. I think this plan of growing is all right with some varieties, while some of our best kinds should invariably receive three shifts.

Pinching out the tops is now in order. Care and good judgment are needed to do this work well. Do not put boys to work at it under the impression that it is just the thing for them because it is easy. You will also get a lot of fine cuttings now, which, if inserted in sand or sandy soil, will make nice plants in 4-inch pots for Spring business, if well attended to from now till then. These you can start in 2½-inch and in April shift into 4-inch pots. Some of them will not be strong and bushy enough for the 4-inch size, and they can be sold out of 3-inch pots, or may be kept back for late sales. Give them plenty of bench room, and just break out the points of their tops, when they begin to grow fast. Never let a geranium get thoroughly dry in the Spring months; it hurts them more than over-watering, which latter, however, is the worst that can happen to them in the Winter.

So you see that even in growing geraniums constant watchfulness and good judgment must be employed to get fine plants, although it is generally supposed that good geraniums can be grown by any old woman, because the plant can endure more ill-treatment and abuse than any other common subject. Give them an airy, light bench and the fullest sunshine; a place close to the glass, if you have it, and lots of elbow room. They suffer much by crowding.

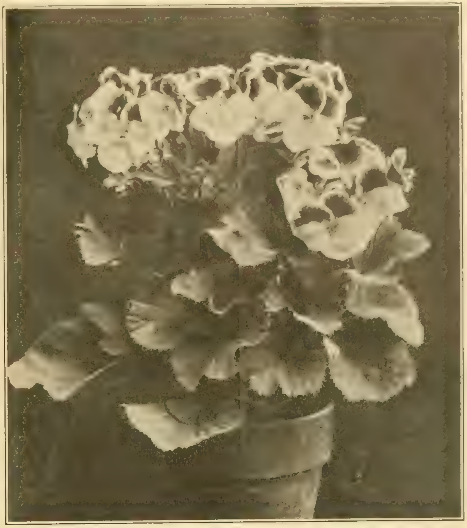
The best bedders at present are: John Doyle, Double Gen. Grant, Alphonse Ricard, Harrison and Bruant, scarlet; E. G. Hill and S. A. Nutt, crimson; Beaute Poitevine, Mme. Landry, Miss Frances Perkins and Jean Viaud, pink; and La Favorite and L'Aube, white.

Do not fill up your houses with old inferior kinds just because you have them and they filled the bill years ago. They don't now, and good newer sorts are as easy to grow and take up no more room than old raggy rubbish. Get some of the newer varieties every year; give them a thorough trial; get up a stock of the best ones and gradually discard old-timers.

FRED. W. TIMME.

Seedling Pelargoniums.

The accompanying illustrations represent some of the results obtained by Mr. Mitchell, of Inverkip, Ont., in the work of hybridizing the pelargonium. Mr. Mitchell has been very successful along this line. The stock of these seedlings has been secured by J. Gammage & Sons, of London, Ont., to whom we are indebted for the photographs as well as the subjoined descriptions of the varieties pictured:

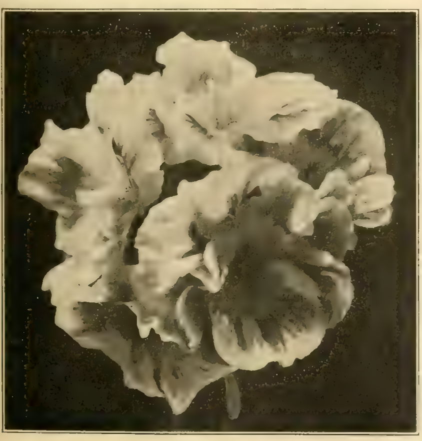


PLANT OF SEEDLING PELARGONIUM PATULLO.
From Cutting Struck in March. Photo Taken in May.

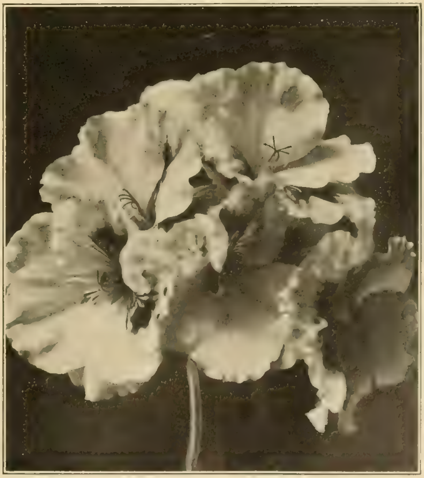
BEAUTY OF OXFORD, semi-double, a seedling from Mme. Thibaut; resembles its parent in general appearance, but is lighter and more delicate in its coloring; remarkably free flowering and of fine dwarf habit.

WOODSTOCK, single; a seedling from Mme. Thibaut and Dr. Andre; very large petals, and immense truss, with frequently ten open florets on a truss. The flower resembles a cattleya somewhat in appearance. The plant is very free flowering, commencing early and continuing until late in the season, being of the Andre type, but stronger.

PATULLO.—The photo illustrates a plant of this new variety in a six-inch pot, propagated in March and photographed in May. It is described by Mr. Mitchell as a seedling from Dorothy and Victor, with dark heavy blotches on the upper petals, the lower petals being light. Season from early to very late. Its chief merits are: Its freedom of bloom, and the short time in which a salable plant can be produced.



TRUSS OF SEEDLING PELARGONIUM BEAUTY OF OXFORD.



TRUSS OF SEEDLING PELARGONIUM WOODSTOCK.

Review of the Market

NEW YORK.—The cut flower trade is in a rather uncertain state at present. White flowers of nearly all kinds do not seem to be in such good demand, while colored stock is about holding its own. A dense fog has covered the city and the rivers on several mornings and as a consequence some consignments of flowers have been a few hours late in reaching the dealers' hands. No serious loss, however, has been occasioned thereby.

American Beauty roses are in shorter supply, and it has been possible to advance the price on the special grades, though of these there are comparatively few coming in. Golden Gate and Bride are not doing so well as they were, but the demand for Bridesmaid continues fairly good. These latter are on the increase in quantity, however, and there is a general weakening in values noticed among the fancy stock.

The birthday of the late President McKinley called for a god demand for carnations, and an advance in the price was possible on some varieties. In a few instances 10c. were reached for Mrs. Thos. W. Lawson, though the flowers were only in small lots. By the hundred they went at from $5.00 to $8.00, according to quality. Ordinary grades of the common varieties of carnations are still being disposed of at $2.00 and $3.00 per 100.

Lily of the valley and Roman hyacinths, together with White narcissus, are dragging and difficult to clear out at the quoted prices. Particularly so is this the case with the last mentioned stock. Trumpet Major and Golden Spur narcissus are moving much better and prices are firmer. White tulips are going slow while the colored ones are meeting with a fair demand. Some double pink tulips are coming in for which 75c. per dozen is realized, while good red and yellow ones bring $4.00 per 100.

Cattleyas are selling fairly well, and where flowers of extra size are obtainable it is possible to get $1.00 each for them. The average price, however, is about 60c. each.

Lilac is not moving so well and some bunches are going to waste, even though they are offered at 50c. and 75c. a bunch.

Harrisii lilies are selling well, and $2.00 per dozen is realized for the very best.

Maidenhair fern and asparagus are moving satisfactorily, and smilax seems to be going better than it did a week ago.

BOSTON.—Market conditions here are about the same as last reported. Trade is quiet and the supply short. Good roses and carnations are particularly scarce, especially white ones. American Beauty are not at all plentiful, and Queen of Edgely have been scarce for two weeks or more. The fancy special American Beauty make $7.00 to $8.00 per dozen, with extras at $5.00 to $6.00 and No. 1 at from $3.00 to $4.00. Bride roses are scarce and are sold out daily, the specials easily making $3.00 per dozen, with No. 1 at $2.00 and $2.50. The small to medium grades bring from $6.00 to $12.50 per 100. Bridesmaid are more plentiful than Bride, but more of the finer grades might be disposed of. Values range about the same as those on the white roses. Meteor and Liberty, too, of the better grades sell on sight, the finest of the former making $16.00 per 100, while corresponding grades of the latter reach $25.00. Smaller grades of both range from $5.00 to $15.00 per 100, and, as is the case with all roses, the daily receipts are easily disposed of.

Though carnations are in fair supply the really good ones are scarce, and the scarcity of good roses occasions an extra demand for carnations. The best of the ordinary kinds make $3.00 per 100, with fancy stock at $4.00, while the fancy sorts and novelties realize $5.00 and $6.00 per 100. Inferior stock sells at $2.00 and $2.50.

Lilies continue in good supply at $10.00 to $12.50 per 100, callas making the same prices in the better grades with smaller stock at $8.00. The supply of jonquils has shortened up perceptibly this week, and have been scarce for two or three days, easily realizing $4.00 and $5.00 per 100. Von Sion are coming in in limited quantities, but are not very well colored yet, they sell fairly well at $5.00 and $6.00 per 100. Tulips are improving in quality and quantity, and move well at $3.00 and $4.00 per 100. Paper White narcissus and Roman hyacinths hold at about the same figures as last week. Mignonette is in fair suply, but is not as good as usual. Smilax sells well at $15.00 to $20.00 per 100. Violets are in good supply, but meet with a light demand for the season, realizing from 50c. to 75c. per 100. Lily of the valley is very draggy, though the prices hold about as usual. F. J. N.

DETROIT, MICH.—The demand far overreached the supply the past week. White stock is being mostly called for on account of numerous large funeral orders. Meteors find ready sale at good figures, as do other roses. There has been a scarcity all around, especially so in white carnations. Everything is cleaned up, even bulbous flowers do not remain long on the tables. DILGER.

CHICAGO.—With the receipts still on the decline the market is steady, with prices about the same as last week. The supply of roses is below the demand. Consignments of long-stemmed American Beauty have fallen off considerably, there not being near enough of these flowers to supply all orders. Prices are quoted at from $5.00 to $6.00 per dozen, for extra long; while medium and other grades are bringing from $1.00 to $4.00 per dozen. Bride and Bridesmaid roses realize from $6.00 to $15.00 per 100, the latter for extra fancy stock; Golden Gate, $6.00 to $12.00, Ivory, $6.00 to $12.00; Meteor, $4.00 to $15.00; Liberty, $6.00 to $25.00 per 100; the latter for extra long-stemmed flowers. Sunrise brings from $6.00 to $10.00; Mme. Abel Chatenay, $10.00 to $15.00 per 100.

The supply of carnations is not so large as that of a week ago, and good prices are realized if the stock is of any quality at all. The demand seems to be mostly for white and red flowers. Prices range from $1.50 to $4.00 per 100, the former for stock that is very poor. Prosperity is bringing from $6.00 to $8.00 per 100, and almost any kind of a good white carnation will easily command from $3.00 to $4.00 per 100.

Violets are still very erratic. While some good prices are realized for a certain quantity, the great bulk of the violets seems to go begging, and have to be closed out at a very low figure. The prices run from 60c. to $2.00 per 100, the latter for extra good stock, the major portion of the sales are at from 60c. to $1.50 per 100.

Bulbous stock is still seen in considerable quantities. Tulips are on the increase, but there are not so many Roman hyacinths as heretofore. Harrisii lilies are arriving in larger quantities, and bringing from $1.80 to $2.00 per dozen. Roman hyacinths and Paper White narcissus bring from $2.50 to $4.00; tulips from $2.00 to $4.00 per 100; freesia, $3.00 to $4.00; mignonette, $4.00 to $8.00 per 100; lilac, from 75c. to $1.00 per dozen sprays. Sweet peas sell at $1.50 per 100 and are very hard to move at that price. They do not seem to take at this time of the year. A few poinsettias are seen, and sell at from 75c. to $2.50 per dozen. R. J.

INDIANAPOLIS, IND.—A large number of orders and a scarcity of good stock characterized the past week's trade. Funeral work has been plentiful. Market trade, too, has been above the average for those fortunate enough to have stock left to take there. There has been a good demand for carnations and nearly all grades have been readily sold. Roses have been scarce and are unsatisfactory, because of the prices which are too high when the grade of stock offered is taken into consideration. The flowers are beginning to show the effects of the dark, damp weather. The call for good Bridesmaid roses has been exceedingly large and there have not been enough of them to fill orders. The retail prices remain about the same as during the previous week. There is an oversupply of violets at present, despite the fact that a great many are sold. $1.00 per 100 wholesale is obtained for good doubles. They are retailed at 25c. to 50c. per bunch of 25. The first freesias have appeared and sell readily at 50c. per dozen. Lily of the valley retails at $1.00 per dozen. Tulips are higher in price than usual, due to the increased price of bulbs, few are sold at less than 75c. per dozen. Narcissus have helped much on funeral work, but few are disposed of for other purposes.

Flowering shrubs of all kinds are being brought in from the forcing houses. They help to decorate the stores and windows even though they are disposed of at low prices. I. B.

KALAMAZOO, MICH.—Business since New Year's has been good in both home and shipping trade. Social events have been numerous and some good funeral orders have been received. Prices have been held stiffly, and roses are still quoted at $1.50 and upwards, while standard varieties of carnations reach 75c. and the best grade $1.00 per dozen. Violets bring 25c. per dozen. Wholesale quotations follow those of Chicago pretty closely in most lines. Stocks are disposed of very readily, and it is expected present prices will remain in force sometime as there is no likelihood of surplus for some few weeks yet. The weather is too dull and cloudy for the time of the year to help much yet. S. B

CLEVELAND.—Trade is still very brisk and all flowers are eagerly sought. As a rule prices are up to holiday quotations. Good stock is selling higher than ever before at this season, and the quality of the cuts is better than usual. Prices for the week were as follows: Roses, teas, $5.00 to $10.00; some selects bringing $12.00. carnations, fancy, $3.00 to $4.00, ordinary, $2.00 to $3.00; lilies, $15.00 to $18.00; violets, $1.00 to $2.00; Roman hyacinths and narcissus $2.00 to $3.00; lily of the valley, $3.00 to $4.00, smilax $15.00, adiantum, $1.00 to $1.50; common ferns, $1.50 per 1000; galax leaves, $1.00 per 1000. G. W. S.

PROVIDENCE, R. I.—Business still comes with alternate spells of rush and quiet, but altogether to our liking. Sometimes the shortage of white stock is very distressing, but with the help of miscellaneous flowers, such as tulips, narcissus and callas, we somehow manage to patch out all right. Roses have advanced in price, just on the eve of a new and bountiful crop. Everything is beginning to look more cheerful with the growers, and, provided we all work fairly, this means a successful season ahead. Prices remain steady, as heretofore quoted. C. S. M.

HARTFORD, CONN.—Business was never better in this locality than at the present time; in fact, ever since Christmas there has been a steady demand for flowers. A number of funerals as well as many social affairs have used up quantities of stock the past week. Flowers of all kinds are scarce and the demand is much greater than the supply. Some very good roses are in the market, principally Bridesmaid, Bride, Golden Gate and Ivory, but many more could be disposed of if obtainable. The retail prices of roses range from $1.00 to $2.00 a dozen. Carnations are also in good demand and are hard to get. The better varieties are most called for and sell at from 75c. to $1.50 a dozen. The supply of violets has been about equal to the demand up to the present week. There was a shortage the first part of the week, owing to the extra call. Quantities of white tulips, Roman hyacinths, lily of the valley and Paper White narcissus are being used in funeral work. Daffodils have just put in their appearance. Azaleas, cyclamen, primroses and cinerarias, in plants, are also selling well. J. F. C.

DENVER.—Business for the past two weeks has run along quietly, with exception of the last three days, when a shortage of flowers in all lines was noted. The market had been stocked, with not much demand for anything excepting white flowers for funeral work. The last three days, though, the stores have been well cleaned up, and we look for a good run of business from now on. There have been no large decorations lately, though numerous little affairs are going on. We are enjoying an exceptional stretch of weather (too bad we can't loan a slice of it to the East, while coal is scarce). The nights and early mornings are a bit crisp, but the days are Summer-like, and those who haven't overcoats don't need them. On Saturday afternoon last the thermometer stood at 60 degrees in the shade. This only stands for Denver, though, for in some parts of the State the people are "enjoying" four feet of snow, and below zero weather. S.

LOUISVILLE, KY.—As up to the present time the sun has refused to show itself, the report from here reads about the same. There are no home-grown violets in numbers enough to speak of. Roses are scarce, and those that do come into the market show the lack of sunshine. Considering conditions, carnations are doing very well. Roman hyacinths and Paper White narcissus are arriving in quantities about equal to the demand. They sell very readily, especially as the price on these has not been raised. Business continues satisfactory; especially brisk has been the demand for funeral work. The prices received are not always satisfactory when wholesale prices of the stock is considered. Retail prices are: Roses, $1.50 to $3.00 per dozen; American Beauty, $4.00 to $10.00 per dozen; carnations, 50c. to 75c. per dozen; violets, $1.00 to $3.00 per 100; lily of the valley, $1.00 per dozen; Paper White narcissus, 50c. to 75c.; Roman hyacinths, 50c. per dozen.

Plants in bloom have been selling very well, in particular such as can be sold at from 50c. to $1.00 each. A. R. B.

Philadelphia.

Excessive Express Charges.

It has been arranged that the advance in express charges on cut flowers is to be the chief topic for consideration at the meeting of the Florists' Club on Tuesday next. President Westcott has appointed the following committee on this matter: S. S. Pennock, A. B. Cartledge, William P. Craig, Charles E. Meehan and George C. Watson. This committee is instructed to gather information and prepare resolutions which will be submitted to the meeting. The matter will then be open for discussion, and such action as the club may deem best.

In conversation with the retailers and commission men on this subject, it is generally conceded that there would be no objection to the increase of rates if better service was guaranteed, viz., quicker delivery, and more careful handling of cut flowers. But up to the present nothing has been done along this line. At Christmas time the Adams Express Company had 28 cars of express matter that arrived in this city and remained untouched for three days. Then, again, on outgoing packages one firm delivered to them 20 packages, prepaid, and got a rate on only seven. This means that no charges could be entered up until the other rates were received. Then, as to the extra charges, Leo Niessen states that during December the charges on goods he shipped amounted to $1,500.00, or $500.00 above the old rate. He also stated that he has one consignor who now pays $15.00 per week on flowers sent in; this is $5.00 more than he used to pay.

The growers around Lansdowne are all sending in their flowers by wagon. Some five or six of them have combined and engaged a local express wagon, which brings in their flowers every morning, the charge being about the same as the old rate exacted by the express company, but the delivery is quicker.

In regard to any action taken to combat the excessive charges, it is generally conceded that something must be done direct at the chief officials of the companies. It is useless to deal with local officers. So it is hoped that a large attendance will be present on Tuesday next to discuss this matter.

Coal Supp y.

Conditions are now much better and every one feels easier. Many growers have had to pay exorbitant prices in the past few weeks, but a wholesale dealer informed me that on Tuesday last soft coal was selling at $4.00 at the mines; and one party who uses 40 to 50 tons a month is this week getting Lyken's Valley buckwheat from a local dealer at $4.50 per ton, in four to five-ton lots.

General News.

W. Perry Brush, representing the Chadborn Manufacturing Company, Newburgh, N. Y., who make the Chadborn automatic ventilators, has spent 10 days in this city and done good business.

Invitations are out for the marriage of Robert Craig's eldest daughter, Edna Mayne, to David Henry Lank. The interesting event will take place on February 17.

Schedules for the combined exhibition of the Pennsylvania Horticultural Society and the American Rose Society, to be held here March 24, 25 and 26, are issued. Copies will be gladly sent to all applicants who will write to either Leonard Barron, 136 Liberty street, New York, or the secretary of the Pennsylvania Horticultural Society, Horticultural Hall, Broad street, Philadelphia. DAVID RUST.

Bowling.

BOSTON.—The boys are displaying no little interest in bowling here now, and it is proposed to start a bowling league to be composed of teams to be designated Growers, Wholesalers, Retailers and, if it is possible to get the seedsmen interested, a team of seedsmen. Arrangements have been made to get the boys together and select the strongest teams from the different branches, and it is hoped to begin the league next Wednesday night. Edward MacMulkin, the Boylston street retailer, has expressed his willingness to offer a cup to the team winning the league, and individual prizes are also spoken of to encourage the boys, and there seems to be no reason why here in Boston we should not be able to get together once a week for such wholesome sport as bowling is.

On Wednesday night, at the Boylston alleys, the following scores were made:

NICHOLSON'S TEAM.

	1	2	3	Totals.
Nicholson	103	84	84	271
Gilson	69	83	88	240
Flanagan	59	92	79	230
Roberts	70	66	65	201
Brady	60	68	73	191
Halloran	60	70	80	210
	421	463	469	1,353

CHARNOCK'S TEAM.

	1	2	3	Totals.
Charnock	80	80	66	226
Barrett	62	76	63	201
Harrigan	86	79	72	237
Houghton	66	53	75	194
Welch	80	74	68	222
Norton	72	85	86	243
	446	447	430	1,323

SARATOGA SPRINGS, N. Y.—During the night of January 22, Charles Ludwig suffered a severe loss by fire. About forty feet of a one hundred foot house devoted mostly to large palms was destroyed. A defective brick flue by which the house was heated, was the cause. He is said to have had some insurance.

Canadian News

More Life Needed.

Canadian correspondents seem to have relaxed their efforts somewhat in the maintaining of the Canadian page. The news from the larger centers has appeared quite regularly until lately. The cessation, however, may be only temporary, but I have often wondered if there is no news of interest in such places as Kingston, St. Thomas, Brampton, Chatham, Woodstock, Quebec, St. John, Victoria, Winnipeg, Halifax, etc., or is it that there is no one in those places sufficiently interested to send occasional notes? No doubt the Editor would accommodate all the news (even if he did have to use his pencil at times) and it would be most gratifying to every Canadian to see the business interests of his country properly represented.

The now rapid development of Canada demands increased activity in every line of business. Don't get behind, florists, put more life into the Canadian page. CANUCK.

The Ontario Fruit Growers' Association.

This association was organized many years ago at Hamilton by the fruit growers of the Grimsby and Niagara districts. It has enjoyed a steady growth in all parts of Ontario, and now includes quite a few members in the other Canadian provinces. It has a membership of over five thousand and holds an annual Winter convention, always in a locality where there is considerable interest in fruit growing. This Winter the meeting was at Walkerton, and a decidedly new feature was introduced in the holding of a special session devoted to floriculture. This was considered a great success, and will no doubt be repeated next year. The following papers and addresses were contributed: "Outdoor Roses from a Canadian Standpoint," C. M Webster, Hamilton; "Hardy Decorative Shrubs and Plants," William Hunt, O. A. C., Guelph; "Winter Window Gardening," Arch. Gilchrist, Toronto Junction; "The Town Beautiful," C. L. Stephens, Orillia; "The Gladiolus and Its Propagation," R. B. Whyte, Ottawa; "Roses," T. H. Race, Mitchell; "The Benefits of Horticultural Societies," J. S. Scarff, Woodstock; "Hardy Annuals," P. W. Hodgetts, Department of Agriculture, Toronto; "Some Perennials I Have Grown," H. J. Snelgrove, Cobourg, and "Insects in the Garden and Greenhouse," Dr. James Fletcher, Ottawa. Many of these papers will no doubt appear in the association's organ, The Canadian Horticulturist. B.

Toronto.

Club Meeting.

The January meeting of the Gardeners and Florists' Association was held on the 20th, and was the most representative gathering we have had for some time. Considerable business was outlined for the coming year. If it is all carried out, 1903 will be the banner year of the association. It is decided to start out, on the 5th of March, with the annual carnation meeting. St. George's Hall has been secured for the show, and a committee appointed to obtain suitable vases. It was decided to have all the vases made alike and stamped with the association's stamp. George Mills will again be superintendent; and as it is expected an executive committee meeting of the C. H. A. will be held here about the same time, there is no doubt but we shall have a good show, visited by members of the craft from all over eastern Canada. The handsome challenge cup offered for the vase of the best carnations in the show, won last year by the E. G Hill Company, of Richmond, Ind., with a vase of Adonis, will be up again for competition. This cup has to be won three times before it becomes the absolute property of the winner.

The next important matter will be the C. H. A. meeting, which, it hoped, will be held here during the first week of our exhibition. The trade exhibit is expected to be the best we have ever had. The meeting will be a very important one, and the boys here expect to make it especially interesting.

The next matter before the association is a very extensive flower and chrysanthemum show in November. This will be on a much larger scale than ever before, and we expect to have the co-operation and assistance of both the Electoral District Society and the Horticultural Society. The executive committee is expected to make a full report on all these matters at our next meeting.

The News.

The meeting of the Toronto Electroal District Society was held last week. The secretary reported a successful year. The officers elected were: R. J. Scoor, president; J. Chambers, first vice-president; T. Manton, second vice-president; directors, H. Simmers, Captain McMasters, George Vair, J. R. Leslie, E. S. Cox, T. McQueen, J. O. Orr, W. R. Frankland, and B. Sanders.

The representatives to the Industrial Exhibition are: R. J. Scoor, J. Chambers, J. O. Orr, T. McQueen, J. R. Leslie, H. R. Frankland. A meeting of the board will be held early next month, when the work for the year will be mapped out.

The Gardeners' and Florists' Union.

This union submitted a letter of which I enclose a copy, to J. H. Dunlop, on January 16. Just why the union selected Mr. Dunlop to start with I have not been able to find out; the president and other officers will not talk anything but generalities. Mr. Dunlop is the largest employer in this line in Toronto, and to his good men pays the best wages in the trade. His men are all paid by the hour for whatever time they work, and so far as I have been able to discover the older men are about satisfied with the general run of things on the place. But the young men, being in the majority and being perhaps more unreasonable, decided to send the letter referred to, which was intended as a request to Mr. Dunlop to meet them in the matter, but which really reads like an ultimatum. Upon receiving it, Mr. Dunlop decided to take a firm stand. He intimated that he was ready to meet them, but only one faced the music. On Tuesday night Mr. Dunlop called them all together in the packing room and addressed them in a body. He pointed out how impossible it was to apply rules to ours that easily fits other businesses. He told them he was ready to discuss the subject with them at any time, and asked those that were not satisfied to say so. All are back at work again, the same as before, and so ends a most ill-advised attempt to alter the condition of things.

COPY OF LETTER REFERRED TO.

At a regular meeting of this Union, held on January 14, your employees decided to submit to you, through the Union, the following scale of hours and wages, and request you to consider the same to take effect February 1:

HOURS. Nine hours to constitute a day's work, fifty-four hours a week's work, and Saturday half holidays from first of May to October 1.

WAGES.—Foreman, 35c. per hour; men in charge of departments, 27½c. per hour; first gardener, 22½c. per hour; minimum wage to be 20c. per hour. Apprentices and improvers to receive an increase of 3c. per hour.

OVERTIME.—All over nine hours per day, fifty-four hours per week, to constitute overtime, and payable at the rate of time-and-one-half.

Should you wish to consult your men in regard to this, we have appointed a committee consisting of Messrs Turp, Milne, Milligan and Atkinson, to deal with this matter We hope to have your reply by the 21st of this month.

JAMES A. ATKINS, President.
DAVID COOPER, Secretary.

Now, Mr. Editor, I think that if those comprising the union will listen to its older members they can find many things which are wrong that they can help to put right; but they cannot do this in a business like ours, as would be done in a factory which can be closed down and opened at will. If a place like that of Dunlop, or any other grower, were closed down at this time of the year for even one day, everything is lost; and men who would think of doing such a thing would never have the sympathy of the craft in general. In fact, the qualities that make a good gardener render him entirely unfit to try to do such a thing; and though business men ofttimes take advantage of their qualities, still good growers are getting to be better appreciated every day, and, I think, this condition will continue. T. M.

Hamilton, Ont.

We have enjoyed warm Spring like weather for the greater part of the week. The remark, "This is easy on the coal-bin," has a real significance this Winter.

F. G. Foster & Son have closed their King street store. There is an opening in this city for a good flower store, operated by an enterprising individual who could gather together and sell to better advantage the quantities of fine stock which are grown here

George Wild, well known in Ontario as an exhibitor of flowers and fruit, now rejoices in the title of alderman.

The parks board has a useful new member in the person of F. E. Walker. Thomas Kilvington still retains his position on the board.

Violet day, January 22, was not a success from the florist's point of view. There were not nearly enough to go round. John Morgan had a limited quantity of very good flowers, but E. G. Brown's violets were entirely off crop. It should be made a point to bring a good crop in for that day next year, otherwise artificial flowers are sure to become the fashion. A great impetus to the celebration of the day was given by bringing it to the notice of the children in the city schools.

BEAVER.

Montreal.

News Notes.

Victoria day was very quietly observed. The violet, which is the chosen flower for this day, was not seen; nor was there any appreciable increase in the quantity sold. No doubt the extremely cold weather was responsible. Some handsome designs were placed on the statue of the late Queen.

The Albani concerts were expected to make things lively for the trade. Expectations here again were not realized.

Through using soft coal in a "Daisy" furnace, T. Ware had an explosion, which wrecked the boiler, and before a new one could be put in position the house of carnations was badly frozen.

Logan Girdwood, the violet specialist, is having his usual success this year with his specialty. While the demand for both double and single is away below the average, he thinks that the proportion of singles called for is larger than of the doubles.

We note the query of "Beaver" regarding the commission on plants the wholesale man should grant the retailer, and we will endeavor to answer the question at a later date. B.

THE MARKET

TORONTO.—Business is fairly good, with stock still very scarce. Roses are in smaller supply than I have seen them for several years. The weather has been very dull and most of our best growers, even though they have coal to burn, have not been able to get many roses lately. Carnations are more plentiful and generally are very good. The majority of our growers are sending in splendid flowers, the newer varieties being especially good. Violets are fairly good and plentiful, and are selling well Callas are coming in more freely. Tulips are getting fairly plentiful and moving satisfactorily. Freesias are also good and fairly plentiful. Cypripediums have been fairly abundant all Winter and have sold well, but are now about done. Other orchids have been scarce, and there has been quite a demand for them. The prices on roses are up to Christmas figures, and from the look of most of the growers' places they are likely to keep up for some time T. M

MONTREAL.—The high prices charged for cut flowers is still acting as a detriment, and sales are depressingly small. Funeral work is fairly plentiful and as many other kinds of flowers than the standard lines can be used, prices are relatively lower. Coal is still as scarce as ever and the weather as cold. Roses are very scarce, indeed; some varieties are nearly unobtainable. Carnations are more plentiful Violets are in supply, but they seem to have gone entirely out of fashion Flowering plants are getting more plentiful again but there is no great demand in this line either. B.

Canadian Cut Flower Prices.

HAMILTON, ONT.—Bride and Bridesmaid, No. 1, $8.00 to $10.00; Liberty, $12.00 to $15.00; carnations, inferior grades, all colors, $1.25 to $2.00, standard varieties, $3.00 to $4.00; adiantum, $1.50; callas, $8.00 to $10.00; daffodils, [illegible] to $3.00; hyacinths, $2.00 to $2.50; smilax, $15.00 to $20.00; tulips, $2.00 to $3.00; violets, $2.00.

For some weeks there has been a scarcity of flowers in almost every line. As, however, the retail prices demanded are low, it does not pay to supply the demand from outside sources to any extent. BEAVER.

MONTREAL.—American Beauty, fancy special, [illegible]; extra, [illegible]; Bride and Bridesmaid, [illegible] to [illegible]; Golden Gate, $10.00 to [illegible]; Liberty, [illegible] to [illegible]; Meteor, [illegible]; Mrs. Pierpont Morgan, $10.00 to $15.00; Perle des Jardins, $8.00 to [illegible]. Carnations, standard varieties, white and pink, [illegible] to [illegible], red, $4.00 to $5.00. Asparagus, [illegible]; callas, [illegible]; freesia, [illegible] to [illegible]; lily of the valley, $2.00 to [illegible]; mignonette, [illegible] to $4.00; narcissus, [illegible] to [illegible]; smilax, [illegible]; violets, $1.00 to [illegible]. B.

CAUGHT ON THE FLY.

EASTON, PA.—H. Kleinhans reports having had a very good holiday trade. Chas. Buenning says business was very good in both his Easton, Pa., and Phillipsburg, N. J., stores. The coal question is a little easier.

BETHLEHEM, PA.—Chairman is moving along quietly in his old style.

SOUTH BETHLEHEM, PA.—H. Vorwaelker is the name of Williams' successor. He says trade is fair, but he was on the verge of closing up last week on account of scarcity of coal.

ALLENTOWN, PA.—Ernest Ashley, the former representative of H. A. Dreer, is doing very nicely in his new departure as a retail florist and seems to enjoy the same popularity with his patrons as he did with the trade. Horn Bros., report trade very fair. They have now one of the finest ranges of houses in this part of the country. They certainly were lucky in getting about 150 tons of coal early in the Fall. It is rumored here that Ellsworth is to re-embark in the retail trade.

WILKES-BARRE, PA.—Marvin's is certainly a very busy place and it is kept up to New York ideas in every respect. Eldridge & Co., have had fair business of late. W. W. Moore & Co., have been quite busy. A. Schelegman & Son are holding their own

Coal is just as scarce here in the heart of the coal region, as anywhere else. Orders cannot be filled under three week's notice.

SCRANTON, PA.—Marvin & Muir are certainly to be commended upon the general appearance of their establishment and up-to-date methods employed by them. Mr. Muir says his must be a New York store or nothing. The Scranton florist supply people seem very busy. W. H. Davis has some very fine houses of lilies and roses, despite the shortage of coal. G. R. Clark claims he has not a complaint to make.

ITHACA, N. Y.—Bool & Co. are very busy with funeral work the busiest place I have seen, so far, this year. Foote & Co. hold their own.

CORNING, N. Y.—G. W. Gardner is a busy man.

G. W. GOLDNER.

Araucaria Excelsa

Fine plants, from 5 in. pots 4 tiers, $6.50 per 10.
Asparagus Plumosus, 2½ in., good stock, $6.00 per 100.
Kentias, from 4 in. 5 leaves, $35.00 per 100.
Crimson Rambler Roses, 2½ in. $4.00 per 100.
Geraniums, best florists' varieties $3.00 per 100

Book your order now for Shrubs and Hardy Roses.

WEBSTER BROS., Plantsmen,
Hamilton, Canada.

CARNATIONS

We are the HEADQUARTERS in

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for Rooted Cuttings of all the New and Standard Varieties of CARNATIONS.

Enchantress **Mrs. Lawson**
Adonis **Prosperity**
Murphy's White **The Marquis**
Glacier

AND TWENTY-FIVE OTHER VARIETIES

WRITE FOR PRICE LIST.

J. GAMMAGE & SONS
LONDON, CANADA.

A Trip to Top of Mount Mitchell.

At the convention of the S. A. F. O. H., held last August in Asheville, N. C., one of the attractions was a stereopticon lecture upon the "Apalachian Forest Preserve," by Dr. C. P. Ambler. The interest in this great woodland district stimulated a party attending the convention to make a trip to the top of Mount Mitchell, which is the highest point of the Black Mountain bunch of peaks, and is itself the highest piece of land east of the Rocky Mountains, being rated at 6,711 feet above sea level. This trip called for a sheer ascent of over 4,500 feet from the base of the mountain at "Old Man Tyson's."

The party was led by Joseph Heacock, of Wyncote, Pa., and comprised in addition, Messrs. Robert Kift and S. S. Pennock, of Philadelphia; J. D. Nunamaker, Columbia, S. C.; Geo. C. Schaffer and Otto Bauer, of Washington, D. C.; Henry Moon, Morrisville, Pa.; George W. Wienhoeber, of Chicago (who read one of the brightest papers presented to the convention. George is parading the grandchild of Mr. Tyson in the picture, and while so engaged was "snapped" by one of the party); Benjamin Hammond and Miss Hammond, of Fishkill Landing, N. Y., and Miss Beatty, of Pittsburg, Pa., daughter of the respected treasurer of the Society, and young Ned Heacock. Six mules and three horses carried the provisions and riders. Not having enough mounts, some of the party took turns in riding and climbing.

Anyone who has not been into a primitive country can realize but faintly what a climb of six hours means through a dense, unbroken forest, over the only trail, that made by the water as it ran down the sides of the mountain. Rhododendron and laurel grow thickly among the oaks and chestnuts—and such chestnut trees! straight up, branchless as northern or southern pines, 50 or 60 feet in height.

Up and up we went, over fallen trees, over boulders or broken crags, steeps as sharp to climb as stairways, hour after hour, into a mountain shower that seemed not to come down by drops, but as though we walked into a wall of water, drenching everyone but two, who, by some means, had umbrellas for alpen stocks.

Our guide, Joseph Henderson by name, tall and spare in build, good-natured and tireless, led the way to the "halfway house," a shelf on the mountain that once was a bit of a clearing. The whole section of the mountain was covered with wild boneset in flower. All that remained of the dwelling was a wrecked chimney.

The writer had been assigned to the finest jack mule of the lot, with the distinct admonition to keep at the end of the trail, because the beast kicked. Obeying this injunction, we remained too far behind. This wild boneset showed no path, so in making a bee line through it, suddenly the mule showed speed of uncommon kind. It turned out that mule and man had gone into a nest of yellow jackets. A mule may be a slow animal, but it would take a good trotter to keep pace with it when yellow jackets fasten on the long-eared animal.

With rising altitude came a decided change in the trees. Leaving the oaks and chestnuts behind, came hemlocks, spruce and Canada firs at last; and it is the dark foliage of the latter that gives the name to the Black Mountain range.

Among the mountains is the home of the bald-headed eagle, that soars over the deep, abyssmal valleys of living green, and alights on the tops of the peaks. These birds fly like specks in the sky; but nearer, by the splendid sweep of wing, and poise, they give one an idea why the men of past generations chose this bird—in its native haunts magnificent to behold—as the national emblem of the United States; but this eagle, when seen in cages in public parks, looks only miserable and foul.

All this great wooded mountain land is covered with leaf mould saturated with moisture, and is the reservoir for the headwaters of the rivers which flow east and west.

At dusk the party reached the top of the highest piece of ground in the whole Atlantic side of the continent, and stopped face to face before the grave and monument—a shaft 12 feet high, made of zinc—with this inscription:

"Rev. Elisha Mitchell, D. D., who, after being 30 years a professor in the University of North Carolina, lost his life in the scientific exploration of this mountain in the 64th year of his age, June 27, 1887. Erected 1888."

Strange, almost, to say, that in this vast solitude, away up in the clouds, vandals had shot their bullets freely into the monument, and visitors by the dozen had written their names over the face of it.

The chill, damp mist was thick on the mountain top; sliding down the eastern face perhaps 50 feet, there was a slight shoulder, and upheaved rocks formed a cave of some size. Our guide soon cut down two good-sized fir trees, which, with some coaxing, gradually were made into firewood, and a smoky fire—that smoked out all who had taken refuge in the cave—was soon burning. Then came supper, of Uneeda biscuit, canned corned beef, and only such coffee as a mountain guide can cook.

A bed of dried fir boughs—in fact, a natural spring mattress—with a blazing fire without, the warmth from which now filled the cave instead of biting smoke, made all feel drowsy, and an attempt to sleep began, which was interrupted by the guide, "Charley Roundface," coming back and deliberately asking if someone would like a pillow. We had been searching for stones for pillows. At this time, about nine o'clock, and past, the mist and clouds broke away, and there, looking out over the eastern sky, rose the nearly full moon, the mountain peaks standing like islands in the sea, all around and below the white clouds covering the valley and ravine like the foam of the mighty ocean.

Next morning the party slept rather late. We had no looking-glass, but with the exception of one or two, all looked pretty well fagged; and as we stood up after breakfast, in front of what Robert Kift called "our home on the mountain," the cave, the party looked as seen in the picture. With the thermometer at 51 degrees, the heavy mists obscuring the sun, we started back, and after six hours reached the home of A. A. Tyson, an old Confederate soldier, who fought under General Lee for three years, and surrendered his gun at Appomattox. Over the open fireplace in his best room there stands out boldly a motto with this inscription: "Kept by the Power of God."

Thus ended a side trip from the convention at Asheville, a trip which everyone enjoyed, even though it was hard work; and the half has not been told. BENJAMIN HAMMOND.

Fishkill-on-Hudson, N. Y.

S. A. F. CONVENTION DELEGATES ON MOUNT MITCHELL.

Horticulture has been chosen by the trustees as one of the five subjects in the post-graduate course of the Agricultural College, Amherst, Mass., for obtaining the degree of Ph. D. The trustees have appointed G. A. Drew instructor in horticulture.

QUESTION BOX

Trouble With Heliotrope and Cycas.

(16) I send you some affected leaves of heliotrope and cycas. The heliotrope is from young plants, cuttings of last Fall and just coming into flower, and the cycas are from plants in seven and eight inch pots, with eight or nine leaves, each from twelve to fourteen inches long. All of these have been growing in a north and south, even-span house, with a temperature of 55 to 60 degrees at night. W. & N.

—If the heliotrope is planted on the bench, commence giving a little weak liquid manure once a week, and syringe only on bright mornings, to insure the foliage drying off well before night. Pick off all the discolored leaves and if the branches are at all crowded spread them out more, so as to allow the air to have freer circulation. If the plants are in pots, however, they should be re-potted and kept growing, as being rootbound would cause the leaves to fall and wither.

The cycas evidently never made sufficient roots, hence the poor undeveloped fronds.

Repot into fresh soil and keep the plants rather on the dry side until a new growth of fronds springs from the center; then give water more freely, and keep the cycas in the warmest corner of the house.

Flowers from Seed for Decoration Day.

(17) What kinds of flowers, if any, can be started from seed and brought into bloom for Decoration Day? Also what are the leading varieties of both annuals and perennials which a retail florist who raises his own flowers can depend upon for cut blooms through late Spring and early Summer, when cut flowers are so scarce? IGNORANCE.

—We do not know of any annuals, the seed of which could be sown now and the plants produce cut flowers for Memorial Day, with the exception of stocks. There was a time when verbenas, alyssum, petunias, etc., could be sold as cut flowers, but they do not go in that class any longer.

For Spring and early Summer, one can have sweet peas, iris, peonies, antirrhinum, lilac, cornflowers, mignonette and pansies.

Salt for a Lawn.

(18) Is common salt good for a lawn; I mean a well-established lawn; if so, how much should be used to the acre, and how should the salt be applied? What effect has the salt on the grass? Is there a better fertilizer than the following, which I have used, for an old sod: Ashes of wood and leaves, old cow and horse manure, and sheep manure composted and well mixed? E. C.

—Common salt has never shown much definite results when used as a manure, and we fail to see of what benefit it would be to apply it on the lawn. The compost used on the old turf is all right; we could not suggest anything better.

Gloxinias and Tuberous-Rooted Begonias

(19) What is the best time of year to plant gloxinias and tuberous-rooted begonias? What is the best soil? Where should the pots be situated when the plants are coming into bloom? My plants invariably rot off after making nice, healthy-looking leaves. H. C.

—Pot up the gloxinias the latter part of February or beginning of March, and use a soil that has no manure in it, unless the manure be two or three years old and thoroughly decomposed. If leaf soil can be obtained, take that and fresh loam in equal quantities, and enough coarse sand to make the mixture drain freely; and the gloxinias will thrive in it. After the potting is done place them in a house where the night temperature runs about 58 or 60 degrees, and after the first watering lay a sheet of paper over them. Give no more water until growth commences, unless it is seen that the soil is getting dust dry. As the leaves begin to put forth, water will be needed regularly, but care must be taken that the leaves are not wetted too often or they soon commence to decay. As the flower buds begin to appear the glass should be shaded and the leaves and flowers must never have water splashed over them, though the plants must never be allowed to lack a plentiful supply of water at the roots.

Tuberous begonias may be treated in a manner similar to that provided the gloxinias in starting them. and should be planted outdoors about the first of June.

Cutting Bench Fungus on Carnations.

(20) E. S. The carnation cutting is affected with what is known as cutting bench fungus, sometimes called wet stem rot. The remedy is only found in using sand absolutely free from vegetable matter, and changing the sand often. It would be a good idea to wash the sand thoroughly before putting it in the bench.

Green Worms on Ferns.

(21) Can you advise me what is the best remedy for green worms or spinners, which attack Boston ferns? I have a fine lot of these ferns, and as soon as the young fronds appear they are eaten off by these pests, which are much like a cut worm only of a lighter color and smaller. I have used tobacco dust and Paris green, all to no advantage. The house in which these ferns are grown is 12 feet wide, 100 feet long and 8 feet high. Do you think if I were to transfer the plants to a larger house it would help me any? G. J.

—We have no acquaintance with the green worm, or spinner, that attacks your Boston ferns, and it must be some Southern pest that we in the North have no trouble with. We do not think that removing the ferns to a larger house would mend matters, as the worms would no doubt be carried along with the plants. As poison insecticides and tobacco dust have proved futile, we should try covering the soil with air-slacked lime, and shaking the fronds regularly, so that the worms will fall on the lime; perhaps that would destroy them. If any Southern grower has had experience with this worm perhaps he can give more information about exterminating the pest.

Tulips.

(22) Please tell me what is the matter with my tulips and how to proceed further to get longer stems. The following is the treatment given: I planted the bulbs October 15 last, over 5,000 tulips, such as Proserpine, Cottage Maid, La Reine, Pottebakker White, Chrysolora, in boxes, and covered them with manure after giving them a good watering. When I brought them in, on December 26, they were showing above the ground from one to two inches high, with plenty of roots. I have kept them in a dark place with a night temperature of from 50 to 60 degrees. I cut some Proserpine on January 24 with only four to five-inch stems, and while Chrysolora is commencing to show bud the balance, which are from two to three inches high, are quite white in color.

SUBSCRIBER.

—It was a mistake to cover the tulips with manure after they were planted in the boxes. A covering of ordinary soil would have been better. The heat from the manure has no doubt caused the growths to shoot up before many roots had formed. What is needed now, however, is to get as long stems on the flowers as possible, and to this end we would take a side bench in the greenhouse and lower it down to the heating pipes. Then we would tack a piece of light cloth to the rafters in a line with the edge of the bench, having the cloth wide enough to reach clear down to the side of the bench. Also shade that portion of the glass directly over the bench. When the bulbs are brought in place the boxes on this semi-darkened bench, and the plants will come quite long stemmed; though, before the flower begins to finish, they will need to go into a cooler house for a day or two.

BRIEFS FOR BUSY FLORISTS.

VERBENAS.—If verbenas are needed in separate colors for bedding purposes—and they are most to be admired when planted in blocks of one color only—the best way to work up a stock is to buy rooted cuttings now of plants flowering with the colors desired. By purchasing early and then growing them on in a warm house a large quantity of cuttings will be produced, and these will have plenty of time to be rooted and make stock large enough for bedding purposes when the time comes to plant outdoors.

SEEDS.—Sowings should be made of petunias and pyrethrum; and, if it is intended to renew the smilax bed during the coming Summer, seed of smilax should be sown at this time, also.

GENISTAS.—Now while there is a good bottom heat is the time to take cuttings of the genistas.

HELIOTROPE.—These should also be propagated at this time to have nice four-inch stock for Spring sales.

Carnations, Etc., at Lancaster, N. Y.

The large surface of glass that comprises Palmer & Son's growing establishment at Lancaster, N. Y., is devoted, primarily, to producing blooms for the retail business of the Buffalo city store. Quite a variety of products is grown, although it can hardly be called an all-round place. Interest is centered in blooms of carnations, roses, chiefly the tea and hybrid tea classes; some single violets, with the forcing of bulbous stock actively engaged in. In plants, a house is given to growing along retailing sizes of palms, and caring for some decorating specimens.

Much rebuilding has been the order here for a decade or longer, the beginning having been made by the late W. J. Palmer. In this, iron construction and all approved improvements have been adapted. A fine heating plant of brick construction stands quite detached from the houses. As little potting is called for, and the commonly known wooden shed structures being dispensed with entirely, a practically fireproof place is the outcome, and the firm assumes its own insurance risk.

Acting in the capacity of foreman for many years under the experienced tutorship of Mr. Palmer, Sr., on Barney Meyers now devolves also the practical management of this place, for which his intimate knowledge fits him specially to meet the many demands, and the large crops of blooms of noted quality produced attest to his vigilant, applied skill.

The first houses were 125 feet in length, even span roof, and 15 feet wide, separated from each other by a 15-foot wide outdoor space. This style has given satisfaction, and Mr. Meyers finds it a bit difficult to beget assurance that the attempt in adapting three similarly sized structures, rebuilt the past year in the open, connected, or under-one-roof system, will prove as remunerative. These are now devoted to carnations in an assortment, and being planted the last of all, with stock perhaps not so superior, the comparison up till now is hardly considered complete enough to draw definite conclusions. These last built connected houses are fitted with 8-inch wide "channel iron" gutters of local supply. Walks under the gutters, and one in center of each house portion, give two 5-foot wide benches to each house.

A feature new to our former observations in bench bottom construction here is the employment of 4x5 and 13-inch long hollow brick, with two linear open spaces. Set in flat, on wood framework, a smooth floor for shoveling on is obtained. The bricks are merely placed in without any cement, and readily allow any excess of moisture to percolate between, or the moisture to be largely absorbed. These conditions produce a continuing uniform wetness in the soil, considered a significant gain.

In the rose houses here, for the low set, or practically solid benches, construction consists of a substructure or foundation, directly over the natural ground, composed of other soil, or ashes if more handy, and packed down even and level. On this is placed a bottom of the hollow brick, with sides added above same and built six inches in height. The latter are built two inches thick and are easily made of cement by any skillful workman. The cost is moderate, they being also practically indestructible.

Nine houses are given up to 15,000 carnation plants (in round numbers). Included in these, as regards varieties, are 4,500 Mrs. Lawson, 2,000 each of White Cloud and a white sport of Daybreak, 1,500 of a here well-known sport of Daybreak, close in color to the original; 1,000 Mrs. George M. Bradt, and smaller numbers of Prosperity, The Marquis, Mrs. E. A. Nelson, Morning Glory, Floriana, Estelle and Mrs. Potter Palmer.

Mr. Meyers' comments on varieties intimate that Prosperity is making a grand bloom, but is shy in productiveness. Queen Louise promises well. Mrs. Potter Palmer throws a beautifully formed flower, and the color is all right. Mrs. Lawson has sported here in red, the color being closely identical with that of Mrs. Potter Palmer. A house of inside-grown Mrs. Lawson gave nice results in early blooming on extra long stems. Touching further on this variety, Mr. Myers' experience is that it requires very careful handling as regards even temperature and avoidance of drafts of air. All things considered, however, it is here called the most profitable variety, its prolific quality and selling value of the flowers making it a leader in favor. One house of it, planted in August last, though not producing many blooms before December, has for some weeks past been steadily giving 1,000 of the finest flowers per week; and a close coming crop of buds is in sight.

A bench of the Dailledouze Bros.' strain of pink sweet peas has been forced to good results, and the French early daffodils, in being able to have same by the first of the year in a fairly good grade of bloom, seem an advantage.

In roses, Bridesmaid is being grown to the number of 4,000, Bride to half this number, 1,000 Liberty and Meteor together and nearly 2,000 Bon Silene, the latter being taken up during the last two years, and for city retail uses proving profitable. At the time of our visit, on January 14, with between crops conditions and dark weather, blooms showed sparse in numbers, but healthy and vigorous growths were in evidence everywhere; and satisfactory cuts had been made about the holidays. American Beauty is grown only in the early Fall months. A house of both Liberty and Meteor, of course, of alike treatment, has given profitable crops this season. Several houses are in course of preparation for Kaiserin Augusta Victoria and Souvenir du President Carnot for next Summer flowering.

A batch of 2,500 Lilium Harrisii was brought into flower quite successfully for holiday needs. Though not all buds made blooms by that date, fully 1,500 were cut. These plants incline to average somewhat more than two good flowers.

Two houses of Princess of Wales violets are but a moderate success, being late planted.

This establishment is located within stone throw of the Erie Railroad station, about ten miles distant from Buffalo, so that transportation of its products and communication are simplified and inexpensive.

VIDI.

Sweet Peas.

The month of January is the best time to sow those varieties of sweet peas, which will furnish the main crop of flowers in early Spring. I consider this the most profitable crop in growing this flower, or, to be perhaps more correct, it seems to me to be the only one which pays well; and from March until June, the only time when the flowers bring enough to justify the busy florist in devoting part of his time and the necessary space in his greenhouses to the growing of sweet peas for the wholesale market. Of course, they can be had in bloom now, and in fact, they have been in the market all Winter; but the grand totals of the returns to grower and commission man cause no ecitement.

In order to have blooms all Winter the seeds are planted in August and September either right in the bench, or, which is better into boxes of about 12 x 16 inches and 9 inches deep. In these boxes they are allowed to make a strong, healthy growth out of doors, where they remain as long into the Fall as the weather permits, after which they are carried inside, and as soon as chrysanthemums are done and make room for them, the sweet peas take their places. Although the flowers produced by plants grown in this manner are not bad and the prices obtained for them comparatively high, their yield is not great, and the flowers coming to the market in Midwinter, are considered out of season, there is no call for them, and they are disposed of with difficulty.

Sweet peas, now sown in the greenhouse on benches with the most sunny exposure, will commence to bloom at the end of March, or the beginning of April, and will yield an enormous number of flowers, with long stems and clear colors, which will meet with ready sales at fair prices. And the plants will continue to bloom until field-grown sweet peas appear on the market, after which I have, in late years, found it best to withdraw from the sweet pea business, leaving the field to the clergymen and truck-farmers.

Plant now, and drop the seeds into the bench about two inches deep, 10 to 12 seeds around a pillar or post, if you prefer to grow them in that way, among carnations and other plants, or have a continuous row the whole length of the bench, with the plants two or three inches apart. This latter plan will also leave room for other plants in front of the peas. Provide them in time with strings, or wire, let them have a night temperature of from 50 to 55 degrees and plenty of water overhead and at the roots, whenever required. They should bloom before they reach the glass, which they will if the soil in the bench is shallow; three inches is sufficient, and if they have from [illegible] to 6 feet of head room.

But I have of late adopted a different method of flowering them, to my fullest satisfaction. I plant the seeds in hills from [illegible] to 10 in a hill and the hills 5 feet apart, one row of hills the whole length of a narrow bench. Before the plants reach the glass at any rate, just before they show buds, I cut the strings above and lay the bunches of plants, which spring from each hill, flat on the bench, all one way, so that the top of one covers and overreaches the base of the other, and thus cover the entire bench.

The extreme points, or tops, of the plants will in a few days assume a straight and upright growth again, and will in a short time begin to bloom.

In picking a little care has to be exercised, so as not to disturb the position of the vines, causing the flower stems to grow crooked and twisted. They are sprinkled and watered as before they were laid down. A little liquid manure twice a week later on is needed, if you want the same large, long-stemmed flowers right along, and the blossoms should be picked daily once or twice as soon as they open. Never allow any seeds to form. Grown in this way the picking of flowers is easy and handy; the blooms are fine, large and of a rich, pure color, and by comparison I have found, that under this method of culture the vines bloom earlier and also produce more flowers, at least more high grade blooms, than if raised in the old way having them climb up and down on strings.

The best varieties to grow under glass for their flowers in early Spring are: Blanche Ferry, Salopian, Emily Henderson, Mont Blanc, Lovely, the New Countess, Lady Hamilton and Katherine Tracy. Blanche Ferry is not so reliable a variety as it used to be. In the last few years it has behaved badly with me. After yielding some good flowers for a week or two, after the plants commenced blooming, the flowers became almost unsalable, their originally bright colors turned into a dull, dead purple. What can be the matter with this sort?

FRED W. TIMME.

Primula Veris Superba.

Editor Florists' Exchange:

Are you not rather astray in your reply to J. H. F. in issue of January 17, in regard to Primula veris superba? I have grown this variety pretty extensively, being the originator of it, and never to my knowledge has it perfected a single seed. It is posssible it might do so with artificial fertilization, but if anyone is offering seed of it the probabilities are that it is bogus.

E. M. MITCHELL.

Ontario.

[Our reply dealt with the cultural treatment to be given this primula. The inquirer can say as to how and where he obtained the seed. Will he kindly do so?—Ed.]

PAMPHLETS RECEIVED.

CARE OF PLANTS IN THE HOME AND GARDEN. The Rosary Flower Company, New York and New Rochelle, N. Y. This is a neatly printed and well illustrated booklet, furnishing, in addition to a list of useful plants for home decoration, some serviceable advice on their care. The enterprise of the firm along this line cannot fail to bring its own reward.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 500 LBS. 60c. per cwt. On Cars N. Y. City.
Tobacco Powder THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.
Tobacco Powder THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.
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We are situated in the heart of the finest section known for the above Evergreens.
Galax, Green and Bronze, 45c. per 1000.
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A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green** and **Sphagnum Moss**, $1.00 per bbl Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

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MOSS
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PEAT
75¢ Per (1 Bbl) BAG
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DEALERS IN
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$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

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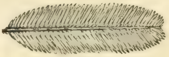

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Ask for my Illustrated Catalogue "F" of Metal Goods or for my Illustrated Catalogue "F" of Decorative Plants.

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FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co,
Established 1850
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST., CHICAGO.

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New York.

Happenings of the Week.

This (Saturday) evening occurs the sixteenth annual dinner of the New York Florists' Club, and that the event will equal any previous like effort of that body is a foregone conclusion. Present indications point to an attendance of almost fifty of the club's members.

The Hon. John Morris is still pondering in his cosy den over different problems beneficial to the trade.

George Hildenbrandt, who has had a severe attack of tonsilitis, is back at his work again in John Young's wholesale house.

William Fogarty, one of the staff in George Stumpp's store, was married on Sunday last to Miss Helen O'Brien. The ceremony was performed in St. Patrick's Cathedral, and a reception followed at the home of the bride's parents.

Thursday was the anniversary of the birth of the late President McKinley, and some of the flower stands on the streets displayed large signs, reading—"Who honors McKinley wears carnations to-day!" It is safe to say that the sale of carnations was much increased thereby.

A movement is on foot to erect in Central Park West, a permanent palace for exhibition purposes on the esplanade, where the old reservoir was located. Such a building, it is said, could be used for exhibitions of flowers, for public receptions, and other public purposes. President Cantor, of the Borough of Manhattan, says that the plan submitted, which includes the foregoing proposition, has been approved by many landscape engineers, and Andrew Carnegie has endorsed the suggestion.

Copin, of Jefferson Market, no doubt feels highly elated over the large orders which the Iroquois, the Thirsty Corner Club, and the Tammany General Committee had for him. These orders he had to accompany in their specially chartered cars to Albany, for the delegation to present to the Hon. Bernard Martin in the senatorial chambers. The work consisted of two eight-foot horseshoes, two large baskets and the decorating of Mr. Martin's desk and seat, as well as his rooms at the Ten Eyck.

The growers of Chatham and Madison, N. J., held a meeting on Wednesday evening to perfect arrangements with the local express of the permanent establishment of the same for the conveyance of flowers to New York. This has been made necessary owing to the regular express companies showing no desire to restore the old rates. It has been demonstrated that growers in these vicinities can get their flowers to market by independent means, and they are going to do it, rather than be squeezed unmercifully by the express combine.

The committee on awards of the New York Florists' Club has prepared a schedule for exhibits at the club's meetings, designating certain flowers and plants for each meeting night. The February exhibits will be orchids and novelties; March, carnations and novelties in plants and flowers; April, roses and novelties in plants and flowers; May, Spring flowers and novelties in hardy plants and flowers; June, peonies, iris, herbaceous and hardy shrub flowers. The committee is anxious to secure the assistance of all growers, and all exhibits sent to the club's secretary, John Young, 51 West 28th street, will be properly taken care of and staged.

The American Institute held an exhibition of flowers, fruits and vegetables on Wednesday and Thursday of this week, in the Berkeley Lyceum, West 44th street. The show of apples was the most extensive in the list, while that of cut flowers was rather meagre. H. Spavin, Mt. Kisco, N. Y., showed a bunch of his scarlet carnation, Mrs. James Wood, and three flowers of a new orange crimson seedling. G. M. Hay, Stamford, Conn., staged a vase each of the carnations Chicago, Mrs. G. M. Bradt and Mrs. Thos. W. Lawson; also a bunch of a seedling light striped variety. Wm. Slack, gardener to Mrs. Oliver Hoyt, Stamford, Conn., showed twenty-five Bride and twenty-five Bridesmaid roses, also a bunch each of single and double violets. H. T. Clinkaberry, Trenton, N. J., exhibited a collection of cypripedium flowers in named varieties.

James Weir, son of John Weir, florist, Brooklyn, had a lively experience with three toughs on Saturday night last. Mr. Weir was riding in a Fulton street car, where three young men were annoying an aged Hebrew; he requested the three to desist in their persecution of the old gentleman. They ignored his request until finally he made them do so by muscular persuasion. This so annoyed them that when the old Hebrew left the car at Jay street, they also left it, and recommenced the abuse of the old man. Mr. Weir, suspecting this would happen, also left the car, and decided he would have them locked up, and, there being no policeman in sight, he collared the ringleader and after a furious struggle, landed him in the police station. The police sergeant complimented young Weir on the course he took and committed the prisoner to be locked up. Two black eyes testify to the strenuous encounter of the young florist.

The Brooklyn Horticultural Society will meet on Monday evening next, February 2, in the Germania Club, 120 Schermerhorn street, Brooklyn, N. Y. A good attendance is desired. The preparatory work consequent upon the coming carnation convention will, it is expected, be completed at this meeting.

The death of Hicks-Arnold, which occurred on Wednesday, January 28, removes one of New York's most prominent orchid lovers and purchasers. It is said of him that he would lay aside any business he happened to be doing to stop and examine a new orchid.

Henry Smith has given up his store at the corner of State and Court streets, Brooklyn. He will now devote all his attention to his main store in Court street. The partnership between Smith and F. Schworm, which has been in operation for about two months, has been dissolved.

To anyone desiring to enter the retail business there is a splendid chance open in Flatbush avenue, Brooklyn. Here is an old established store, near Sixth avenue, that Mr. Phillips purchased for his son, but, as the Fulton street store requires all the time and attention at his disposal, Mr. Phillips would like to dispose of the Flatbush avenue shop.

Henri Beaulieu, the Woodhaven florist and seedsman, has been quite sick for several weeks, but is again able to be out.

The new white carnation of Dailledouze Bros., the variety illustrated in these columns last week, is making a record for size. One flower brought to the city on Tuesday last measured 4¾ inches in diameter.

August Schraeder, the grower of smilax and adiantum of Newtown, N. Y., has recently purchased an automobile for his private use.

Robert Craig, Philadelphia, Pa., was a visitor on Wednesday of this week.

BALLSTON SPA, N. Y.—John Schafer is able to be up and around again after a long siege of illness.

SARATOGA, N. Y.—J. T. Totten is in Cuba for the benefit of his health. Dehm & Son are doing well. The coal question is all right here.

YORKVILLE, N. Y.—Geo. A. Benedict contemplates building two new greenhouses, each 35 x 200 ft.

HIGH-GRADE
AMERICAN BEAUTY
Cut Blooms.
Fresh from the greenhouses, carefully packed, and guaranteed to arrive in good condition. Market prices.
BRIARCLIFF GREENHOUSES, Scarboro, N.Y.

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Can Fill Out-of-Town Orders at all Times
Personal attention given all orders. Specialties: Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations, and other varieties not mentioned. Open at 6 o'clock every morning.
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Telegraph your wants. Everything in the line of cut flowers shipped to all parts of the U. S. Send for weekly price list.
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Wholesale Prices of Cut Flowers, New York, January 30, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	50.00 to 75.00
	" extra	30.00 to 40.00
	" No. 1	20.00 to 30.00
	" Culls & ordinary	3.00 to 12.00
	Queen of Edgely	..... to .....
	Bride, 'Maid, fancy—spc'l	12.00 to 15 00
	" extra	10.00 to 12 00
	" No. 1	6.00 to 8.00
	" No. 2	3.00 to 5.00
	Golden Gate	4.00 to 15.00
	Liberty	10.00 to 25.00
	Meteor	4.00 to 10.00
Adiantum		.75 to 1.00
" Peter Crowe		..... to .....
Asparagus		25.00 to 50.00
Callas		10.00 to 12.00
Cattleyas		25.00 to 75.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		30.00 to 35.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		1.50 to 2.00
	Standard Varieties	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*Fancy— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 8.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	Novelties		10.00 to 12.00
Lilies			12.00 to 15.00
Lily of the Valley			2.00 to 3.00
Narcissus—Paper White			1.50 to 2.00
" —Yellow			4.00 to 6 00
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
Roman Hyacinths			1.50 to 2.00
Smilax			8.00 to 12.00
Sweet Peas			1.50 to 2.00
Tulips			2.00 to 6.00
Violets			.25 to .50
" special			.75 to 1.00

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METEORS
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Jan. 28, 1903	Phil'delphia Jan. 27, 1903	Baltimore Jan. 26, 1903	Buffalo Jan. 26, 1903	Pittsburg Jan. 26, 1903
Roses	A. BEAUTY, fancy—special	...... to 60.00	...... to	...... to	75.00 to 100.00	40.00 to 60.00
	" extra	40.00 to 50.00	50.00 to 60.00	...... to	40.00 to 60.00	25.00 to 35.00
	" No. 1	20.00 to 35.00	30.00 to 40.00	30.00 to 40.00	...... to	12.00 to 20.00
	" Culls and Ordinary	6.00 to 12.50	15.00 to 25.00	10.00 to 25.00	...... to	6.00 to 8.00
	Queen of Edgely	25.00 to 60.00	30.00 to 60.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	... .. to 25.00	...... to	..... to	...... to 15.00	12.00 to 15.00
	" extra	16.00 to 20.00	15.00 to 18 00	...... to	10.00 to 12.00	8.00 to 10.00
	" No. 1	10.00 to 15.00	10.00 to 12.00	8.00 to 10.00	6.00 to 8.00	6.00 to 12.00
	" No. 2	6.00 to 8.00	8.00 to 10.00	5.00 to 7.00	4.00 to 5.00	...... to 3.00
	Golden Gate	...... to	8.00 to 15.00	6.00 to 10.00	4.00 to 12.00	...... to ......
	K. A. Victoria	...... to	8.00 to 18.00	.... to	... to	...... to ......
	Liberty	6.00 to 25.00	15.00 to 40.00	5.00 to 10.00	4.00 to 15.00	6.00 to 20.00
	Meteor	4.00 to 16.00	10.00 to 15.00	5.00 to 8.00	4.00 to 12 00	4.00 to 10.00
	Perle	...... to	8.00 to 15.00	4.00 to 6.00	6.00 to 8.00	4.00 to 8.00
	ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
	Cypripediums	...... to	..... to 15.00	...... to	...... to 15.00	...... to ......
Carnations	Inferior grades, all colors	2.00 to 2.50	..... to	1.25 to 1.75	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES White	...... to 3.50	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	2.00 to 3.00
	Pink	..... to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
	Red	.... . to 3.00	2.00 to 3.00	2.00 to 3 50	2.00 to 3.00	1.50 to 2.00
	Yellow and var.	...... to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
	*FANCY (*The highest grades of standard var) White	..... to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
	Pink	...... to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
	Red	...... to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.50 to 3.00
	Yellow and var.	..... to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.50 to 3.00
	NOVELTIES	5.00 to 6.00	..... to	...... to	6.00 to 8.00	...... to ......
	ADIANTUM	..... to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.25 to 1.50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 75.00	10.00 to 50.00	20.00 to 50.00
	CALLAS	8.00 to 12.50	..... to	8.00 to 12.00	10.00 to 12.50	6.00 to 12.00
	CHRYSANTHEMUMS—Ordinary	...... to	...... to	...... to	...... to	..... to .....
	" Fancy	...... to	..... to	...... to	...... to	...... to ......
	DAISIES	...... to	...... to	...... to	..... to	...... to ......
	FREESIA	2.00 to 4.00	...... to	1.50 to 2.50	2.00 to 4.00	3.00 to 4.00
	GALAX LEAVES	...... to	...... to .10	...... to .10	.10 to .15	...... to ......
	HYACINTHS	1.50 to 2.50	3.00 to 4.00	2.00 to 3.00	3.00 to 6.00	..... to ......
	LILIES	8.00 to 12.50	...... to 25.00	...... to	12.50 to 15.00	12.00 to 15.00
	LILY OF THE VALLEY	2.00 to 5.00	4.00 to 5.00	...... to .	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	3.00 to 4.00	...... to 3.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	" Fancy	...... to 6.00	..... to 4.00	...... to	5.00 to 6.00	...... to 6.00
	NARCISSUS	2.00 to 5.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	SMILAX	15.00 to 20.00	...... to 15.00	10.00 to 25.00	...... to 15.00	10.00 to 12.50
	STEVIA	2.00 to 2.50	...... to	...... to	...... to	...... to ......
	SWEET PEAS	...... to	..... to	...... to	1.00 to 2.00	1.00 to 1.50
	TULIPS	2.00 to 4.00	...... to	...... to	3.00 to 4.00	2.00 to 3.00
	VIOLETS	.50 to .75	1.00 to 1.50	.60 to 1.00	.75 to 1.50	.30 to 1.50

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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

Boston.

The Week's Happenings.

Mrs. Frederick L. Ames, of this city and North Easton, a notable patron of horticulture, died on Tuesday of last week. Mrs. Ames was an extensive exhibitor at the shows of the Massachusetts Horticultural Society, of which body she was a life member, and won prizes for her orchids very consistently. There was a wealth of floral tributes at the funeral on Thursday, which was held at North Easton.

Wilson's greenhouses at Wellesley were visited by fire Tuesday night. The fire destroyed the boiler-shed and about forty feet of one greenhouse.

S. J. Goddard, of South Framingham, met with quite a painful accident last week from a fall on the ice.

Elisha N. Peirce, of Waltham, left last Saturday, with a party, for Bermuda on a month's trip. He expects to return to New York in time for the Carnation Society's convention.

Mrs. Olden, who invented the now famous "Koral" letter, is working on another invention, with which she hopes to save time, trouble and expense for florists.

E. Sutermeister is now bringing in Von Sion narcissus and yellow tulips, in pans, of very good quality.

Well-flowered lilacs in pots are among the novelties Edgar is sending to the market these days.

F. J. NORTON.

Providence, R I.

Notes.

Who will start the ball a-rolling for a resolution against the increased tariff of the express companies? This is something that every grower and retailer ought to give immediate attention.

Maidenhair fern is very scarce and is cut clean down to the roots.

Mrs. Pollock is using some very nice roses in design work, for which she has enjoyed a good call this month.

Everybody has violets to sell just now. How different things are from last month's prices!

Leach, of Pawtucket, is enjoying the fame of being one of the few business houses using the new "Nernst Electric lamps." These lights may find their way to Providence in the near future. They are excellent for flower stores.

Carnations are retailing at from 50c. to 75c. per dozen, with a prospect of the first price prevailing for the bulk of the stock in the immediate future.

C. S. MACNAIR.

Hartford, Conn.

Club Meeting.

The Florists' Club held a well-attended meeting Tuesday evening, January 27, nearly all of the members being present. The subjects of taking off the tariff on glass and the reduction of express rates on cut flowers were freely discussed. The following resolutions in regard to express rates were adopted:

Whereas, It is the experience of growers in this section that the increased express rates on cut flowers has materially decreased the number of shipments; and

Whereas, The retail dealers are unable to raise prices in proportion to the excessive overcharge, the class of merchandise being extremely perishable, a luxury and not an absolute necessity, direct loss and failure is thereby invited; and

Whereas, Considering the increased price of all classes of merchandise necessarily connected with the production of cut flowers, this additional burden places the grower and retailer in an extremely dangerous position. Therefore be it

Resolved, That we, the Hartford Florists' Club, as a body and in the interest of our profession in general, do hereby protest against the unnecessary excessive express rates on cut flowers as being discriminating in their nature, firmly believing that the express companies, after due consideration of the matter, will perceive their error in placing in danger a class of men engaged in a trade already so dependent on many ungovernable conditions.

Resolved further, That we pledge ourselves to furnish any express company, or its agent, on request, with such information as may be needed to show our position in the matter to be a true one from a commercial standpoint.

Notes.

Treasurer Theo. Wirth, who was taken sick with pneumonia while visiting his old home in Long Island, is now able to be around again.

L. H. Mead gave a very interesting talk on "The Centralization of Rural Schools, the benefit to both rural and urban children, especially in Nature's Study," which was followed by a discussion on the subject by many of the members present.

A. N. Pierson, of Cromwell, was a visitor the past week.

J. F. COOMBS.

Denver.

E. W. Davis, president of the Denver Floral Club, invited the florists of Denver to spend the evening of Friday, January 23, at his home. The gathering was mostly a social one, though Mr. Davis during the evening gave a talk on matters relative to the club. A very pleasant time was spent, and about twenty-five of the members enjoyed some good singing and music, and also a nice lunch.

I regret to state that the health of Mr. Valentine, president of Park Floral Co., is mending slowly. He is still unable to attend to business, although out for a little while every day.

High rents will cause some changes on Sixteenth street, our main thoroughfare, very shortly.

The Thiess Floral Co., for several years on Sixteenth street, will move to California street, while Miss Bessie Horlop, who is opposite the Thiess Floral Co., is contemplating the same kind of a move.

P. S.

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Wholesale Florists
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FLORISTS' SUPPLIES
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Headquarters in
Western New York
For ROSES
CARNATIONS
And all kinds of Seasonable Flowers
WM. F. KASTING
Wholesale Commission Florist
ALSO DEALER IN FLORISTS' SUPPLIES
AND WIRE DESIGNS
481 Washington St. BUFFALO, N.Y.
TELEPHONE SENECA 620
GIVE US A TRIAL. WE CAN PLEASE YOU.

Franklin, Mass.

Walter Slade and family are now comfortably settled in their new and attractive cottage on Central street.

Cincinnati.

All Cincinnati mourns the death of our Chief of Police, Col. Philip Deitsch. His funeral occurred from the Scottish Rite Cathedral, Monday, January 26. The floral offerings consisted of about fifty designs and as many bunches, aggregating about $1,000 worth. Much of the work was of cape flowers, as it was simply impossible to get enough natural stock to fill the orders. All the retail stores had pieces, and some of the work was very good, indeed, while some was very bad.

John Lodder and daughter, of Hamilton, O., were in the city this week.

Business remains good, and stock very scarce. E. G. GILLETT.

Indianapolis, Ind.

News Notes.

The next monthly meeting of the State Florists' Association of Indiana will be held at the Commercial Club rooms Tuesday evening, February 3.

John Bertermann visited the several florist establishments at Richmond, Ind., last week. Grave's carnations are in fine shape, and the E. G. Hill Co. are getting ready for a large Spring business.

The business of the Vail Seed Co., which was offered for sale last week, remains unsold. Sealed bids were taken for the business, but none was received.

Huntington & Page shipped thirty-five carloads of onion sets the first week of January, and have several more which will soon be ready to start.

I. B.

Toledo, O.

The mild weather has helped the coal situation greatly, although many have a good supply on hand, others are depending upon the weather to escape great loss.

All florists here are astonished at the way trade keeps up, even with the high prices asked for blooms. Business throughout this section shows an increase over that of 1902. Roses are plentiful, bringing $1.50 to $8.00; carnations, good, realize 75c. to $1.00; violets, $1.50 to $2.50 per 100; narcissus, $1.50 to $5.00 per 100; Roman hyacinths, $1.50 to $4.00 per hundred.

Joseph Sigrist is forcing a large house of Lilium Harrisii, which will be ready for Easter trade.

The Henry Philipps Seed & Implement Company has been highly commended in a special report just sent to Congress by the Secretary of Agriculture descriptive of the governmental seed distribution for the past fiscal year, which ended July 1, last.

The Secretary explains for the benefit of Congress, that in order to properly handle the large quantities of seeds required in connection with the work it was essential that a building conveniently located and properly arranged should be secured, and this was secured by the Philipps Company, which erected in Washington a building according to plans satisfactory to the Secretary of Agriculture. The building is well lighted and heated and is declared to be in every way well adapted to the work. C. J. S. P.

Cleveland.

Club Meeting.

Monday evening was regular meeting night, with a good attendance on hand. Our secretary, who is vice-president of the S. A. F. for Northern Ohio, started the ball rolling by bringing before the members the new express rates on cut flowers. After much discussion the matter was laid over, and no doubt Cleveland will be heard from with a decisive movement.

Mr. Bartells, the manager of the J. M. Gasser's houses at Lake avenue, gave quite an interesting talk on subirrigation for carnations, which was much appreciated. The firm has installed this system on a large scale.

The long spell of cold weather has been broken at last, but the outlook is that we shall have more cold in a short time.

The coal situation here is unchanged, with the price on a gradual increase. If it keeps on going up by Spring the profits of a year's business will go into the boilers this season.

J. W. Wilson, of Glenville, whose place is almost entirely devoted to carnations, is sending in some fine blooms which command the highest market price. This gentleman intends to plant one house with Enchantress and one with Governor Wolcott the coming season, and should he have the same success with them as he is having with Mrs. Lawson, I daresay he will have the finest stock produced in this part of the country.

Some of the younger members of the profession got together and arranged for a trolley party to Painesville, O., Friday evening, January 30. Supper was served at the hotel and the private dance hall given up to them. A few from Mantor and Painesville joined on the way.

Adam Graham, Jr., is still on the sick list, but is progressing nicely.

G. W. S.

Osage, Ia.

The Perry Florists' Association held its meeting in Cresco January 21 and 22. A most profitable as well as enjoyable time was had. Fine exhibits came from the Chicago Carnation Company, also from C. C. Pollworth Company, of Milwaukee. The convention was entertained by W. B. Perry.

Mr. Perry's houses of carnations were looking their finest. Next season's meeting will be held in July at E. J. Springer's, of New Hampton. The association will go in a body to the Milwaukee convention of the S. A. F. in August.

The following protest regarding express rates was made:

We, the undersigned, emphatically protest against the increased express rate on cut flowers. It is a direct discrimination against our business, and one by which the express companies are no gainers. Flowers in small lots, which formerly went by express, will now be sent by mail, and the increased rate will curtail the shipping of cut flowers to a considerable extent. None of the undersigned can see any reason for the action of the companies in increasing their rate, and respectfully ask for a restoration of the old rate.

A. N. Kinsman, Austin, Minn.
M. H. Wetherbee, Charles City, Ia.
P. Clawsen & Son, Albert Lea, Minn.
W. T. Symonds, Decorah, Ia.
W. B. Perry, Cresco, Ia.
E. J. Springer, New Hampton, Ia.
W. S. Hall, Osage, Ia.
C. G. Kruger, Mason City, Ia.
Members of the Perry Florists' Association.

Kalamazoo, Mich.

Here and There.

The fuel question is still the chief topic, no great relief in price being in sight, and, just now, coal is worth as much or more than the value of flowers cut, the present quotations being from $5.50 upwards. Perhaps the worst part of this is the very inferior quality of coal supplied, even at the exorbitant prices asked.

The Central Nursery Company banquetted their employees to the number of nearly 150 at the Auditorium on January 20, which the local papers reported at length, one paper devoting nearly a page to the speeches, etc. From what I hear a good time was had and it was a great success and clinched the good feeling already enjoyed between the corporation and its employees. The company recently reëlected the officers and directors.

Mr. Kyle, of the Dunkley Company, recently visited Chicago, and speaks highly of the new carnations he saw while there, being especially enthusiastic over Enchantress.

John Calder was the lucky man who laid in a sufficient stock of coal to last the Winter. He says his new coil boiler is all right.

Some of us have sent on a protest individually about the express rates, but the writer is pleased to note a disposition to get together with a unanimous protest from the combined trade.

S. B.

York, Pa.

Chas. Schaeffer, corner of Jefferson and West streets, has a pure white seedling carnation, of which he is expecting great things. The first flower measured 2¾ inches in diameter; the calyx and stem are strong and the growth rapid.

WE ARE WESTERN HEADQUARTERS

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McKELLAR & WINTERSON
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Jan. 27, '03	St. Louis Jan. 26, '03	Cincinnati Jan. 27, '03	Milwaukee Jan 22, '03	Detroit Jan. 27, '03
Roses	A. Beauty, fancy—special	40.00 to 45.00	40.00 to 50.00	...... to 50.00	25.00 to 35.00	...... to 50.00
	" extra	35.00 to 40.00	25.00 to 35.00	...... to 40.00	15.00 to 18.00	...... to 40.00
	" No. 1	25.00 to 30.00	12.50 to 20.00	25.00 to 35.00	10.00 to 12.00	...... to 25.00
	" Culls and Ordinary	8.00 to 10.00	5.00 to 10.00	4.00 to 8.00	4.00 to 8.00	...... to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	12.00 to 15.00	...... to 10.00	8.00 to 10.00	...... to 12.00	...... to 12.00
	" extra	10.00 to 12.00	...... to 8.00	6.00 to 8.00	...... to 8.00	...... to 10.00
	" No. 1	6.00 to 10.00	...... to 6.00	4.00 to 6.00	...... to 6.00	...... to 8.00
	" No. 2	4.00 to 8.00	...... to 5.00	3.00 to 5.00	...... to 4.00	...... to 6.00
	Golden Gate	4.00 to 12.00	6.00 to 8.00	6.00 to 10.00	8.00 to 12.00	6.00 to 8.00
	K. A. Victoria	...... to	5.00 to 8.00	...... to	6.00 to 8.00	...... to ......
	Liberty	6.00 to 25.00	6.00 to 10.00	4.00 to 15.00	8.00 to 12.00	...... to ......
	Meteor	4.00 to 10.00	5.00 to 8.00	4.00 to 8.00	6.00 to 8.00	6.00 to 12.00
	Perle	...... to	4.00 to 8.00	...... to	4.00 to 6.00	6.00 to 8.00
	ORCHIDS—Cattleyas	...... to 45.00	...... to	...... to 60.00	...... to	...... to 50.00
	Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.00 to 2.50	1.50 to 2.00	...... to 1.50	...... to	...... to ......
	Standard Varieties: White	2.50 to 3.00	2.50 to 4.00	...... to 2.00	1.50 to 2.00	2.00 to 3.00
	Standard Varieties: Pink	1.50 to 3.00	2.50 to 4.00	...... to 2.00	1.50 to 2.00	2.00 to 3.00
	Standard Varieties: Red	1.00 to 2.50	2.50 to 4.00	...... to 2.00	1.50 to 2.00	2.00 to 3.00
	Standard Varieties: Yellow and Var.	1.50 to 3.00	2.50 to 4.00	...... to	1.50 to 2.00	2.00 to 3.00
	*Fancy— (*The highest grades of standard var): White	3.50 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	...... to 5.00
	*Fancy—: Pink	2.50 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	...... to 5.00
	*Fancy—: Red	3.50 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	...... to 5.00
	*Fancy—: Yellow and Var.	3.00 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	...... to 5.00
	Novelties	6.00 to 8.00	...... to	...... to	...... to	...... to ......
	Adiantum	.50 to .75	1.00 to 1.50	...... to 1.50	...... to 1.00	...... to 1.50
	Asparagus	15.00 to 50.00	10.00 to 30.00	...... to 50.00	20.00 to 40.00	20.00 to 75.00
	Callas	12.50 to 15.00	10.00 to 15.00	...... to 12.50	...... to 12.50	12.50 to 15.00
	Chrysanthemums—Ordinary	...... to	...... to	...... to	...... to	...... to ......
	" Fancy	...... to	...... to	...... to	...... to	...... to ......
	Daisies	...... to	.50 to 1.00	...... to	...... to .75	...... to ......
	Freesia	3.00 to 4.00	2.00 to 3.00	...... to	...... to	5.00 to 6.00
	Galax Leaves	...... to .15	...... to .15	...... to .15	...... to .20	...... to .10
	Hyacinths	2.00 to 3.50	3.00 to 4.00	...... to 3.00	...... to	3.00 to 4.00
	Lilies	12.50 to 15.00	...... to	...... to 20.00	...... to	14.00 to 16.00
	Lily of the Valley	2.00 to 4.00	...... to 4.00	...... to 4.00	...... to 4.00	4.00 to 6.00
	Mignonette—Ordinary	4.00 to 6.00	...... to	...... to	...... to	...... to 4.00
	" Fancy	6.00 to 8.00	...... to 5.00	...... to	...... to	...... to 5.00
	Narcissus	2.00 to 3.00	3.00 to 4.00	...... to 3.00	...... to	3.00 to 4.00
	Smilax	10.00 to 12.00	12.50 to 15.00	12.00 to 15.00	...... to 18.00	10.00 to 15.00
	Stevia	...... to	1.00 to 2.00	...... to	...... to 2.50	...... to ......
	Sweet Peas	...... to 1.50	...... to	...... to	...... to 2.00	...... to 1.00
	Tulips	3.00 to 5.00	...... to	...... to	...... to	4.00 to 6.00
	Violets	1.00 to 2.00	.50 to 1.00	.50 to 1.00	.50 to .75	.75 to 1.00

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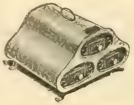

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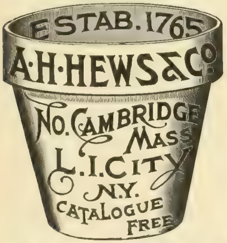

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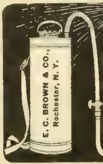
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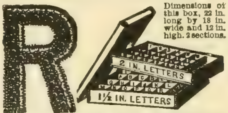

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This wooden box nicely stained and varnished, 18x80x12 made in two sections, one for each size letter, given away with first order of 500 letters.
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Dry powders all soluble in water. Composts cost less than ½c. per gal. Correspondence invited.

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Pure **Bone Meal,** specially for greenhouse uses; about 5 per cent. **Nitrogen,** 30 per cent. **Bone Phosphate.** 166-lb. bag, $3.25; half ton, $17.50; ton, $32.50. Cash with order.

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Wax Flowers, Floral Designs, Florists' Supplies.

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Packed in small crates, easy to handle.

			Price per crate				Price per crate
1500	2 in.	pots in crate,	$4.88	120	7 in.	pots in crate,	$4.20
1500	2¼	" "	5.25	60	8	" "	3.00
					HAND MADE.		
1500	2½	" "	6.00	48	9 in.	pots in crate,	$3.60
1000	3	" "	5.00	48	10	" "	4.80
800	3½	" "	5.80	24	11	" "	3.60
500	4	" "	4.50	24	12	" "	4.80
320	5	" "	4.51	12	14	" "	4.80
144	6	" "	3.16	6	16	" "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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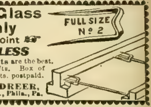

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For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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392-94 W. BROADWAY, NEW YORK.

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HOTHOUSE GLASS

and GREENHOUSE PUTTY a SPECIALTY.

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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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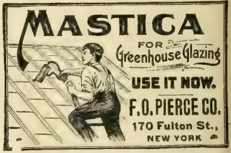

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

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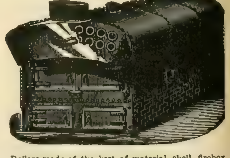
KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Mention the Florists' Exchange when writing.

No. 6
1 3/8 X 2 3/4

CYPRESS

Green House Material

Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO

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GREENHOUSE CYPRESS

FOR THE COMMERCIAL AND PRIVATE GROWER.

Construction the Latest,
Material the Best,
Prices Reasonable.

WRITE FOR BOOKLET,

THE GREENHOUSE MFG. CO.,
32 E. Third St., Cincinnati, O.

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THE STANDARD VENTILATING MACHINE

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

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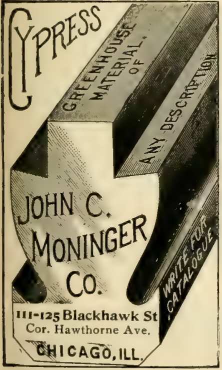
CYPRESS
GREENHOUSE MATERIAL OF ANY DESCRIPTION

JOHN C. MONINGER CO.

WRITE FOR CATALOGUE

111-125 Blackhawk St
Cor. Hawthorne Ave.
CHICAGO, ILL.

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Newburg, N. Y.

The Coldwell lawn mower manufacturers have a thoroughly equipped factory for turning out their improved machines, for which they find a heavy demand from all parts of the country.

The Chadborn Manufacturing Company is contemplating an increase in its manufactory space, owing to the pressing demands for the concern's automatic ventilators.

The florist and seed business of the late J. A. Schaefer is now carried on under the firm name of J. A. Schaefer's Sons, with F. H. Schaefer manager. At the time of our visit, the latter gentleman was busy with funeral work, occasioned by the death of Governor Odell's sister.

There are about 40,000 feet of glass on the premises and the product is consumed in their own retail trade.

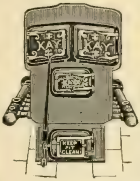
E. M. Peattie has a store on Broadway, with greenhouses located at the corner of Miller street. Business has been good all season, though the price of coal has been a great drawback; at times $10 per ton has been paid for soft coal, which is certainly a high figure, considering the price of flowers could not be advanced in proportion.

Butte, Mont.

The Montana Florists' Club has been organized and the following officers elected: President, O. A. C. Oehmler; vice-president, Victor Siegel; secretary, Elmer Law; treasurer, Everton Law. It is believed that by following correct methods of culture and by securing plants that are adapted to the climate and situation, most surprising and gratifying results will be attained. A study will also be made of the native wild flowers of Montana. It is the design to have an essay dealing with these topics read at each meeting of the club.

Omaha, Neb.

Lewis Henderson, florist, was held up on Saturday night, January 17, by three masked highwaymen, and robbed of $65 in cash and a gold watch valued at $100. The thieves overlooked $30 that Mr. Henderson had in another pocket.



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244 FULTON ST., NEW YORK

HEATING
BUILDING
Ventilating
BOILERS
(Triple Fire Travel)

WROUGHT IRON PIPE, FITTINGS, VALVES, HOSE.

Send for Catalogue.

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GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

The A. T. Stearns Lumber Co.,
Neponset, Boston, Mass.

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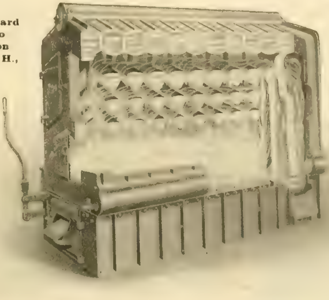
HORTICULTURAL ARCHITECTS AND BUILDERS
AND MANUFACTURERS OF
HEATING AND VENTILATING APPARATUS

Greenhouses and Conservatories erected complete with our Patent Iron Construction. Plans and estimates on application, either for structures complete, or for material only, ready for erection.

Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue mailed from our New York office on receipt of five cents postage for each.

Highest Award at Buffalo Convention S. A. F. O. H., 1901



NEW SECTIONAL HOT WATER HEATER

For Large and Small Ranges.
Highest Economy
Moderate Cost.

LORD & BURNHAM COMPANY

New York Office: St. James Building BROADWAY and 26th ST.
General Office and Works: Irvington-on-the-Hudson, N. Y.

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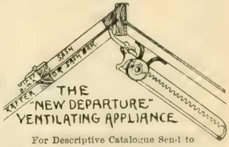
FOLEY MFG. CO.
CHICAGO
471 W. 22d Street

GREENHOUSE MATERIAL

CYPRESS WOODWORK
Air dried and absolutely free of sap
"Perfection" Lifting Apparatus and other Greenhouse Hardware
Specialties HOTBED SASH
Send for New Free Illustrated Catalogue

Mention the Florists' Exchange when writing.

IF YOU WANT A
GOOD SASH LIFT
For a Very Little Money, Get


RAFTER
SASH
OR SASH BAR
THE "NEW DEPARTURE" VENTILATING APPLIANCE

For Descriptive Catalogue Send to
J. D. CARMODY, EVANSVILLE, IND.

Mention the Florists' Exchange when writing.

Dillon's Greenhouse Mfg. Co., BLOOMSBURG, PA.

MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

☞ Our descriptive circular contains valuable information for every florist. Send for it.

GREENHOUSE GLASS
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GULF CYPRESS
GREENHOUSE MATERIAL
HOT BED SASH
Special Greenhouse Putty

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Agents for New Improved Sectional Boilers
Send 4 cts. stamps for Boiler Catalogue

WE FURNISH EVERYTHING FOR BUILDING

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GLASS

For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

BENT GLASS

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443-449 Greenwich St.
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The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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FLORISTS' SUPPLIES

Largest Stock in the Country

Send for Illustrated Catalogue.

50, 52, 54, 56 No. Fourth Street
PHILADELPHIA

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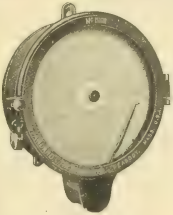
Improved Recording Thermometer

JUST THE THING FOR YOUR GREENHOUSE.



No. 200.

Send for catalogue and prices.

The Helios-Upton Co.,
PEABODY, MASS.

Mention the Florists' Exchange when writing

	Per 100
Asparagus Plumosus, from 2 in. pots ...	4.00
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Clematis Paniculata, strong, from 4 in. pots	10.00
Clematis Paniculata, from 3 in. pots	5.00
Deutzia Lemoinei, strong plants........	5.00
Dracaena Indivisa, 4 in. pots...	10.00
Dracaena Indivisa, 3 in. pots...	5.00
Primula Forbesii, in bloom, 2½ in. pots....	3.00

C. EISELE, 11th and Jefferson Streets, **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

FOR SOMETHING NEW AND NICE,

Cluster of Roses Stationery

For Florists, is the Latest.

Both plain and in colors. Samples free by

DAN'L B. LONG, Publisher, **Buffalo, N.Y.**

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CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable, handy. To try them once is to use them always.

DON'T USE OLD STORE BOXES.

If you have any doubt, send for samples, which speak for themselves.

Size.	Per 100.	1000.
No. 1.—3x4½x16..............	$1.75	$15.00
No. 2.—3x6x18..........................	2.00	18.00
No. 3.—4x8x18......................	2.40	22.00
No. 4.—3x6x20......................	2.75	25.00
No. 5 —4x8x22...................	3.00	28.00
No. 6.—4x8x28..........................	3.75	35.00

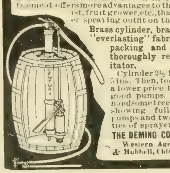
THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

Mention the Florists' Exchange when writing.

The Century Sprayer

a small cut of which is shown in this advertisement offers more advantages to the orchardist, fruit grower, etc., than any other spraying outfit on the market.



Brass cylinder, brass valves, "everlasting" fabric plunger packing and the only thoroughly reliable agitator.

Cylinder 2½ ins., stroke 5 ins. Then, too, it sells at a lower price than other good pumps. Send for handsome free catalogue, showing full line of pumps and twenty varieties of sprayers.

THE DEMING CO., Salem, O.
Western Agents—Henion & Hubbell, Chicago, Ill.

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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. **DILLER, CASKEY & CO.,** Successors to JENNINGS BROS.,

S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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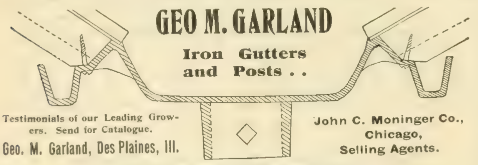

GEO M. GARLAND

Iron Gutters and Posts . .

Testimonials of our Leading Growers. Send for Catalogue.

Geo. M. Garland, Des Plaines, Ill.

John C. Moninger Co., Chicago, Selling Agents.

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FACTORY: 709 FIRST AVENUE
Between 40th and 41st Streets

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WRITE FOR NEW CATALOGUE.

NEW YORK

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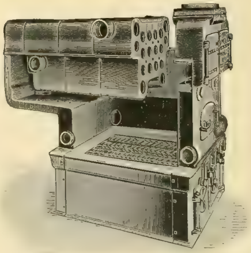
Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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ESTABLISHED 1844.

233 Mercer Street, New York.

FIVE PATTERNS OF BOILERS,
Nineteen Sizes.

Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"

for Slate Tops.

Send 4c. Postage for Illustrated Catalogue

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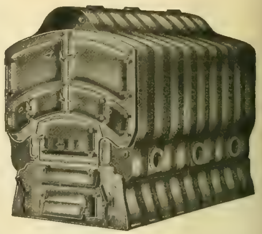
THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

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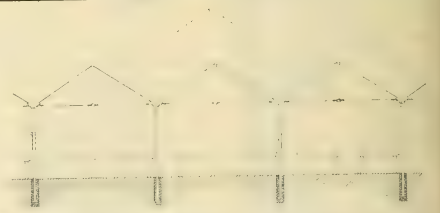

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (PATENTED.)

Approved and Adopted by Leading Florists all over the Country.

WE CLAIM THE FOLLOWING ADVANTAGES:

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.

Perfect Guttering. Cool in Summer and easy to heat in Winter. We are willing to prove these claims by testimonials. Write for Sketches and Catalogues.

A. DIETSCH & CO., PATENTEES.

Washington Red Cedar and Lousiana Cypress Greenhouse Material, Hot-Bed Sash and Greenhouse Hardware.

615-621 Sheffield Avenue, - - CHICAGO, ILL.

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 6 NEW YORK, FEBRUARY 7, 1903 One Dollar Per Year

SPIRÆA FOR EASTER FORCING.

We offer a few cases each of the following sorts as below, as long as unsold. These can be shipped ely by freight, as it will not injure them in the slightest if frozen. There is plenty of time to get them for Easter, if wanted, and they also make good stock for Decoration Day. Now is the time to lay in a k before they are all sold.

PONICA and COMPACTA MULTIFLORA. Case of 250 clumps for $8.00; in less quantities, $4.00 per 100.

TILBOIDES FLORIBUNDA. Case of 250 clumps for $10.00; in less quantities, $5.00 per 100.

APANESE FERN BALLS

Best Quality, $25.00 per 100.

The surplus bulb stock recently offered has sold fast, but we can still supply the following, in first-class shape, as long as unsold, at prices named below:

ALL SIZED NAMED HYACINTHS.

hese are splendid for Easter forcing, and are for growing in pans or pots. Nothing is more dily salable. Price is very low, and the bulbs are t-class—remarkably good for the low price at ich they are offered. They will throw almost as d flowers as the larger and higher-priced bulbs. you have never flowered these, try a thousand two. You will be pleased with the results. y cannot fail to make money for you.

he following pink varieties at **only $1.50 r 100; $12.00 per 1000** (worth $16 00 per 1000), Baron van Tuyll, Gen. Pelissier, Gertrude, antea, Robt. Steiger and Solfatara.

he following blue varieties at **only $1.50 per); $12.00 per 1000** (worth $16.00 per 1000), viz.: nd Maitre, King of the Blues, La Peyrouse, s. Dickens, Blondin, Czar Peter; also Tamerlan low).

he following white varieties at **only $2.00 per); $16.00 per 1000** (worth $22.00 per 1000), viz.: oness van Tuyll, Grandeur a Merveille, Blan- rd, L'Innocence, Mme. Van der Hoop, and Paix Europe.

NE NAMED HYACINTHS. Single and Double.

e offer a limited stock of the following varieties irst-sized bulbs, at $3.00 per 100; $25.00 per 1000 th $35.00 per 1000), viz.: La Peyrouse, Regulus, nerlan, Grand Lilas, La Pluie d'Or, Bouquet Tendre, Crown Prince of Sweden, Flevo, Garrick, Grootvorst, Gen. Antinck, King of Wurtemburg, La Tour d'Auvergne, La Virginite, Lord Anson, Lord Raglan, Othello, Prince of Orange, Prince of Saxe-Weimar and Princess Royal.

HYACINTHS IN SEPARATE COLORS.

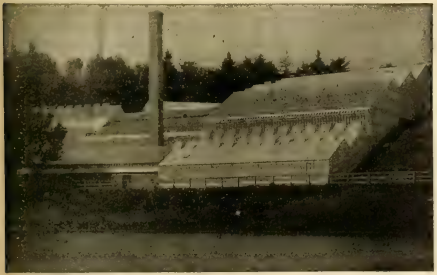
We still have a few of these left in singles and doubles, which we offer as long as unsold at **$2.50 per 100; $20.00 per 1000** (worth $26 per 1000).

TULIPS.

SINGLE and DOUBLE.

Most of the varieties here offered are among the very best forcing varieties, especially for late or Easter forcing, viz.: Bizard Verdict, Couleur Ponceau, La Candeur, Yellow Rose, Lady Grandison, Duke of York, Rose Blanche and Count Leicester, at $5.00 per 1000; Cottage Maid, Joost van Vondel, Brutus, Pæony Red, at $6.00 per 1000; Tournesol, red and yellow, Gloria Solis, Le Blason and Rosine, at $7.00 per 1000; Duc van Tholl, scarlet, and Standard Royal Silver, at $7.50 per 1000; Mariage de ma Fille, at $10.00 per 1000; Proserpine, at $12.00 per 1000; White Joost van Vondel and Rose Luisante, at $20.00 per 1000.

. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



lsparagus Plumosus Nanus

CUT STRINGS, 50 CTS. EACH.

V. H. ELLIOTT, Brighton, Mass.

BULBS FOR SPRING PLANTING

BEGONIAS—*Tuberous-rooted.*	Per 100	Per 1000
Single, bulbs 1¼ in. and up, separate colors, white, red, pink, yellow and orange	$ 2 25	$20 00
" Mixed	2 00	18 50
Double, large bulbs, 1¼ in. and upward.		
Separate colors	5 00	40 00
Mixed	4 00	35 00
CALADIUMS—**(Elephant's Ear).**		
Bulbs, 6 to 8 in. in circumference	2 00	18 00
" 8 to 10 " " "	3 50	30 00
" 10 to 12 " " "	6 50	50 00
" 12 in. and over $1.50 per doz.	15 00	
Fancy-Leaved, named sorts, large bulbs, $1.25 per doz.	10 00	
" Mixed sorts, large bulbs, $1.00 per doz.	7 50	
GLOXINIAS—Choice Stock.		
Named varieties, very large bulbs; separate colors, white, purple, red, blue, spotted and tigered	5 00	40 00
Mixed colors	3 50	30 00
HYACINTHUS CANDICANS (Giant Summer Hyacinth)	1 50	12 50
IRIS, Japan or Kæmpferi.		
American-grown, from originally imported stock, ⅓ single, ⅔ double, named sorts $1.00 per doz.	7 00	
Mixed sorts $1.00 per doz.	5 00	
CANNAS.		
Large dormant pieces, with two to three eyes. Mad. Crozy, Paul Marquant, Burbank, Chas. Henderson, Alph. Bouvier, Peachblow, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria, Alsace, Morning Star	2 00	15 00

LILIUM.	Per 100	Per 1000
Auratum, 8 to 9 in. in circumference	$5 00	$40 00
Speciosum Rubrum, 8 to 9 in	6 50	50 00
Speciosum Album, 8 to 9 in	6 00	50 00
Tigrinum, Double and Single Tiger Lilies	5 00	
MADEIRA VINES.		
Large roots	1 50	10 00
PEONIES.—		
Field Clumps, 3 to 5 eyes.		Doz.
Officinalis Rubra Plena, dark red	7 00	1 00
Chinensis Alba Plena, white	15 00	2 50
Chinensis Rosea Plena, pink	10 00	1 25
Chinensis Rubra Plena, red	8 00	1 00
One case containing 67 Double White, 66 Double Red, 67 Double Pink, strong roots, for $25.00.		
Japanese Tree, 12 distinct named kinds	40 00	5 00
DAHLIAS.—		Per 1000
Large Field Clumps		
Named kinds and colors. Separate.		
Cactus, Show, Fancy and Pompon	7 50	70 00
Double Mixed, all colors	5 00	45 00
TUBEROSES—		
Excelsior Double Pearl.		
4 to 6 inches around	1 00	8 50
1st size, 3 to 4 inches	75	5 00
GLADIOLUS—Selected Bulbs.		
American Hybrids, mixed	1 00	7 50
Very fine mixed	75	6 50
Second size mixed	65	5 00

GLADIOLUS—Florists' Forcing Sorts.		
Augusta, pure white	4 50	40 00
May, Daybreak color	2 50	20 00
Shakespeare, white and rose	5 50	50 00
White and Light, best	2 00	18 00

CLUCAS & BODDINGTON CO.

TELEPHONE, 4390 SPRING. 812-814 Greenwich St., Cor. Jane St., New York City.

Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

B. & A. SPECIALTIES

Ask for Special Trained Fruit Tree Circular.

ENGLISH MANETTI for grafting Tea Roses, $12.00 per 1000.

ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryn, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field-grown, extra strong, $4.00 per doz.; $30.00 per 100.

ENGLISH IVIES, pot-grown $10.00, $12,00, $15.00 per 100. **Specimens,** $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

LILAC, FOR FORCING. Pot-grown, $8 a doz.; $45 a 100. **Chas. X, Marie Legraye, Mme. Lemoine.**

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000.

DIELYTRA Spectabilis (Bleeding Heart), extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

	100	1000
SPIRÆA Japonica	$4.00	$35.00
" **Compacta**	4.50	0.00
" **Astilboides**	5.00	45.00
" **Gladstone**	8.00	

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22 26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

AZALEA MOLLIS

These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

VIBURNUM OPULUS, pot grown for forcing, $5.00 per doz.

VIBURNUM PLICATUM, pot grown, for forcing, $5.00 per doz.

STAPHYLEA COLCHICA, pot grown. $5.00 per doz.

WISTARIA SINENSIS, pot grown, for forcing, $7.50 per doz.

AMYGDALUS, double, white and pink, $5.00 per doz.

JAPAN FERN BALLS, dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

ASPARAGUS SPRENGERI SEED, 35c. per 100, $2 50 per 1000.

JAPAN LILIES. See Wholesale Catalogue.

CANNAS, 25 varieties. Ask for prices.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varietie

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J

CANDLEMAS DAY

Has passed. The little fellow came out of his hole and failed to see his shadow. You know the rest.

CLAY'S FERTILIZER Considered by all English and Scotch florists one of the best fertilizers on the market. Little high, has double the action of others more bulky, 56 lbs., $3.25; 112 lbs., $5.50.

FINE GROUND BONE For your roses, etc., 200 lbs., $4.00.

NITRATE OF SODA Sparingly, fine for Geraniums. 50 lbs., $2.00.

TOBACCO STEMS (Strong, heavy Havana), 100 lbs., $1.25.

APHIS PUNK Box, 12 rolls, 60 cts.

NIKOTINE Pints, $1.50; 5 Quarts for $7.00.

W. ELLIOTT & SONS NEW YORK.

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

Farfugium Grande, tubers, 2½ to 3 in. in diam, $11.00 per 100; 1 in., $5.00 per 100; ¾ in., $3.00 per 100; in 4 in. pots, $10.00 per 100, prepaid.

Epiphyllum Lateritium Alba (Christmas Cactus), small blooming plants, $2.50 to $5.50 per 100, postpaid.

Epiphyllum Violaceum (Christmas Cactus), small blooming plants, $2.50 to $5.50 per 100, postpaid.

Pteris Tremula, from 2½-in. pots, $3.00 per 100, prepaid.

Seaforthia Elegans, from 2½-in. pots, $3.50 per 100, prepaid.

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

Send for Prices

HELLER & CO.

MONTCLAIR, N. J.

Mention the Florists' Exchange when writing

EASTER 1903

	Per 100
Spiræa Japonica, large clumps	$3.00
" **Compacta Multiflora**	3.50
" **Astilboides Floribunda**	4.00
Deutzia Lemoinei, large plants	15.00
Lilacs, for forcing, in best vars.	35.00
Azalea Mollis, fine plants, well budded	40.00
Azalea Pontica, fine plants, well budded	45.00
Roses, Crimson Rambler, own roots	15.00
" Hermosa, La France, and all H. P. vars.	10.00

	Per 100
Fern Balls, first size, 7-9	$22.50
" " extra with tin cups	35.00

Box Trees, Standards, extra fine, each, $2.00.

Box Trees, Pyramids, extra fine, 4 ft., each, $2 50.

A few **Dutch Hyacinths**, extra fine. Also two cases of **Lilium longiflorum**, 7-9, Bermuda grown, still left. No reasonable offer refused.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Mention the Florists' Exchange when writing.

COCOS New Crop Weddeliana. Per 1000, $8.00; 5000, $35.00.

LATANIA BORBONICA Per ll $1.00 5 lbs $4.00

Orders booked for **Areca Lutescens.** F Flower Seed, see last week's issue.

Stumpp & Walter Co.

50 Barclay Street, New York

Branch, 404 E. 34th St., New York.

Mention the Florists' Exchange when writing.

REPETITION

is the life of advertising—It is also the life of the largest mail-order seed trade in the world—

BURPEE'S!

Were it not for repeat-orders every year from satisfied planters we could not supply the

Best Seeds that Grow

at such moderate prices. We want every one who appreciates quality to write for **Burpee's Farm Annual for 1903.** Long known as "the Leading American Seed Catalogue," it is better now than ever before. An elegant book of 184 pages, with beautiful colored plates and hundreds of illustrations, it tells the plain truth. **Write to-day! Do not delay! It's FREE.**

W. ATLEE BURPEE & CO., Philadelphia

Blue List of Wholesale Prices mailed only to those who plant for profit.

Mention the Florists' Exchange when writing.

CINERARIAS from Benary's, Cannell's a Sutton's Prize Show Flowe saved, Giant Flowered, fine colors and shades, dwarf or semi-dwarf, makes fine se ing plants for Easter, 2½ inch, $2.50 per 100. Cash.

Shellroad Greenhouses, Grange P.O. **Baltimore, M**

Mention the Florists' Exchange when writin

H. ZIJP & CO.,

BULB GROWERS AN

NURSERYMEN,

LISSE, HOLLAN

Beg to announce to the trade the arrival in the United States of their American Representative,

JOHN H. BÖCKMANN

Please address all communications, u til May 15, to him, care Messrs. Knaut Nachod & Kühne, 13 William St., N. Y.

Mention the Florists' Exchange when writi

HEADQUARTERS FOR GLADIOL

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock **Gladiolus** in the world."

We List Over 200 Named Kinds.

		100	1000			100	100
POPULAR	Mixed	$0.80	$7.00	SCARLET AND RED	Mixed	$1.00	$7
ALL COLORS	"	1.00	9.00	PINK	"	1.25	10.
CHILDSI	"	1.75	15.00	BRENCHLEYENSIS.		.75	6.
LEMOINE'S	"	1.50	10.00	CERES		1.00	8,
WHITE AND LIGHT.	"	1.50	12.00	LA MARCK		3.00	15.

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Spec discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS, Floral Park, New Yo

Mention the Florists' Exchange when writing.

HIGH GRADE SEEDS

	Trade pkt.	(
Aster Queen of the Market, best early variety, in separate colors or mixed	$0 20	$0
" **Semple's Branching,** in separate colors or mixed.	20	
" **Giant Comet,** " " " " "	20	1
" **Peony Perfection,** " " " " "	20	1
" **Vick's Branching,** white " " " "	20	1

Look through our new Catalogue for all other desirable kinds of Seeds popular prices.

WALTER MOTT SEED & BULB CO

JAMESTOWN, N. Y.

Mention the Florists' Exchange when writing.

GLADIOLI

My offer, as advertised in issues of this paper for January 24 and 31, will hold good until February 20, 1903.

ARTHUR COWEE,

MEADOWVALE FARM, BERLIN, N. Y.

BEGONIAS GLOXINIAS

SPLENDID BULBS.

BEGONIAS TUBEROUS ROOTED. 1¼-1½ inches in diameter.

	Doz.	100	1000
INGLE, Choice Mixed, all colors	$0 35	$2 50	$23 00
" **Separate Colors,** crimson, scarlet, pink, yellow, rose and white	40	2 75	24 00
OUBLE, Choice Mixed, all colors	50	4 00	
" **Separate Colors,** white, pink, crimson, scarlet and yellow	65	5 00	

GLOXINIAS -LARGE FLOWERING -CRASSIFOLIA ERECTA.

PLENDID MIXED, 1¼-1⅜ inches in diameter	doz., $0 50	100, $4 00
" " 1⅜-2 " "	" 65	" 4 50
" " 1 inch and over in diameter	" 40	" 3 00
XTRA LARGE BULBS, 5 separate varieties	" 75	" 5 00

See our Flower Seed offer in last week's Exchange. Write for our Florists' Wholesale Catalogue.

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

CANNA ROOTS

Home grown, strong roots, 2 and 3 eyes each, in perfect condition and strictly true to name. 25 of a variety at 100 rates; 250 of a variety at 1000 rates.

	100	1000
Admiral Schley, 3 ft., red	$5 00	
Allemania, 6 ft., gilt edge	2 50	
Austria, 6 ft., yellow	2 00	
Buttercup, 2½ ft., yellow	4 00	
Chas. Henderson, 3 ft., red	2 00	$15 00
CRIMSON BEDDER, 3 ft., best red	2 50	20 00
Egandale, 4 ft., bronze	3 00	25 00
Florence Vaughan, 5 ft., yellow	2 50	20 00
Golden Bedder, 2½ ft., yellow	2 50	20 00
J. D. Cabos, 4½ feet, bronze	2 50	20 00
J.T.Lovett, 5 ft., red, best foliage	2 50	20 00
Leopard, 4½ ft., yellow spotted	3 00	
Mme. Crozy, 3½ ft., gilt edge	2 00	18 00
Mme. Molin, 3½ ft., red	2 50	

	100	1000
Midway, 4 ft., red	$2 50	
Mrs. Eisele, 6 ft., apricot	3 00	$25 00
Mrs. Kate Gray, 6 ft., red	6 00	
Olympia, 3 ft., red	3 50	
Paul Bruant, 4 ft., red	2 50	
Pennsylvania, 6 ft., red	8 00	
Pres. Carnot, 4 ft., bronze	2 50	20 00
Pres. McKinley, 3 ft., red	2 50	20 00
Pluto, 3 ft., bronze	2 50	
Queen Charlotte, 4 ft., gilt edge	2 50	20 00
West Grove, 4 ft., coral pink	5 00	
White Lady, 5 ft., white	3 00	
Zebra, 4 ft., yellow and brown	5 00	
MIXED, dwarf or tall, all colors mixed	1 50	12 00

Circular, describing each variety, mailed free. Prompt delivery

CASH WITH ORDER.

J. T. LOVETT, Little Silver, New Jersey

Mention the Florists' Exchange when writing.

NOTICE

NURSERY STOCK in large quantities. Remember we have over 100,000

CLEMATIS PANICULATA

two, three and four years old.

AMPELOPSIS VEITCHII, field-grown, X and XX sizes. Over 300,000 SHRUBS and VINES in variety. About 200,000 HERBACEOUS PLANTS in 250 varieties. Also Young Stock for transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

MICHELL'S

CARNATION BANDS

used on carnation flowers with bursted calyx

Will make for you many a DOLLAR

The best on the market and used by all the leading growers. Prices postpaid, 2000 for 25c.; 4500 for 50c.; 7000 for 75c.; 10,000 for $1 00.

NEW CROP FLOWER SEEDS

NOW READY

Send for Special List of Seeds, Bulbs and Supplies.

HENRY F. MICHELL,

Seed Growers and Importers,

1018 Market St., Philadelphia

Mention the Florists' Exchange when writing.

Fern Balls

FRESH LOT

JUST IN

Write for Prices

Jackson & Perkins Co.

NEWARK, N. Y.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

PHILADELPHIA, PA.—The State of Delaware has granted a charter to the Henry F. Michell Company to deal in bulbs, seeds, etc. Capital, $15,000.

CLEVELAND, O.—A meeting for the purpose of organizing a Market Gardeners and Producers' Association has been called for to-day, February 7. Geo. A. Tilton, seedsman, is chairman.

DENVER, COL.—The Lee Pioneer Seed Company has been incorporated; capital stock, $10,000; to operate in Arapahoe county with principal office in Denver; H. M. Lee, M. S. Reed, J. A. Graham, incorporators.

WORCESTER, MASS.—John K. M. L. Farquhar, of Boston, delivered an instructive lecture, illustrated with stereopticon views, on the subject of "Seed Growing," before the Horticultural Society, on January 29. There was a large and interested audience. A local report attributes the following statements to Mr. Farquhar on crop conditions:

"On account of the unfavorable season, last year, for harvesting seeds, corn seeds would yield the coming year 20 per cent. less returns than usual from the very best seeds. We have had the past year one of the most unfavorable ever known for the harvesting of vegetable seeds. With regard to corn, wax beans and some of the more delicate peas, those seeds which ripened last

European Notes.

Hardly had the mail departed last week when a complete change landed us in a dangerous thaw and general break up; or, rather one should say, a tumble down, for we have had a perfect deluge ever since. As, however, our shipments are at last in view of completion, conditions such as these cannot damp our spirits, although they may dampen our seeds.

A brief reference was made in last week's notes to the inevitable delays attending the later shipments; for many of these Nature alone is responsible. Another cause is the complete disorganization of the rail and steamboat services which always occurs at this season of the year. It is no unusual thing for goods to be six or seven weeks on the road from one country to another, and in these cases they are

DREER'S SUPERB ASTERS

While we take great pains to secure only the choicest strains of all Flower Seeds, we take extra care with our Asters, and we are confident that they are unequaled for quality.

QUEEN OF THE MARKET.

The best early-flowering Aster, fine long stems.

	Trade pkt.	Oz.
Pure white	$0 20	$0 60
Pink	20	60
Purple	20	60
Crimson	20	60
Finest mixed	15	50

COMET.

A splendid mid-season Aster, flowers large, graceful and splendid for cutting.

	Trade pkt.	Oz.
Carmine	$0 30	$1 50
Dark blue	30	1 50
Light blue	30	1 50
Peach-blossom pink	30	1 50
Deep rose	30	1 50
Grant, white	30	1 25
The Bride, white, shading to rose	30	1 25
Finest mixed	30	1 25

PÆONY PERFECTION.

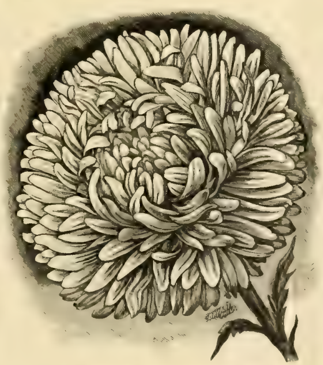
A first-class mid-season Aster, flowers incurved, very large.

	Trade pkt.	Oz.
Crimson	$0 30	$1 25
Light blue	30	1 25
Purple	30	1 25
Bright pink	30	1 25
Pure white	30	1 25
Finest mixed	25	1 00

BRANCHING PÆONY-FLOWERED.

An excellent mid-season Aster, flowers very large, incurved, good stems.

	Trade pkt.	Oz.
Crimson	$0 30	$2 00
Peach-blossom pink	30	2 00
Dark blue	30	2 00
Finest mixed	30	1 50



SEMPLE'S BRANCHING ASTER.

NOW IS THE TIME

to sow Ageratums, Centaureas, Lobelias, Petunias, Pyrethrum, Vincas, Verbenas, etc., etc.

For complete list, see our Wholesale Price List. Free to florists.

SEMPLE'S BRANCHING.

This is the finest late-flowering Aster. Produces flowers as large as Chrysanthemums on long, strong stems.

	Trade pkt.	Oz.
Pure white	$0 25	$1 00
Shell pink	25	1 00
Deep purple	25	1 00
Lavender	25	1 00
Crimson	25	1 00
Finest mixed	25	75

VICTORIA.

A grand mid-season type. Flowers large, beautifully imbricated; fine for making up.

	Trade pkt.	Oz.
Peach-blossom pink	$0 30	$1 75
Dark scarlet	30	1 75
Light blue	30	1 75
Purple	30	1 75
Pure white	30	1 75
Rose, tipped white	30	1 75
Finest mixed	30	1 50

Various Asters for Florists.

All of the following are fine sorts and are well worth growing.

	Trade pkt.	Oz.
DAYBREAK— A fine soft pink	$0 40	$2 50
MIGNON— A small Victoria, mixed	30	1 25
OSTRICH FEATHER— White	30	1 50
Pink	30	1 50
ROSE FLOWERED— Scarlet	30	1 50
Mixed	30	1 25
VICK'S BRANCHING— White	25	1 00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Union County Nurseries, HIRAM T. JONES, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

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lost sight of as completely as if they had no existence at all. Whole carloads have disappeared in this way, and have eventually turned up at places many miles away from their destination. An even more difficult matter is to adjust shipments so that they may comply with special freight arrangements made by the purchasers on your side. It seems not to be generally understood that the tempting freight rates quoted by keenly competing transportation companies are based upon slow and, in many cases, very second rate lines of steamers; and these are often very irregular in sailing. As a consequence, shipments are delayed from ten to fifteen days and sometimes longer; and the shipper gets the blame.

During the present week a notice has been sent round by a well-known company, that because a certain ship will not unload at a certain wharf in America no goods are to be sent by her, neither are they to be sent by either of the other steamship lines trading to the same port. Thus our friends in America will have to put up with another long wait, and we shall have to bear the blame.

All reasonable efforts to economise out of pocket expenses are justly to be commended, but when, as always happens, it works in this way, the policy can only be described as "penny wise and pound foolish." Verb. sap. sat.

EUROPEAN SEEDS.

Gladioli No. 1900

FINE FOR FLORISTS

For description and reduced prices send for list.

Augusta, 4 sizes; May 1 and 2; Mrs. Beecher No. 1; Ben Hur 1 and 2; Standard Mixture No. 1.

JOHN FAY KENNELL,
Box 405. ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS
ROCHESTER, NEW YORK

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

High Grade Forcing Bulbs

G. VLASVELD & SONS,
Sassenheim, Holland.

Growers of Superior Hyacinths, Tulips and Daffodils

Address all communications care

Messrs. Malsus F. Ware, 136 Water St. New York.

Mention the Florists' Exchange when writing.

SEE ADVERTISEMENT OF 17th.

Send for our new list Spring Seeds and Bulbs.

H. H. BERGER & CO.,
47 Barclay St., N. Y.

Mention the Florists' Exchange when writing.

HYBRID CARNATION SEED

:: MIXED. ::

From Mrs. Lawson, Gov. Roosevelt, Wolcott, Violiana, Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Our Catalogue for 1903 is now ready and will be mailed free on application. We handle only the very highest class seeds, making a specialty of choice flower seeds for florists, and selected vegetable seeds for market gardeners. For nurserymen we have a very full line of native and foreign tree and shrub seeds and full lines of hybrid French Gladioli, Japan Lilies and Irises, etc. Our general descriptive catalogue, the handsomest, most complete and most reliable published, will also be mailed free to parties interested.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

BEST FLOWER SEEDS

(See Our Offer, Page 103 last issue.)

10 PER CENT. DISCOUNT FOR CASH STILL HOLDS GOOD

We are Headquarters on Japanese Fern Balls, Gladiolus, Tuberoses, Tuberous Begonia, Gloxinia.

WRITE FOR PRICES

VAUGHAN'S SEED STORE,
84 Randolph St., CHICAGO 14 Barclay St., NEW YORK

Mention the Florists' Exchange when writing.

EXTRA CHOICE **FLOWER SEEDS**

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower
Quedlinburg, Germany

Mention the Florists' Exchange when writing.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

New Crop 1902 Now In Stock.

Really Produces Mushrooms

VAUGHAN'S MUSHROOM SPAWN

We supply the largest growers. Per 100 lb. $6.00 f.o.b. New York; $6.50 f.o.b. Chicago.

WRITE FOR PRICES ON QUANTITY.

VAUGHAN'S SEED STORE
84 Randolph St., Chicago. 14 Barclay St., New York

Mention the Florists' Exchange when writing.

NEW CROP FLOWER SEEDS

ASPARAGUS SPRENGERI New Crop Home Grown. 100 seeds, 15c.; 500 seeds, 70c.; 1000 seeds, $1.25.

PETUNIA Single Largest Flowered, Fringed Mixed. Tr. Pkt. 50c. Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped, oz. $1.25. Mammoth Mixed, oz. $1.00.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

FLOWER SEED

(SOW AT ONCE.)

	Trade pkt.	Oz.
Begonia Vernon - -	$0 25	
Centaurea Gymnocarpa - - - - - -	20	$0 50
Lobelia C. P. Compacta - - - - - -	25	1 50
Salvia Splendens -	25	1 50
Dracæna Indivisa -	25	1 00

D. LANDRETH & SONS,
FLORIST DEPARTMENT
1217 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

GERANIUMS

Finest Varieties Grown; Single and Double named, extra strong, ready for 3 inch pots. $3.00 per 100.

AGERATUM. "Pauline" and "Gurney"; strong and fine, ready for 3's, $2.50 per 100.

IRISH SHAMROCK Strong plants, $5.00 per 100 or 70 cts. per doz., by mail

XXX SEEDS

Verbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.

Cineraria. Finest large-flowering dwarf. 1000 seeds, 50c.

Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50c.

Phlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.

Alyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.

Chinese Primrose. Finest large-flowering fringed varieties, mixed; single and double, 500 seeds, $1.00; half pkt., 50c.

Pansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00; half pkt., 50c.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

Onion Seed

I have 2000 pounds of Yellow Strausburg and Yellow Globe Danvers **ONION SEED**; grown from selected bulbs, in 1902. Quality guaranteed. For prices write to

John Repp, Glassboro, N. J.

Mention the Florists' Exchange when writing

Aster Seed

Semple's finest mixed, 50 cts. per oz.; $5.00 per lb.

VIOLETS, rooted runners, Marie Louise, Lady Campbell and Imperial, 50 cts. per 100; $4.00 per 1000.

CINERARIA, Rupp's Strain, 4 in., $5.00 per 100.

DAISIES (Bellis), fine plants, 40 cts. per 100; $3.00 per 1000

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

EXCELSIOR PEARL

TUBEROSES

And Caladium Esculentum Bulbs and Canna Roots, leading varieties. Write to

JOHN F. CROOM & BRO.
Growers, MAGNOLIA, N. C.

Mention the Florists' Exchange when writing.

HIGH GRADE

FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

R. & J FARQUHAR & CO.
6 and 7 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

DAHLIAS.

25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

Mention the Florists' Exchange when writing.

30,000 DAHLIAS

Whole field-grown clumps, $4 00 per 100; $36.00 per 1000. Send for list, we can save you money.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

Mention the Florists' Exchange when writing.

GENUINE DANISH-GROWN

CAULIFLOWER and CABBAGE SEED

Amager Cabbage Seed, "Ballhead."

Erfurt Dwarf Cauliflower, "Snowball," for forcing.

Erfurt Dwarf Cauliflower Seed, "Danish Giant," best for open ground.

Prices on application.

HJALMAR HARTMANN & CO,
Wholesale Growers,
STORMGADE 12, COPENHAGEN, DENMARK.

Mention the Florists Exchange when writing

FERNS SURPLUS HEALTHY

Plants, grown cool. 2¼ in. pots, fine for growing on.

3000 Aspidium Tessimense, $2.50 per 100.

3000 Cyrtomium Falcatum, $2.25 per 100. Also other sorts.

Pansies, small, hardy, cold frame plants, 80cts per 100; $2.75 per 1000. Cash, please.

MOREL BROS., 624 East Market St., Scranton, Pa.

Mention the Florists' Exchange when writing.

AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

Mention the Flori· · xchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS, TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Deecorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3,4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Plumosus, 3 in., $8.00 per 100. Sprengeri, 3 in., $5.00 per 100.
Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.
Coleus, Rooted Cuttings, 75 cts. per 100.
Ageratum, blue and white, 75 cts. per 100.
Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS, PANDANUS, and AZALEAS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Decorative Palms

Araucarias, Ficus, Bay Trees
And smaller size Palms for Spring shipment.
Carefully grown and packed by
HAERENS BROS., Somergem, Belgium
SOLE AGENTS:
AUGUST RÖLKER & SONS P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.
GROWER OF
Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

1500

SURPLUS SMILAX

50 cents per 100 from 2-inch pots.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

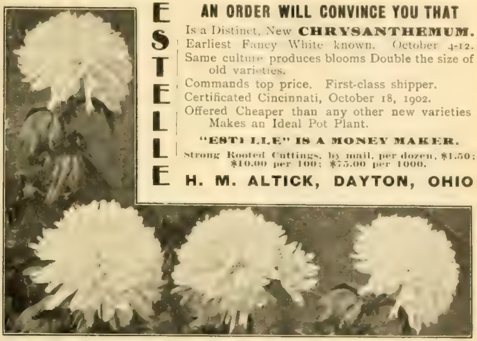
GERANIUMS Coleus Petunias Sage, Etc.

Stocky plants from pots sent with all the roots, but little soil. M. Landry, S. A. Nutt, Buchner, Montmart and other fine doubles, $14.00 per 1000. A. Ricard, Poitevine, F. Perkins, J. P. Cleary, A. Lang, $16.00 per 1000; same rates per 100. M. Castellane, Le Soleil, J. Viaud, $2.25 per 100. List free.

COLEUS, R. C. All brightest fancy and Golden Queen, $5.50 per 1000.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.



E S T E L L E

AN ORDER WILL CONVINCE YOU THAT

Is a Distinct, New **CHRYSANTHEMUM.**
Earliest Fancy White known. October 4-12.
Same culture produces blooms Double the size of old varieties.
Commands top price. First-class shipper.
Certificated Cincinnati, October 18, 1902.
Offered Cheaper than any other new varieties
Makes an Ideal Pot Plant.

"ESTELLE" IS A MONEY MAKER.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

H. M. ALTICK, DAYTON, OHIO

Resurrection Plants Fine shaped, $20.00 per 1000. Sound, well-shaped **Cacti,** $5.00 to $8.00 per 1000. **Clematis Coccinea,** $40.00 and $45.00 per 1000. **C. Crispa,** $35 00 and $40.00 per 1000.

WILLIAM TELL, Austin, Texas.

Mention the Florists' Exchange when writing.

Special Prices ON GERANIUMS

For the Next Two Weeks.
SEND FOR LIST.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

Marie Louise Violet Plants

(Grown by Alfred Whittley)

from clean, vigorous prize-winning stock. Eight prizes in two years. Orders now received for March or later delivery. Write at once for prices.

A. W. WILLIAMS, Highland, N. Y.

Mention the Florists' Exchange when writing.

Cinerarias

In bud and bloom, 5 in., $1.50 per dozen.

Calceolarias, 2¼ in. $3 per 100; 3 in., $5 per 100.
Primroses, in bud and bloom, 4 in., $5.00 per 100.
Genistas, in bud and bloom, 4 in., $1.50 per doz.
" " " " 5 in., 2.00 "
Unrooted Carnation Cuttings—Dorothy, Mrs. Lawson, Cressbrook, Gaiety, Oriole, Challenger, Norway, Queen Louise and Sylvia, $1.50 per 100; $10.00 per 1000.

WHITTON & SONS. Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, Ricard, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties ...... $5 00 per 1000
Double Petunias, rooted cuttings, $1 25 per 100
Heliotrope, all dark varieties....... 1.00 "
Feverfew, in fine shape .... 1 25 "
Ageratum.......... .... .60 "

Cash with order.

J. E. FELTHOUSEN. Schenectady. N. Y.

Mention the Florists' Exchange when writing.

50,000 CANNAS

In ten best standard varieties.

Chrysanthemum. Stock plants. Robinson, Merry Monarch and Bonnaffon.

Latanias, 2½ in. pots, 15 in. high, 5-8 leaves, $2.50 per 100.

Biota Nana Aurea, 8-10, 18-24 in. high. Prices upon application.

GEO. JUST, Jacksonville, Fla.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt,** at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard,** at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin,** at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A. Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant.

Rose, Nutmeg, Balm and other scented kinds.

MISCELLANEOUS PLANTS

	2¼-IN. POT, PER 100
Alyssum { Giant Double and Dwarf Double, }	$2.00
Swainsona Alba	2.00
Lemon Verbena	2.50
Ageratum { Stella Gurney and Dwarf White }	2.00
Abutilon, In Variety	2.50
Alternanthera, in Variety	2.00
Coleus, In Variety	2 00
Lantana, 10 Varieties	2.00
Smilax	2.00
Salvia Silver Spot Bonfire and Splendens	2.00
Fuchsias, In Variety	3.00
Forget-me-not, Large Flowering, Blue, from 2½ In. Pots. $2 50 per 100.	
Hardy English Ivy.	2 00

(Rooted cuttings, of Hardy English Ivy, 75 cts. per 100; $5 00 per 1000.)

CASH WITH ORDER.

See our full page advertisement in Christmas Number, December 6.

R. VINCENT, JR., & SON
White Marsh, Md.

Mention the Florists' Exchange when writing.

BOSTON FERNS 2½ in. plants, $4.00 per 100; $35.00 per 1000.
Clerodendron Fragrans, 2½ in., $6.00 per 100.
Allemanda Williamsii, 2½ in., $5.00 per 100; 3 in., $8.00 per 100.

Climbing Clothilde Soupert Rose, strong well branched field plants, for 6 to 8 in. pots $15.00 per 100; for 4 to 5 in. pots, $10.00 per 100; 2½ in. plants, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.
Adiantum Cuneatum, 4-in. pots.................................$2.00 per doz.; $15.00 per 100
Asparagus Sprengeri, 5-in. pots.............. .... 2.00 " 15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 25c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Tennis Ball, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FINE GRAFTED **ORANGES** BEARING SIZES

12 in., Bushy, from 4-in. pots. .... $20 00 per 100
15-18 in., " " " .... 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots . . . . $20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots....... $20.00 per 100
18-24 in., " " " .... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each

ROSES.

Climbing Clothilde Soupert, Strong field-grown.............. ....$10 00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms Earlier and Lasts Longer
Strong plants from 3-in. pots ......$8 00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in ....$20 00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs., 3-in. pots..........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4 in. pots .... $15 00 per 100
(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts .$15 00 per 1000

CITRUS TRIFOLIATA

Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in. $8 00 per 1000
(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta, Ga.
(Established in 1856.)

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES
South Braintree, Mass.
ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.
Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company
Continental Nurseries, Rochester, N. Y.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

HARDY ORANGE
(Citrus trifoliata)

Extra fine stock for mailing; 8 to 18 inches in height, $10.00 per 1000; $2.00 per 100.
FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.
SEND FOR LIST.

JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

In Fine, Healthy Condition.

PLEASE ASK FOR OUR CATALOGUE.

ENDTZ, VAN NES & CO., Boskoop, Holland.

Mention the Florists' Exchange when writing.

Surplus Nursery Stock

Apple, Peach,
Norway Maple, Irish Juniper,
Abundance, Hale Plum.

Address

C. L. LONGSDORF, Adams County, Floradale, Pa.

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
Geneva, N. Y.

WHOLESALE GROWERS OF
Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.
Send for our Wholesale Price List.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers TREES AND PLANTS in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum
(Prostrate Privet)
A variety of merit. Much hardier than California. Largest Stock in America.
All Sizes. Transplanted.
ANDORRA NURSERIES, Chestnut, Hill Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

At Reduced Prices.

STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.

Mention the Florists' Exchange when writing.

Something to Be Pushed Along.

Editor Florists' Exchange:

I have just been reading a beautiful story about poems and thrushes and nightingales in a western trade paper that comes to my place, and, as I got to the end of the story, I noticed the writer says that he only wrote the eulogy because he likes to push a good thing along.

It occurred to me that if the western trade paper is good enough to print recommendations about poems and things of that kind, you yourself might like to print a testimonial from me about a friend of a friend of mine, who has a friend that has made a new mouse trap. This mouse trap is the greatest invention you ever heard of; and often, while crawling on my hands and knees under the benches of the greenhouse, trying to find the trap (for every time I set it the mice take it away and hide it), I have thought, what a beautiful trap it was. It cannot be compared to either a steam trap, a one-horse trap, or a Satrap. You might think that florists are not interested in traps in general and claptrap in particular. Well, perhaps not so much; but I think a mouse trap is as useful as a poem to a florist like me, and I guess I'm a fair average specimen.

A. RALIA, author.

P. S.—If you can't print this, send it back, and I'll try to have the other paper print it.

A. R.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.
Pot-Grown Plants for Forcing.
Rhododendrons, H. P. Roses, Etc.
No Agents Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***
Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive CATALOGUE OF SEEDS of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

W. MAUGER & SONS, Guernsey, England.

Mention the Florists' Exchange when writing.

HYDRANGEAS

$7.00 per 100.

Otaksa Thos. Hogg

Strong out-door plants with 3 to 5 flowering crowns. Suitable for 6-in. or 7-in. pots.

JACKSON & PERKINS CO.
Newark, New York

Mention the Florists' Exchange when writing.

A Fellow Feeling, Etc.

The following courteous correspondence recently passed between a large Fifth avenue (New York) retail florist and the grower who furnishes him with large supplies of stock:

Dear Mr. ———

Camellia plants just received. Some have flowers and no buds; others have buds and no flowers—all soft and drooping and liable to fall off at any moment. And still we are not supposed to kick!

I suppose we have just to grin and bear it, as the Dutchman did with the toothache.

YOUR LONG-SUFFERING RETAIL FLORIST.

My Suffering Friend:

Your cry has been heard as regards camellias, and I hasten to relieve your sufferings as quickly as possible. If the flowers drooped, and plants were not O. K., keep them till the wagon calls and we will allow full value. All just claims will always be promptly satisfied.

Your half-starved, day-and-night-working WHOLESALE FLORIST.

Express Rates.

At a meeting of the Buffalo Florists' Club, held January 20, the following was unanimously adopted:

Resolved, That we protest against the large increase of express charges on packages of flowers carried by the express companies, and adopted, we believe by all the companies of the country.

Resolved, That we respectfully petition the several companies doing business in our cities to restore the old rates. We believe it unjust that our business should have to bear this burden, for those it most affects cannot afford it.

Our reasons for believing that this great increase in express charges is not warranted are as follows:

Our packages of flowers are invariably delivered to the express office because it is necessary to delay packing them to the last possible moment, and they are not called for as are other packages of merchandise.

A large proportion of the business of the florists with the express companies is from the grower in country towns shipping to the commission house, or to his own retail establishment in the larger cities. These shipments are, with but few exceptions, delivered to the railroad stations, and in many cases they are called for at the city express office by the commission man or retailer.

On the two most important seasons of the year to the florists—Christmas and Easter—when the express companies are also crowded with business, we seldom ask the express companies to do anything but transport our packages on their railroad cars. We deliver them to the car and receive them at the city depot and carry them to our places of business.

For our own interest our boxes are made as strong and compact as possible and most convenient to handle. Half a dozen boxes can be placed one on top of the other without any damage to the flowers.

The box of flowers sent by the retailer to some other city is but a small part of the business, and the increased rate will not be felt to any extent by the florist, but this additional tax will be a hardship on the grower who is your liberal and constant patron.

Hoping for a favorable consideration of our petition,

WM. F. KASTING,
WM. SCOTT,
C. H. KEITSCH,
Committee.

A Quaint Old House and Garden.

The Bartram house of Philadelphia, a unique memorial of pre-Revolutionary days, is described and illustrated in a paper in the March Delineator. John Bartram, the builder, was a farmer who turned his attention to botany, and eventually become the most famous American botanist of his day. His house was frequented by illustrious men, among them the founders of the Republic. It is an excellent example of Colonial architecture, of good proportion and homelike appearance. The interior arrangements exhibit the quaintness and simplicity of the times. As would be expected, the garden is of especial interest, containing rare varieties of flowers, shrubs and trees, some of the latter having attained a great height and age.

Salmon King is the name of a new California canna, described as being a very large salmon red variety. F. A. Miller Plant and Seed Company, of San Francisco, are the originators.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice President; eorge C. Seager, Rochester, N. Y., Secretary; L. Yates, Rochester, N. Y., Treasurer.

BURLINGTON, IA.—J. J. Gravatte, a nurseryman, died suddenly here on February 2. A widow and one daughter survive him.

FRANKLIN, MASS.—The Continental Nurseries have been established here to conduct a general business, also doing landscape work. A. von Leeuwen, father and son, are the proprietors.

DANSVILLE, N. Y.—Thomas Maloney & Sons, nurserymen, have bought the William J. Roberts farm in Sparta, two and one-half miles from this place, and will use all the tillable land for nursery stock.

ROCHESTER, N. Y.—The Western N. Y. Horticultural Society elected the following officers: President, W. C. Barry, Rochester; vice-presidents, S. D. Willard, Geneva; J. S. Woodward, Lockport; Albert Wood, Carlton Station, and S. Wright McCollum, Lockport; secretary-treasurer, John Hall, Rochester; executive committee, C. N. Hooker, Rochester; H. S. Wiley, Cayuga; Henry L. White, Oswego; Wing R. Smith, Syracuse, and E. M. Moody, Lockport.

Chase Brothers, nurserymen, have purchased the entire business of the late Thomas W. Bowman & Son, whose offices have been on the Culver road. The Bowman nurseries will be run in addition to the industry already directed by Chase Brothers.

The Alabama State Horticultural Society was organized January 27 under the most favorable auspices and with considerable enthusiasm. W. S. Heikes was elected president and R. S. Mackintosh, of Auburn, secretary and treasurer. The constitution provides for nine vice-presidents, one from each congressional district in the State, but their selection was left with the executive committee, which was chosen as follows: Paul Hoffman, John Wallace, and M. C. Scott.

The most important committee of the organization is that on legislation, in whose hands was left the steering of bills through the present legislature having in view the protection of fruit growers and the elimination of destructive diseases. This committee consists of Robert Chase, Prof. R. S. Mackintosh, Dr. Wilcox, John Wallace, and Hon. L. R. Wheless, member of the legislature.

The officers and members of all the local horticulturists societies throughout the State were invited to ally themselves with the larger State organization and attend the meeting at Montgomery, whenever same may be called.

Selecting Grafting Wood.

Though late cut wood for grafting purposes is better than none at all, and it is much better to cut it now while the wood is dormant. Select medium-sized shoots, of last season's growth, that have nice, clean, healthy wood. Tie them in bundles, correctly labeled, and bury them in soil, in a quite cool place, until wanted for use.

While not prepared to say that wood from bearing trees will give trees which will bear sooner than those from wood from young trees when grafted on seedlings, it is a belief of many. When it is vice versa—that is, a graft from a seedling placed on a bearing tree—there is no question that bearing is hastened thereby.

Desirability of Douglas Spruce.

In the line of Mr. Braunton's notes on Douglas spruce and other trees of California, I would like to add that in my opinion nurserymen who fail to stock up with the Douglas spruce will regret it. The Colorado one is the sort for the North, the Pacific coast one the variety for the South. Botanists, some of them, term the Colorado one blue, but both have been grown here; and though the Colorado one is not as dark a green, perhaps, as the other, to call it blue requires a great stretch of imagination. But it's a grand evergreen, as hardy as can be, coming as it does from the Rockies, and makes a handsome evergreen for parks and gardens. It transplants well; and, depend on it, there will be a great call for it in a few years.

Subsoiling.

Following Mr. McNaughton's well-timed remarks on subsoiling, I would say that as a lad in England I well remember working all one Winter under a foreman subsoiling a tract of ground. This work is far more common in England than it is here, apparently, because its benefits are better recognized and there seems more call there for the exercise of all the talent possessed to get the most possible from the land. In nurseries here subsoiling is done to a great extent; but not in the orthodox way. It occurs through the necessity of digging deep to get out large trees. In this way nurseries that I could name have been subsoiled many times over, as, with large trees, the digger has to penetrate two to three feet, yes, even four feet, for some extra large cases. It is principally because of this ever recurring deep digging that the same land will produce crop after crop of trees, and without a very large application of manure.

Herbaceous plants quickly display a generous growth when in trenched ground. In hard soil many of them disappear; but deepen the soil and they find in the coolness and moisture resulting that which they require in the Summer heat.

Referring again to nursery trees, they grow twice as fast when in deep soil, and when with it a little manure is added the block of trees is ready for selling in a very short time.

Outlook for Fruit Stocks, Seeds and Fruit Trees.

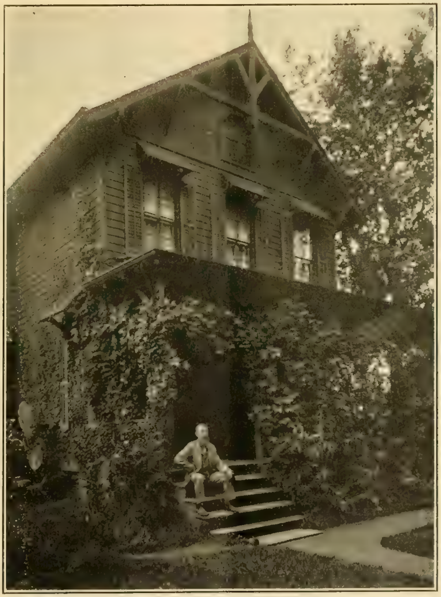
Inquiries among those interested in the matter indicate that in the way of fruit stocks pear and apple stocks are in short supply, while almost all other kinds are fair or ample. In detail, the supply may be given this way: Pear, French, short; pear, Kieffer, usual; apple, French, usual; apple, home, short; cherry, Mazzard, fair; cherry, Mahaleb, fair; quince, usual; plum, Myrobolan, usual; plum, Mariana, not known; peach, very short.

From the foregoing it will be seen that aside from pear, home-grown apple stock and peach there appears enough on hand to supply the usual wants of nurserymen.

As regards seedlings for the season following, there is quite a shortage of apple seeds and of peach. Apple is very scarce, which may cause a short supply of stock for next Autumn. And the same is true of peach stones, which seems curious in view of the fact that in the peach belts of the border States peach fruit was plentiful. But so many look for peach stones from districts supposed to be entirely free from any disease.

Of fruit trees and nursery stock in general the supply of good stock was pretty well cleaned up in Autumn, and there will be no great stock of large trees. Though not always the best thing to do, so many customers demand large-sized fruit and ornamental trees, and these are the sizes nurseries do not have. When it comes to medium sizes, there is a good stock of nearly all kinds of ornamental and fruit trees. Nurserymen have set themselves the task of getting together stock, both by propagating and importing; and, as a rule, a visit to any of their grounds will show every foot occupied by trees, not large, but of good planting size.

JOSEPH MEEHAN.



GARDENER'S COTTAGE ON ESTATE OF WILLIAM WALTER PHELPS, TEANECK, N. J.

The Gardener, Donald Matheson, is seen sitting on the steps.

The Tree Tomato.

Editor Florists' Exchange:

It is very probable that the tree tomato inquired for by Mr. Joseph Meehan's correspondent in South Africa (vide page 6 of your issue of January 3) is the Cyphomandra betacea (synonyms, Solanum betaceum and S. fragrans) of South Brazil. This plant has been known since 1836 and was probably introduced into the East at a comparatively early date, for it is said to be extensively grown for food in India and Ceylon where it is known as "the poor man's fruit." About a dozen years ago it was introduced into Southern California and occasioned considerable interest among horticulturists. Both seeds and plants are offered by California nurseries, and the plant has been offered within a few years at least in the eastern and southern States.

It grows in the form of an erect, arborescent, perennial shrub, with spreading branches, large and handsome foliage which is not at all tomato-like, and in its native country finally attains a height of 12 to 14 feet. It comes into bearing in about 18 months from the seed, and in Southern California ripens from Christmas to the middle of February. The fruit, which hangs pendant in clusters below the foliage, is of the size and shape of a large egg, of a beautiful orange-salmon color when ripe. It has a sub-acid flavor, slightly resembling the tomato, for which it is said to make an excellent substitute. It may be eaten either raw or cooked, and owing to its tough skin and the solid nature of the meat which covers the seeds the matured fruits will keep for a long time. It is said to be delicious served raw with cream and sugar, to be fine for jelly and jam, or for pickling while green, and that it can be cooked in a multitude of ways.

It has been tried in Florida, but for some reason it does not thrive there in the open ground; but in the tropical fruit sheds now coming into use in that State it might prove a success. In the dryer climate of the frostless portions of South Africa it would very likely do well, in which case it would seem that it might prove a highly desirable addition to the list of fruits produced there. Being a handsome shrub, both in foliage and fruit, and an evergreen, it makes a very desirable plant for conservatories having the necessary room to spare.

OB SERVER.

Donald Matheson and His Cottage.

The Florists' Exchange has been favored with some beautiful photographs of fine trees and charming scenes taken on the estate of the late Mr. William Walter Phelps. These it proposes to place before its readers from time to time. With this issue, however, we present an illustration of the gardener's cottage, and a portrait of the gardener himself, Donald Matheson.

The Phelps estate is a very large one, situated at Teaneck, Englewood, New Jersey, and extends to Hackensack on the one side to the Hudson River on the other. The place is famed far and wide for the many prominent horticultural features it possesses, as well as for its great extent. Because of this, it is a pleasure to present a likeness of the man who has done so much to make the estate so renowned, with a few notes relating to him and his work.

A feature on this vast estate is the thirty miles of fine drives, winding through the woods and fields, all carefully laid out by Mr. Matheson, who has been on the estate for thirty-three years, and during that period has planted over a million trees.

Donald Matheson is a Scotchman by birth. He served his apprenticeship on the Connan estate of Sir Kenneth McKenzie, Rossshire, Scotland, being afterward five years foreman on the estate of Lord Carlyle at Castle Howard, Yorkshire, England, where the thought struck him to try his luck in America. Three days after his arrival in the United States he accidentally met and entered into conversation with Mr. Phelps, which ended in Mr. Matheson accepting an offer to take hold of a newly purchased country place that was in a very rough and wild condition, and he has ever since been at work improving and beautifying it.

Mr. Phelps, late United States Ambassador to Germany and Austria, was passionately fond of trees, and never had too many. As Mr. Matheson turned out such a wonderfully successful planter the number of trees increased until the present immense collection has been planted.

Right among the trees, on the public highway, and in one of the prettiest spots on the estate, stands the cozy, comfortable cottage occupied by Mr. Matheson. And what a pretty cottage it is, embowered in vines and plants! Mr. Matheson, as our readers will glean, presents the appearance of the ideal gardener, just the one we would wish to accompany around the estate, feeling assured of his practical knowledge in every detail of gardening from A to Z.

JOSEPH MEEHAN.

AZALEAS FOR EASTER

Place your orders **NOW** while the plants can be shipped without danger to the buds.

Our stock is larger than ever and we can supply standard varieties, including 10 per cent. of Mme. Van der Cruyssen as under:

	Per doz.	Per 100
Fine bushy crowns, 10 to 12 inches in diameter	$5 00	$40 00
" " " 12 to 14 " " "	6 00	50 00
" " " 13 to 15 " " "	9 00	70 00
" " " 16 to 18 " " "	15 00	
" " " 18 to 20 " " "	30 00	
" " " 20 to 24 " " "	42 00	

SEASONABLE PALMS and FERNS

Areca Lutescens.

	Inch high.	Per doz.	Per 100	Per 1000
2-in. pots, 1 plant in pot	6 to 8	$0 75	$6 00	$40 00
3 " 2 "	12 to 45	1 25	10 00	70 00
4 " 3 "	15 to 18	2 50	20 00	175 00
5 " 3 "	18 to 24	5 00	40 00	350 00
6 " 5 to 6 "	22 to 24	9 00	75 00	
6 " 3 "	28 to 30	12 00	100 00	

Kentia Belmoreana.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
$2\frac{1}{4}$	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	
				Each.	Per doz.
6	6	26 to 28		1 25	$15 00
6	6 to 7	28 to 30		1 50	18 00
7	6 to 7	30 to 32		2 00	24 00

Latania Borbonica.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
$2\frac{1}{4}$			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

Kentia Forsteriana.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
$2\frac{1}{4}$	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
				Each.	Per doz.
6	6	30		$1 25	$15 00
6	6	30 to 36		1 50	18 00
7	6	30 to 36		2 00	24 00
8	6	42		2 50	30 00
8	6	48 to 52		4 80	48 00
					Each.
9	6 to 7	52 to 54			$5 00
9	6 to 7	54 to 58			7 50
10	6 to 7	60			10 00
10	6 to 7	72			12 50
12 in. tubs,	7	7 to 8 feet,			25 00

Phœnix Canariensis.

11-inch tubs, $3\frac{1}{2}$ to 4 feet high, bushy and shapely, $5.00 each

11-inch tubs, 4 to $4\frac{1}{2}$ feet high, bushy and shapely, $6.00.

FERNS

For Fern Dishes.

FOR IMMEDIATE USE.

	Per 100	Per 1000
2-inch pots, assorted varieties...	$3 00	$25 00
3 " " " " ...	6 00	

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

Call around before they are all gone

Assorted Ferns, for jardinieres in twelve of the best varieties, from $2\frac{1}{4}$ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-I

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

ORCHIDS

500 well established 4-in. pot plants of **CYPRIPEDIUM INSIGNE.** Must be shifted at once.

500 **Cattleya Labiata**, in baskets.

200 **CALANTHE VEITCHII**, large flowering bulbs.

If interested, write at once for prices and further particulars.

Our *descriptive catalogue of general florists' stock* just mailed. Write us if not received

NATHAN SMITH & SON,
ADRIAN, MICH.

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AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. $2\frac{1}{2}$ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana**, from $2\frac{1}{2}$-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

AZALEAS for EASTER

IN BEST FORCING VARIETIES.

10 to 12 in. crowns, $35.00 per 100. 12 to 14 in. crowns, $45.00 per 100.
14 to 16 in. crowns, $60.00 per 100.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high	$30.00 per 100
4 in. pots, 10 to 12 in. high	20.00 " "
3 in. pots	15.00 " "

KENTIA BELMOREANA

$2\frac{1}{2}$ in. pots, strong plants	$6.00 per 100; $50.00 per 1000
3 in pots	12.00 " " 100.00 " "

CANNAS (All Standard Varieties). $2.00 per 100. $15.00 per 1000

GERANIUMS (Best Bedding Varieties). $3.00 per 100; $27.50 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

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CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, $2\frac{1}{2}$ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. **Springfield, O.**

Mention the Florists' Exchange when writing.

FERNS.

Best vars. from $2\frac{1}{2}$ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.

BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurth, in bloom, and **BEGONIA APPLE BLOSSOM**, in bloom, from $2\frac{1}{2}$ in. pots, $2.50 per 100.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

for New Year and thereafter, 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana**, 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, $2\frac{1}{2}$ in. pots, $3.00 per 100.

Cineraria Hybrida, best strain, strong plants, ready to shift into $5\frac{1}{2}$ or 6 in. pots. 3-in. at the rate of $5.00 per 100; 4-in. at the rate of $7.00 to $8.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants.

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15 PER CENT.

MME. VAN DER CRUYSSEN and or SIMON MARDNER

Others may promise, but I **guarantee** you 15 per cent. each of the above varieties of the total number of

AZALEAS

you order up to 16-inch plants. The market in Ghent is almost bare of these favorite varieties and this is an exceptional opportunity. Avail yourself of it while it holds good and order quickly.

I also offer the finest brands of **Lily of the Valley Pips** for early or late forcing, **Roman Hyacinths, Paper Whites, Dutch Bulbs, etc.**, all for Fall delivery. Prices cheerfully quoted.

CHAS. F. MEYER
Importer of Bulbs and Plants and Sole Representative of the AD. D'HAENE CO., LTD., Ghent,
19 BARCLAY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, $2\frac{1}{2}$ in. pots, $18.00 per 100; $3\frac{1}{2}$ in. pots, $15.00 per 100. Kentia Belmoreana, $3\frac{1}{2}$ in. pots, $18.00 per 100.

Adiantum Cuneatum, $3\frac{1}{2}$ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Cycas, 50 cts. to $2.50 each.

Rubber Plants, $4.00 to $6.00 per doz.; fine plants.

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Price, $1.00. Send for a copy.

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BOSTON FERNS

5 in. pots	per doz., $3 00
6 in. "	" 5.00
6 in. " strong	" 6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz., $1.50
4 in. " extra select	" 2.00

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Furnished with leaves.......per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties.......per 100, $3.00

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HARDY ROSES, ETC.

FOR SPRING DELIVERY.
Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

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ROSES for Spring blooming. The proper sorts. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-year field grown plants that have never been forced; suitable for 5-in. pots at 8c.; larger for 6 in. pots at 10c.

Large flowered Clematis, finest purple, lavender, white and pink sorts, 2-year field-grown or from 5-in. pots at 18c.; 1-year field-grown or from 3-in. pots at 9c. Clematis Paniculata, fine 2-year field-grown, 6c. Packing free for cash.

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and MISCELLANEOUS STOCK.

See our big advt. in last week's issue, or send for our List

NATIONAL PLANT CO.
Dayton, Ohio.

Mention the Florists' Exchange when writing.

ROSES

	Per 100	Per 1000
American Beauty	$3.00	$30.00
Bridesmaid and Bride	1 50	12 50
Meteor, Golden Gate	1.50	12.50
Perle, fine	2 00	20 00
Ivory	3.00	25.00

All nice, clean, two eye cuttings, strongly rooted. Sure to make good plants.

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ENGLISH and FRENCH . . **MANETTI STOCKS**

RIGHT SIZE FOR INDOOR GRAFTING. $12.00 per 1000.

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New Forcing Rose IDEAL

A grand Winter Rose, growing and flowering continually; color deep pink; a vigorous grower. Flower bud long, keeping good form as it opens, retaining perfect color until petals fall. Very fragrant; good stiff stems. Young plants in 2¼ inch pots, **$15.00** per 100; **$125.00** per 1000. Two-year-old plants, in 5 in pots, **$50.00** per 100; 6 in. pots, **$75.00** per 100. Stock ready April 15th Quantity limited.

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THE NEW

Golden Yellow Rose

Awarded $50 and Gold Medal, - - Kansas City
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SOUTH PARK FLORAL CO., New Castle, Ind.
THE E. G. HILL CO., Richmond, Indiana
E. G. ASMUS, West Hoboken, New Jersey

For Prices and Description apply to above.

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AMERICAN BEAUTY

Rooted Cuttings	$30 00 per 1000
2 inch pots	50 00 "
3 " "	75 00 "

Stock selected and in prime condition.

T. D. VREELAND, Paterson, N. J.

Mention the Florists' Exchange when writing.

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. **The Former,** sent out Spring of 1902, has proved **Without an Equal as a High-grade Commercial Variety. The Latter,** sent out in 1901 in limited quantity, is to-day **The Standard** every-day commercial **White on the Boston Market.** A marvel for early, free, and continuous blooming. **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	**$5.00**	**$45.00**
"BOSTON MARKET"	**5.00**	**40.00**

Both will be on Exhibition at Brooklyn, February 19 and 20.

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MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

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MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

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CARNATIONS

ROOTED CUTTINGS.

Now Ready	Per 1000
Morning Glory	at $15.00
Cressbrook	" 35.00
Ethel Crocker	" 10.00
Late February and March Delivery	
Queen Louise	at $15.00
Alba	" 35.00
Her Majesty	" 75.00
Prosperity	" 20.00
Roosevelt	" 15.00
Gaiety	" 20.00
Dorothy	" 15.00

ALBERT M. HERR, Lancaster, Pa.

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CARNATIONS

Well Rooted Cuttings from Clean, Healthy Stock.

Now Ready.

	Doz.	100	1000
Mrs. Thomas Lawson -		$2.50	$20.00
The Marquis - - - -		1.25	10.00
Gov. Rousevelt - - -		2.00	15.00
For February and March Delivery.			
J. H. Manley - -	75c.	$6.00	$50.00
Harry Fenn - -	75c.	6.00	50.00
Mrs. Higinbotham	75c.	6.00	50.00
Queen Louise, or Lorna		2.50	20.00

THEODOR LEONHARD
P. O. Box 1646, Paterson, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	**Nelson**	$4 00	$35 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

Adonis	14 00	120 00	**America**	1 25	10 00
Harlowarden	12 00	100 00	**Palmer**	4 00	30 00
Estelle	4 00	35 00	**Mrs. L. Ine**	1 25	10 00
G. H. Crane	1 50	12 50	**Chicago (Red Bradt)**	2 00	15 00

WHITE.

Flora Hill	1 50	12 50	**Murphy's White**	6 00	50 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

Bradt .... $2.00 per 100; $15.00 per 1000.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	**Bride**	$3.00	$25.00
Liberty	8 00	75.00	**Golden Gate**	3 00	25.00
Kaiserin	4.00	35.00	**Perle**	3.00	25.00
Bridesmaid	3.00	25.00			

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Cressbrook	$4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	$25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1 25	10.00
Daybreak	1,50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2,50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates. Cash with order please.

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Write for particulars.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD
North Abington, Mass.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00
Mrs. Bradt,	2.50	20.00

250 at 1000 Rates

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

ROOTED CARNATION CUTTINGS

President McKinley

THE $100 PRIZE CARNATION.

ROOTED CUTTINGS, $2.00 per doz., $12.00 per 100, $100 per 1000.

All the Standard and Newer Varieties.

If It's Quality You're Looking For, We Are Confident We Can Please You. Prices On Application.

E. T. GRAVE, Richmond, Ind.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties

Rooted Cuttings, 60c. per 100, $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100
Queen Louise	$2 00
Lorna	2 50
Norway	2 00
Goodenough	2 00
Hoosier Maid	2 00
White Cloud	1 50
Flora Hill	1 50

RED	
Mrs. Potter Palmer	4 00
J. H. Manley	5 00
Oriole	4 00
G. H. Crane	2 00
Jubilee	1 50
Portia	1 25

PINK	Per 100
Floriana	$2 00
Mrs. Higinbotham	5 00
Cressbrook	4 00
Mrs. G. A. Milson	4 00
Mrs. Thos. Lawson	3 00
Dorothy	2 00
Irene	2 00
Sunbeam	2 50
Morning Glory	1 50
The Marquis	1 25
Genevieve Lord	1 25
Mrs. F. Joost	1 25
Daybreak	1 25
Wm. Scott	1 25
Ethel Crocker	1 25

CRIMSON	Per 100
Harry Fenn	$5 00
Gov. Roosevelt	2 50
Gen. Maceo	1 50

YELLOW	
Buttercup	3 00
Gold Nugget	2 00
Eldorado	1 25

VARIFGATED	
Dorothy Whitney	6 00
Prosperity	2 50
Mrs. G M. Bradt	3 00
Armazindy	1 25

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

The Largest, the Brightest, the Freest Scarlet CARNATION

CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

WILLIAM HOFFMAN, PAWTUCKET, R. I.

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing.

NEW
Fancy Carnation

"TIGER"

Orange, striped pink; 2½-3½ inches; calyx strong; fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Carnations

Rooted Cuttings

Genevieve Lord . . . . . $1.00 per 100
Morning Glory . . . . . . 1.50 per 100

Flora Hill, all sold.

JEWETT CITY GREENHOUSES
JEWETT CITY, CONN.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 50	$30 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing

CARNATIONS, Rooted Cuttings

We are receiving orders now for the Ne
Carnations of 1903; also for the New and Standar
sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa
Box 226.

Mention the Florists' Exchange when writing,

CARNATIONS

ROOTED CUTTINGS. CLEAN STOCK.

Fairmaid, $5.00 per 100; Mrs. Bradt and Mr
Lawson, $2.00 per 100. Elm City and Gen. Mace
$1.50 per 100. Wm. Scott, Mrs. Joost and Day
break, $1.00 per 100. From soil, 50c. per 100 extr

J. W. HOWARD,
RUSSELL ST., Woburn, Mass

Mention the Florists' Exchange when writin

CARNATIONS ROOTED CUTTING

	Per 100	Per 10
Cressbrook	$5 00	$40
Challenger	5 00	40
Fair Maid	6 00	50

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass

Mention the Florists' Exchange when writin

Murphy's White Carnatio

is proving itself a paying commercial whit
It was in full crop for the Holidays. Has bee
in continuous crop since August. We do n
claim a Fancy, but the best paying White on ou
market to-day, as a keeper, as a producer, sell
and shipper. It is all we claim for it. We a
booking orders now for February 1st to 15th d
livery. First-class cuttings and satisfactio
guaranteed, or money refunded. Place your o
der with S. S. Skidelsky, traveling salesman,
J. Gammage & Sons, London, Ont., Canadia
agents, or send direct. $6.00 per 100; $50.00 p
1000; $45.00 per 1000 in 5000 lots; $40.00 per 10
in 10,000 lots.

Wm. Murphy, Wholesale Carnation Growe
130 E. Third St., Cincinnati, Ohio

Mention the Florists' Exchange when writin

Carnation Cuttings

Well rooted. Now ready for immediate delivery.

	Per 100	Per 100
Cressbrook	$4.50	$40.0
Queen Louise	3.00	25.0
Roosevelt	3.50	30.0
Palmer	5.00	45.0
Higinbotham	6.00	50.0
Prosperity	3.50	30.0
Morning Glory	2.00	15.0

Liberal discount on large orders.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

NEW CARNATIONS

LOWNDES, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS. We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties, now ready.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS NOW READY

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
E. A. Nelson
Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen
Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella
Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney
Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Mention the Florists' Exchange when writing.

$UCCE$$

The New Pink Carnation

Succeeds in backing up the claim of the originator that it is the most prolific Carnation to date the best money-maker grown—and that is what we are all looking for. Bore much larger blooms and 35 per cent. more of them than Mrs. Joost last season. If you want strong, first-class rooted cuttings, order now from Henry F. Mitchell, Philadelphia, Pa., or J. Gammage & Sons, London, Ont., or send direct.

Rooted cuttings, $1.50 per doz.; $2 50 per 25; $8.00 per 100; $70.00 per 1000. Orders filled in strict rotation.

JOHN G. SHOLL, Burlington, N. J.
Dept. C.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$3 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Estella	3 00	Mrs. F. Joost	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

HEAVY ROOTED CARNATIONS

The same as the 327,525 already shipped, and not one single kick

	Per 100	Per 1000
9,000 Gov. Roosevelt	$1 00	$10 00
10,000 Norway	1 00	10 00
8,000 Genevieve Lord	1 00	10 00
3,000 Egypt	1 00	10 00
4,000 Portia	1 00	10 00
11,000 Eldorado	1 00	10 00
9,000 Mrs. Joost	1 00	10 00
20,000 Mermaid, fine	1 00	10 00
12,000 Argyle	1 00	10 00
8,000 Tidal Wave	1 00	10 00

Express prepaid at above prices. Net Spot Cash.

CALIFORNIA CARNATION CO., Lock Box 103, LOOMIS, CAL.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2.50	Bride	$1.50	Meteor	$1.50
Perle	2.50	Bridesmaid	1.50	Golden Gate	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	Mrs. Lawson	$2.00	G. H. Crane	$2.00
Flora Hill	1.50	The Marquis	1.50	America	1.50
Gov. Wolcott	6.00	Cressbrook	4.00	Adonis	14.00
White Bradt	12.00	Floriana	4.00		
Norway	2.00	Enchantress	12.00		
Lillian Pond	10.00	Morning Glory	2.00		
		STRIPED.		**MAROON.**	
		Gaiety	4.00	Gen. Maceo	1.50
		Prosperity	3.00	Roosevelt	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerly, R. I.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80.00	Mrs. Lawson	$2.00	$12.50
Flora Hill	1.50	10.00	America	1.50	10.00
White Cloud	1.50	10.00	Marquis	1 50	10.00
Norway	1.50	12.50	Elma	1.50	10.00
Queen Louise	2.50	20.00	Mrs. Potter Palmer	3.00	25.00
Prosperity	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Kaiserin	$3.50	$30.00	Bride	$3.00	$25.00
Ivory	4.00	35.00	Bridesmaid	3.00	25.00
			Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

ROOTED CUTTINGS—NEW VARIETIES

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Adonis, scarlet. (Hill)	14 00	120 00
Pres. McKinley, cerise. (Grave)	12 00	100 00
Murphy's White, (Murphy)	6 00	50 00
Lillian Pond, white. (Reuter)	10 00	75 00
Penelope, white. (Dorner)	5 00	40 00
Sibyl, cerise. (Dorner)	12 00	100 00

ROOTED CUTTINGS—STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, beautiful, large, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	40 00
Queen Louise, white, very free	3 00	25 00
Lorna, white, the largest and one of the best	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, scarlet, the best we ever grew	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

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Per inch, $1.25. Special positions extra. Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

Allegheny, Pa.—E. C. Reineman, 305 Lowry St.
Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
Chicago.—Robert Johnstone, 2361 N. 40th Ave.
Cincinnati, O.—E. G. Gillett, 113 E. 3d St.
Cleveland, O.—Geo. W. Smith, Wade Park Ave.
Colorado Springs, Colo.—J. B. Braidwood.
Cromwell, Conn.—W. H. Hanscom.
Denver, Colo.—Phil Scott.
Detroit.—Wm. Dilger, 26 Miami Ave.
Grand Rapids, Mich.—G. F. Crabb.
Hamilton, Ont.—Webster Bros.
Hartford, Conn.—J. F. Coombs.
Indianapolis.—Irwin Bertermann, Mass. Ave.
Kalamazoo, Mich.—Samuel Batson.
Kansas City, Mo.—E. D. Ellsworth, 1217 B'way.
Los Angeles.—H. W. Kruckeberg, 115 N. Main.
Louisville, Ky.—A. R. Baumer, 606 4th Ave.
Lynn, Mass.—William Miller.
Milwaukee.—C. C. Pollworth, 137 Oneida St.
Montreal, Que.—Fred Bennett, 136 Peel St.
Nashville, Tenn.—Benjamin F. Hensley.
New Haven, Conn.—W. McLean Gardner.
New Orleans, La.—H. Papworth, Palm Villa.
Newport, R. I.—T. Fieldhouse.
Omaha, Neb.—J. H. Bath.
Orange, N. J.—J. B. Davis.
Ottawa, Can.—E. I. Mepsted, 75 Jane St.
Philadelphia.—David Rust, Hortl. Hall, Broad St., below Locust.
Pittsburg, Pa.—See Allegheny.
Providence.—C. S. MacNair, 322 Weybosset St.
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St. Paul.—S. D. Dysinger, 459 St. Anthony Ave.
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Toledo, O.—C. J. S. Phillipps, 115 St. Clair St.
Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf, 14th & H Sts., N. W.
Worcester, Mass.—H. A. Jones.

Thursday, February 12 is Lincoln's Birthday Advertisements and correspondence for next week's issue should reach us not later than Wednesday, February 11.

Employer and Employee.

The discussion of the relations that should exist between employer and employee are at all times topics of absorbing interest, and just now seem to be getting more than their ordinary share of attention, both at home and abroad. Some views on the subject, as these have appeared in recent literature both in the United States and England, are considered timely, having in mind the strikes among greenhouse operatives and nursery employees in this country last year and the effort obtaining in the Dominion of Canada to establish a union for the purpose of regulating hours of labor, wages and other matters.

In a recent issue of The Gardening World, of London, F. W. Burbidge makes the following sensible statements:

> "All things considered, I am not so sure that the isolated and unorganized condition of gardeners is not in many ways an advantage to them. As a gardener myself, I should shudder to think of gardeners belonging to an organization, or craft union, the paid and, to some extent, irresponsible secretary of which should decree a general strike on any named date. To gardeners themselves I leave the picturing in their mind's eye of the result! No; a strike is bad enough when men engaged in working up dead materials and machinery take part in it. Even then a strike is like a battle or a lawsuit; to win it is nearly as bad as to lose. But one cannot imagine men who are growing or managing beautiful, living things—be it animals or plants—leaving them in a body to their fate, or, at best, to the hands of people who do not understand them. And yet I believe in all good gardeners being organized for their mutual good, which will also prove to be for the good of their employers. We may co-operate, but how best to do so must be left for a future paper. Without co-operation, organization and co-relation the world's business would come to a standstill, and the energy and work of centuries would end in chaos and be lost."

At the banquet tendered to its officers and employees by the Central Michigan Nursery last month, F. W. Remington, one of those who responded to a toast, remarked in part as under:

> "Employer and employee form the two important parts of every successful business enterprise. The employer sitting in his comfortable office in his leather cushioned chair dictating a half dozen letters at once to his stenographer and drawing a salary greater than any of his workmen is often regarded with envy and jealousy by his employees. The head of a large business enterprise certainly carries great responsibilities, and if successful has great opportunities at his command. It must be confessed that sometimes his position is envied by those in less conspicuous places. But there is an under or inner side, if you please, to his position. Great burdens and perplexities often rest upon him. In many cases he is managing the property not alone of himself, but of many others who have placed confidence in him which confidence his sense of manhood and honor compel him not to disappoint if possible.
>
> "The duties of an employer to his employees are numerous. I can only mention two of them: First, to pay good wages and these promptly and often. The employee, as a rule, has no capital and little credit. Hence, frequent payment of wages is very desirable. Second, a kindly consideration. While the primary object of employing men is for the purpose of making good dividends for the individual firm, or corporation, yet the higher law demands that the employer should not regard his employees as so many figure heads or hands, but as men with hearts and souls and brains, men of like passions, feelings and sentiments. Men who have others in many cases depending upon them who are as dear to them as the employer's loved ones are to him.
>
> "That there is often such kindness manifested by American employers to American employees may be the reason why America is leading the nations of the world in commercial enterprises.
>
> "The employee also has his duties and responsibilities and upon his faithfulness and loyalty much of the success of this or any other enterprise depends. Most men must work for others. It is stated that more than 90 per cent of men sooner or later fail in business. Hence it is that those successful often secure great rewards.
>
> "The relation of employee to employer is one of trust and confidence; of trust as regards his employee's honesty and fidelity; of confidence as regards his ability. An employee should make his employer's interests his own. He is employed by his employer and represents him in all his business relations with the world. The employee should deal honestly with his employer, making an exact and honest account of all monies that pass through his hands belonging to his employer, not only this but all goods, chattels, merchandise or property of any nature belonging to his employer should be so used as to preserve them from waste or destruction and to make them yield the largest returns to his employer. All of the business secrets or knowledge of the business of his employer which may come to him either directly or indirectly from his employer should be regarded by him as a sacred trust. The employee should also remember that while he may do the larger share of the work, the great burden of caring for the enterprise is borne by his employer, neither is it possible or wise for him to know all the "ins and outs" of the business enterprise.
>
> "There should not and need not be any conflict between capital and labor since both are necessary for the public good, and the one depends upon the co-operation of the other. While the employer represents the brains that plan, the employee may represent the hands that execute.
>
> "Whoever tries to sow discord between employer and employee is an enemy of social order. Whoever tries to improve the friendly relations between employer and employee is a benefactor to the community. Strikes and lock-outs are generally ill-advised and very expensive."

There is presented in the foregoing extracts much food for thought, both by those who employ and those who serve. A little kindly consideration on the part of each will be mutually advantageous. As Mr. Burbidge wisely remarks in another part of his communication: "Half the disputes—I might almost say the lion's share, which has been estimated at a half and two-quarters—between gardeners and their employers are due to misapprehensions or misunderstandings that a smattering of logic would clear away. There is one simple rule that all gardeners may follow with advantage to themselves, and that is, whenever they feel aggrieved they should turn the case round and imagine that they are the master and the master is the gardener! Then let them honestly ask themselves what they, as masters, would do in such a case."

The Carnation League.

This organization is receiving the endorsement of the lay press generally. Particularly enthusiastic on the subject are some of the papers of Buffalo, in which city the late President McKinley met his untimely death at the hands of the assassin. The superintendent of the Department of Public Instruction in that city requested the teachers in the public schools to take up the matter, and urged the wearing of a carnation on January 29. The Enquirer comments as follows:

> "The plan of the movement is a simple, inexpensive and attractive one, and can be taken part in by the old and the young of either sex. A beautiful fragrant flower worn in the lapel of the coat, or at the throat, or in the hair, in silent memory of a past public servant, whose life was forfeited because he was our servant, is what is contemplated by this movement. The fact that the carnation was President McKinley's favorite flower and was always found in his buttonhole, is the reason for its choice as a league symbol. No idea was had of making it the national flower, neither was it arbitrarily taken as a symbol. The President himself made the selection and the league will merely continue its use for the purpose set forth. On all other days of the year it will be what it is to-day, the common people's flower of all the highly cultivated varieties, but on January 29 of each year it becomes, especially, the President's flower and will be worn in silent tribute to his memory.
>
> "If the matter were to go on farther than it already has, there will be hundreds of thousands of people who will wear and display the carnation upon the designated day, so long as they live."

Another daily paper thus rhapsodizes on the divine flower:

> "Simple carnation, growing close to the soil from which all races spring and on which all the works they build must rest, close to the earth from which all things rise, typical of the wealth that comes only of planting and preserving, striving and holding, and of the glory that is created from the great, plain masses of the people, as the common dust has wrought its marvels; modest carnation, proclaiming virtues only by their actual, living presence; sweet carnation, gathering from the storehouse of Nature the honey of the air and guiding human aspirations with the incense of the stars; radiant carnation, seizing gladdest color of the fickle sunshine and holding it to cheer the clouded day as treasured hopes and joys illumine the darkest night; placed on our breasts by a departed martyr to national duty, whose love you shared with the whole people and the entire republic, we hail you as the national flower—a flower symbolical of patriotism, and gratitude for those who serve us!

New York Florists' Club Dinner.

The sixteenth annual dinner of the New York Florists' Club was held in the St. Denis Hotel on Saturday night last, and the event went off smoothly and enjoyably, from the oysters to the cigars. The dinner itself was all that could be desired and was much enjoyed. Fifty-one plates were set, and all branches of the craft were represented. The tables were gracefully adorned with choice flowers that had been donated by various growers. Lager & Hurrell, Summit, N. J., sent a beautiful bunch of Lælia autumnalis; W. H. Siebrecht, Astoria, N. Y., tulips and jonquils; John N. May, Summit, N. J., a bunch of white carnations; Robert Craig & Sons, Philadelphia, donated a bunch of Adonis carnations; C. W. Ward sent two vases of Mrs. Theodore Roosevelt carnations, and Anton Zvolanek, clusters of sweet peas of a superior quality.

The entertainment was furnished by T. Baker, a prominent topical vocal artist, and W. C. Kelly, humorist, assisted by an orchestra of three pieces, piano, violin and flute. The vocal music and the story-telling were highly appreciated, and the committee on management received many compliments for providing an entertainment that furnished such an abundance of "fun without vulgarity."

President Troy acted as toastmaster. He congratulated the club on the grand showing made at the sixteenth annual or anniversary dinner, and introduced John H. Taylor, of Bay Side, N. Y., who responded to the toast "Our Night." Mr. Taylor referred to the early days of the club's history, mentioning several of the gentlemen who had been active in its work in the past. He was glad to see the younger element trying to maintain the status which the club has reached through the efforts of its members in former days. Later in the evening Mr. Taylor deprecated the poor showing made by the rose growers in the vicinity of New York at the recent exhibition at Madison Square Garden. He was the only grower who exhibited Bridesmaid. He spoke reminiscently of his beginning in the business, adding that he first began selling roses about the year 1864.

John G. Esler, of Saddle River, N. J., responded to the toast "Our Sister Societies," having particular reference to the Society of American Florists. Mr. Esler touched more on the future of the S. A. F. He stated that if the florists of the country had an eye to patriotism they would go to Milwaukee next August ten thousand strong. There was no reason why the Society of American Florists should not keep abreast of the industry, so far as the numerical strength of the association's membership was concerned. If the secretary of the Society of American Florists could go to the Ways and Means Committee at Washington, representing a body ten thousand strong, it would show the committee that the florist's was an industry the interests of which must be considered. He touched on the value of the medals of the Society of American Florists. There was no need of any alarm about closer relations; the auxiliary societies have grown up to that stage where they can stand alone. It should be more a question of co-operation. Every club and florists' society should co-operate with the Society of American Florists. He advised all to be loyal to the club in which their greatest interest was centered, but above all to be loyal to the S. A. F.

Alexander Wallace, of the Florists' Exchange, responded for the horticultural press. He referred to the power exerted by the press in connection with the industry which it represented. The press was trying to keep pace with the development of the trade. He spoke of the willingness of all the trade papers to help the florist to a better knowledge of his business; also to assist him in obtaining redress for wrongs that were heaped upon him. He closed his remarks with the statement that the florists would at all times find in the horticultural press a willing listener to grievances of all kinds that may materialize. A few stories were introduced by the speaker, having reference to particular phases of the industry.

Treasurer Weathered was introduced by the toastmaster as "a man who was known not only in the United States and Canada, but all over Europe." The treasurer was particularly eloquent and strong in his denunciation of the antipathy shown by the public of New York ı the endeavor of the Florists' Club to rovide them with magnificent flower hows. A very pleasant event connectd with the treasurer's speech was the resentation to Ex-President Sheridan f a gold scarf pin, containing a ruby et in diamonds, as a slight token of ppreciation of the members of the 'lorists' Club for the hard and earest work of Mr. Sheridan, both as a residing officer and in connection with ower shows and other matters taken p by the club.

Mr. Sheridan feelingly replied and isclaimed having done other than his uty. Much of the good accomplished, e stated, was due to the aid given him y the other officers of the Florists' 'lub, as well as by the exhibition comnittee of which Mr. O'Mara was chairnan.

J. Austin Shaw read his annual poem." It took the form this year of parody on "The Raven" of Edgar llan Poe, and his customary dream afted him heavenward where, amidst elestial glory, he pictured the scenes uched upon in his verses.

During the evening songs were renered by Messrs. Schultheis, Butterld and Wallace.

The dinner was voted a grand sucess, reflecting great credit on the comnittee, Messrs. Weathered, Hafner, 'raendly, Sheridan and Butterfield.

eterioration of New Carnations.

The various communications appearng in our columns setting forth the act that certain varieties of carnaions have developed specific defects ufficient to preclude the disseminaion of such varieties, is a hopeful sign f the times. It shows a disposition on he part of introducers to carry out he well-worn advice of Polonius: "To hine own self be true, and it must folow as does the night the day, thou anst not then be false to any man." n making these announcements, the rower is not only safeguarding his wn reputation, but performing a duty those to whom he caters. It is ifficult to give a man praise for that hich duty compels him to perform, ut one cannot help commending the ction in question, just a little.

The practice is by no means a new ne; it has been in vogue among honst plant growers and distributers in eneral from time immemorial, and mong carnation growers in particular ver since the divine flower became an mportant factor in the commerce of orticulture. We know of one firm at east that has cultivated carnation eedlings for the past eight or ten ears, yet not one of the varieties obained has been introduced into comnerce, because at some period of their arly existence they developed defects ebarring them from dissemination. The information concerning such sorts as never made public by the concern tself, it was not necessary to do so, ecause care had been exercised to see o it that the real worth of the varities had been determined before pubicity should be given of their existnce.

This leads to the thought of the useulness of certificates and other honrs awarded to seedling carnations as guide to their subsequent value for eneral cultivation. There is no quesion that awards of this nature influnce the sale of such varieties placed n the market, but this is one of the nevitable accompaniments of plant inroduction for which the introducer is ot wholly to blame. It should be orne in mind that the variety winning n award has been brought to the necssary state of perfection demanded by he society giving such award; that pon the future conduct of that variety he honors obtained can have no posible bearing. Some carnations mainain the degree of perfection and even ttain a greater degree after disseminaion and certification; others go back, s has been seen, even in the hands of hose by whom they were originated. Yet we must have some incentive to he obtaining of new varieties, and hose growers will be their own best riends, as well as the friends of the rade in general, who satisfy themelves of the actual value of a carnaion seedling by several years' test, revious to even placing the variety before an organization for certification or other recognition; and if, perchance, an error of judgment on the grower's part enters into the matter, rectify it at the earliest possible moment by public announcement, so that a brother florist may not be allowed to suffer financial loss. The purchaser of a new carnation should never be permitted to discover weak points in it which prior careful observation and honesty of purpose would reveal to the party responsible for its introduction.

Reflections on Current Topics.

MR. EDITOR: Again, that alleged "S. A. F. Peony Association." What a wealth of wisdom and Baconian philosophy are reflected in the written words of the secretary of that fatuous body. The occultism of the reasoning exemplified in transforming a committee into an "association" is a gem. Summarized, it looks to me like this: The narrow part, or neck, is a committee; the wide part, or trunk, is an "association." Does this so-called "association" actually know what it is? If properly organized, why those changes in the manner of its operation? At first it claimed to be the whole thing, with the S. A. F. a mere nonentity, membership in which was flung in as a "sop" as you rightly termed it, to further the alleged peony "association's" prospects. Now, the "association" is the nonentity; and I guess that designation just about fits it. The wonderful necromancy of the secretary of the alleged "association" reminds me of a little experience I once had. A friend and myself were standing talking at a street corner one evening when an official of the law with more bumptiousness than good manners, ejaculated in his choicest Hibernian: "Moove an, ye crowd." On being advised there were only two of us. that his eyesight might be defective, he immediately retorted: "G'wan, Oi saay; wan's a crowd if Oi saay so." One can never account for the optical delusions that materialize before those unfortunate individuals, who "dressed in a little brief authority," suffer thereby from an enlargement under the hat, and "cut such fantastic tricks before high Heaven as would make the angels weep."

There appears in last week's Florists' Review a statement that interests me. Speaking of the secretary's "explanation," the Review says "there would be no serious objection to the turn given the matter were it not an evident effort to head off the gentlemen who had already begun the formation of a national peony society." Here then, thought I, is the milk in the cocoanut—the reason for haste in the report of the so-called "association" appearing a year before it was wanted. But what causes reflection is, why are the names of the other members of the committee withheld from publication? Who were present at the committee's meeting of organization, and why is such an irregular report of the proceedings of that meeting permitted to appear in the official records of the S. A. F.?

It appears to me as if it were "up to the president and secretary of the S. A. F." to put themselves right on this subject. The president is charged with granting the peony committee he appointed "power to add to its numbers." Under what ruling of the society was he invested with that authority? I can scarcely credit that the president would be a party to any action instituted to "head off" any effort to form a national peony or other society. He has more good sense than to create antagonism to the body that has twice honored him with the position he holds. Nor would he be made the "tool" of misguided individuals, guilty of such a short-sighted policy. Probably he will give an explanation that "explains" something; at least, I, for one, think he should.

All of us desire to see the S. A. F. respected and looked up to as a body acting at all times on the square for the benefit of all constituting its membership. Heretofore, it has wisely avoided complications tending to belittle or beget the belief that petty meanness formed any part of the make-up of those in charge of its affairs. The rectification of peony nomenclature, the avowed object leading to the formation of "the committee of nine," is too puny a matter about which to hazard the fair name of the S. A. F. or to throw suspicion of intrigue on its officers. Men who condescend to "peanut politics" in order to gain their end, using the S. A. F. as a convenient instrument in the furtherance of their designs, whether that end be a justifiable one or otherwise, are no friends of the society nor of the trade it represents. It is a mistake to trust any part of the society's work in such hands. That, Mr. Editor, is the candid opinion of

JOB.

Contents.

PAGE
A Fellow Feeling, Etc. 134
A Quaint Old House and Garden 134
Briefs for Busy Florists 143
Bowling 148B
Carnation League, The 140
Carnations 142
Carnations, Deterioration of New 141
Catalogues Received 149
Employer and Employee 140
Express Rates 134
Fires 143
Market, Review of the 144
Matheson, Donald, and His Cottage (Illustrated) 135
Nursery Department 135
New York Florists' Club Dinner 140
Petunias in California (Illus.) 143
Phoenix Canariensis at Santa Barbara, Cal. (Illus.) 142
Question Box 142
Reflections on Current Topics 141
Seed Trade Report 131
Something to Be Pushed Along 134
Tomato, Tree 135
TRADE NOTES:
  Denver, Washington 144
  Chicago, New York, Philadelphia 148B
  Cincinnati, Cleveland, Detroit, Grand Rapids, St. Louis 149
  Indianapolis, Providence, R. I. 150
  Cromwell, Conn. 151

INDEX OF ADVERTISERS

Allen J K 147
Altick H M 133
Amling E C 149
Anderson & Christensen 136
Andorra Nurseries 134
Aschmann G 136
Asmus E G 137
Bader J 136
Baker W J 148
Barrows H H & Son 145
Bassett & Washburn 139
Bayersdorfer H & Co 152
Beach Jas E 138
Becker J 137
Beckert W C 132
Berckmans P J Co 134
Berger H H & Co 132
Bernheimer E 148
Berning H G 149
Blaauw J & Co 134
Blue Hill Nurs 134
Bobbink & Atkins 129
Bock W A 136
Bonnot Bros 147
Boston Letter Co 150
Bradshaw & Hartman 147
Briarcliff G'houses 146
Brown Bros Co 134
Brown E C & Co 150
Brown P 133-46
Burpee W A & Co 130
Byer Bros 146
Caldwell, the Woodsman 146
Cal Carn Co 132-39
Campbell C 144
Canadian Advts 144
Carmody J D 151
Central Mich Nurs 146
Chicago Carn Co 139
Childs J L 130
Chinnick W J 134
Clucas & Boddington 129
Caldwell Lawn Mower Co 152
Conard & Jones Co 133
Connell Benj 145
Cottage Gardens 138
Cowee A 130
Cowee W J 150
Cowen's N Sons 150
Craig R & Son 133
Crooke J J Co 146
Croom J F & Bro 132
Crowl Fern Co 146
Cunningham J H 146
Cut Flower Ex 147
Davis A B & Son 132
Deamud J B 149
Deming Co 150
Dietsch A & Co 151
Diller, Caskey & Co 151
Dillon J L 138
Dillon G'house Mfg Co 151
Dingee & Conard Co 132
Dorner F & Sons Co 138
Dreer Hy A 131-36-50
Dumont & Co 148
East'n Chem Co 150
Eichholz H 138
Eisele C 152
Eisele J G 136
Elizabeth Nurs Co 131
Elliott W & Sons 130
Elliott W H 129
Emmans Geo M 133
Endtz Van Nes & Co 134
Evenden Bros 139
Farquhar R & J Co 132
Felthousen J E 133
F & F Nurseries 134
Fick & Faber 137
Fisher P 137
Fillow & Banks 138
Foley Mfg Co 151
Foster L H 133
Gammage J & Sons 144
Garland G M 151
Ghormley W 147
Giblin & Co 150
Grave E T 138
Greene & Underhill 133
Greenhouse Mfg Co 150
Gullett W H & Sons 137
Gunther W H 147
Guttman A G 147
Haerens Bros 133
Hammond J A 147
Harris C A & Co 146
Hartmann H & Co 133
Heacock Jos 133
Helios Upton Co 151
Heller & Co 130
Herr A M 133-37
Herr D K 133
Hermann A 152
Hews A H & Co 152
Hicks & Crawbuck 147
Hill E G Co 137
Hilfinger Bros 152
Hill Top G'houses 146
Hippard E 151
Hitchings & Co 152
Hoffman Wm 138
Holton & Hunkel Co 149
Horan E C 147
Hort'l Advertiser 150
Howard J W 138
Hughes G J 146
Hunt E H 149
Igoe Bros 137
Jacobs S & Son 152
Jackson J H 151
Jackson & Perkins Co 131-34
Jennings E B 146
Jessamine Gardens 134
Jewett City G'houses 138
Johnson & Stokes 131
Jones H T 132
Joosten C H 137
Just Geo 133
Kasting W F 148
King Construction Co 152
Koster & Co 134
Kraft T 138
Kreshover L J 137
Kroeschel Bros Co 151
Lager & Hurrell 133
Landreth D & Sons 132
Lang J 147
Langjahr A H 147
Leonhard T 137
Limbach C 150
Littlefield S 138
Little So. Floral Co 139
Livingston Seed Co 150
Lockland Lumb Co 151
Long D B 150
Longsdorf C L 134
Lord & Burnham Co 151
Lovett J T 131
Mader P 146
Manhattan Sup Co 145
Manger W & Sons 134
McFadden E C 133
McCarthy N F & Co 148
McKellar & Winterson 149
McManus J 147
Meyer C F 136
Michell H F 131
Moninger J C Co 150
Moon S C 132
Moon Wm H Co 134
Moore Hentz & Nash 147
Moore W J 148
Morel Bros 133
Moss G M 148
Mott Walter Sd Co 130
Muno J 149
Murphy Wm 138
Nat Board Trade 150
National Plant Co 137
Netschert F 146
N Y Cut Flow Co 147
Niessen L 148
Ouwerkerk P 134
Peacock S S 148
Perkins J J 147
Phila Market 146
Pierce F O Co 150
Pierson F R Co 129
Pierson Sefton Co 152
Pinehurst Nurseries 134
Pittsbg Cut Flow Co 148
Pollworth C C Co 149
Quaker City Mch Co 150
Rawlings E I 133
Rawson W W & Co 132
Raynor J I 147
Reed & Keller 150
Reich V E 151
Reid Ed 148
Reinberg George 149
Reinberg Peter 137
Repp John 132
Reuter S J 139
Reynolds J L Co 150
Richards F W & Co 146
Riedel & Co 147
Ripperger Geo 150
Robinson H M & Co 146
Roemer F 132
Rupp J F 132
Salter W H 137
Saltford Geo 147
Sander F & Son 133
Schmidt J C 132
Schultz F W O 130
Schultheis A 133
Scott J 133
Shellroad G'houses 130
Shepherd Mrs T B Co 130
Sheridan W F 147
Shell J G 139
Slinn B S Jr 147
Smith C 147
Smith N & Son 136
Smith Wm C 146
Smith W & T Co 134
Soltau C 146
So Park Floral Co 137
Springfield Floral Co 136
Stearns A T Lum Co 150
Stern J 150
Stoothoff H A Co 143
Storrs & Harrison Co 136
Stoye & Steele 134
Stumpp & Walter Co 130-46
Styer J J 132
Sutherland G A 148
Swayne W 138
Syracuse Pottery Co 152
Taylor E J 138
Tell Wm 133
Thompson J D 139
Thorburn J M & Co 132
Tobacco W & T Co 150
Traendly & Schenck 147
Vanhorn Griffen & Co 152
Vaughan's Sd Store 132
Vesey W J & M S 138
Vick's Jas Sons 132
Vincent R Jr & Son 133-34
Vlasveld G & Sons 132
Vreeland F D 137
Warburton C 138
Weber C S & Co 151
Weber H & Sons 138
Webster Bros 144
Weeber & Don 132
Welch Bros 148
Weston H 133
Whilldin Pottery Co 152
Whitton & Sons 133
Wietor Bros 139
Williams A W 133
Witthold Geo Co 136
Wood Bros 146
Young J 147
Young & Nugent 147
Zijp H & Co 130

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 133-46
Ageratum 133-46
Alpine Plants 134
Alternanthera 133
Alyssum 132-33-46
Ampelopsis 131
Amygdalus 129
Araucaria 133-36-44
Asparagus 129-32-33-36-44-46
Asters 130-31
Azaleas 129-30-33-34-36
Begonias 129-31-32-33-36-46
Bougainvillea 136
Box 130-34
Bulbs (not named) 130-32-49
Caladium 129
Cannas 129-31-33-34-36-45-46
Carnations 132-33-37-38-39-46
Centaurea 132
Chrysanthemums 133-38-45
Cinerarias 130-32-33-36
Citrus 134
Clematis 129-31-34-36
Coleus 133-46
Conifers 134
Crotons 133
Cuphea 146
Cut Flowers 146-47-48-49
Cycas 136
Cyclamen 132-46
Dahlias 129-32
Daisies 132-36-46
Decorative Plants 133
Deutzia 130
Dielytra 129-34
Dracaena 132-33-46
Epiphyllum 130
Ericas 133
Evergreens 134
Farfugium 130
Fern Balls 129-30-31-36
Ferns 133-36-38-46
Feverfew 133-46
Ficus 134-36
Fuchsias 133-46
Gazanias 146
Genistas 133
Geraniums 132-33-36-37-44-46
Gladioli 129-30-45
Gloxinias 129-31
Heliotrope 133-46
Herbaceous Plants 134
Hyacinths 129-30-37
Hydrangeas 134
Ipomea 146
Iris 129
Ivy 129-33-46
Kin Kans 134
Lantana 133-46
Lemons 134
Lilacs 129-30-34
Lilies 129-30-34
Lobelia 132
Madeira Vines 129-45
Maples 134
Manetti Stocks 137
Maples 134
Myosotis 133
Nursery Stock 130-31-34
Orange 134
Orchids 133-36
Palms 129-30-33-34-36-44
Pansy 132-33-46
Peonies 129-34
Petunia 132-33-46
Phlox 132-45
Pilea 146
Pinks, Hardy 146
Privet 132
Pteris 130
Rhododendron 129-34
Roses 129-30-33-34-37-38-39-44
Salvia 132-33-46
Seaforthia 130
Seeds (not named) 130-31-32-48
Selaginella 133
Shamrock 132
Shrubs 134-45
Small Fruits 134
Smilax 133-46
Spiræa 129-30-34
Staphylea 129
Strobilanthes 146
Swainsona 133-46
Trees 133-34
Tritoma 145
Tuberoses 129-32
Tulips 129-33
Vegetables 132-33-34
Verbena 132-33-46
Viburnum 129
Vincas 133-46
Vines 145
Violets 132-33
Wistaria 129

MISCELLANEOUS.

Auctioneers 148
Bamboo Canes 146
Boilers 150-51-52
Books 138-46
Business Opps 145
Carnation Bands 131
Collections 150
Cut Flower Boxes 150
Decorative Greenery 146
Designs 146-48-49-52
Fertilizers 130-50
Fittings 151-52
Florists' Letters 148-50
Florists' Supplies 148-49-50-52
Flower Pots, etc. 148-52
For Sale 144-45
Galax 146
Glass 150-51-52
Glazing Points 150
Greenhouse Bldg 151-52
Gutters 151
Insecticides 130-32-50
Lawn Mowers 152
Lumber 150-51-52
Mastica 150
Moss 146
Mushroom Spawn 132
Newspapers 150
Painters' Supplies 150
Printing 150
Putty 151-52
Sash 150-51-52
Seed Cases 130
Sprayers 150
Stakes & Supports 137-51
Thermometers 151
Tile 151
Toothpicks 150
Ventilators 150-51-52
Wants 145
Wax Flowers & Designs 150
Wire 137

CARNATIONS

Cutting and Packing.

Where there is a large local trade and the entire cut is used in filling retail orders, the handling of the blooms is comparatively easy; but it becomes a difficult problem when the grower must ship his cut to a distant market. I wish to confine the following remarks to the latter case, and I shall endeavor to give you our method of handling the flowers.

We may not be entirely up-to-date in this, but we have, at least, very fair success with our shipments and few complaints of wilted or damaged blooms. First, let us take the condition of the flower as it leaves the plant; and if it is at the right stage of development we should be able to handle it and keep it without its being injured. I do not like a bloom to be fully developed, although many favor its being so, with the general run of varieties. With the flower a little short of perfect development, we get better results, when it must be shipped. Then, too, in the case of Mrs. Thomas W. Lawson, for instance, we get a better color. This is not true always in the case of white varieties, as they usually have a yellowish shade which they lose with development; but it is the general rule to cut before our blooms get fully developed.

In the Fall of the year and during the Winter the latter part of the afternoon is the best time for cutting, but as the sunny days of Spring come along the flowers should be in the cooler before the sun has had a chance to take the stiffening from them. Morning cutting in the Spring saves a great deal of shading, and keeps the color of the blooms nearer the standard.

There is no secret about cutting carnation flowers, but there are a few points which are very noticeable. In the first place, a bloom that is broken will not, in nine cases out of ten, keep as long as one that is cut. The old method of tearing off the flowers is a thing of the past, and with it has gone the old story of sleepy carnations.

There are two things to be considered when cutting: the first is "the bloom" and the second is "the plant." Or, perhaps, I should give the plant more prominence, for in the Fall and early Winter it is of far greater importance. We make it a rule to take for stem no more than is necessary during the first of the year. For a saleable flower a good length of stem is a necessity, but that does not mean you must rob the plant of the young growth to furnish this. Then, too, the varieties differ, and I quote a few examples to show this. Mrs. Lawson at first came so that it was necessary to cut below the cuttings, and it has broken from eyes then dormant, or practically so. At this present writing, however, we get plenty of stem without depriving the plant of this growth, which is in reality flowering wood. Genevieve Lord we are cutting very long in order that the flowering shoots already running up may have a chance as the plants need thinning out. Governor Wolcott and Norway give plenty of stem without going below the cuttings, while General Maceo and Governor Roosevelt must be severed below these cuttings or, at least, below part of them. It is especially noticeable in the case of Mrs. Lawson that the break from the lower eyes, while requiring a little more time, is much stronger and, as a rule, produces a better bloom. Then, again, if care is taken the flower can be cut just above a cutting as easily as below it, or directly through it, as is often the case.

In speaking of leaving this young growth, or cuttings, I want to make a distinction between the soft upper cuttings and the hard lower ones, for these soft cuttings are valueless, and are not considered in this case.

Considering, then, that the bloom has been cut with a proper length of stem and that the plant has been left in some sort of shape, let us discuss the flower entirely. The first work is grading, and this also depends on the market. A carnation has ceased to be a carnation in one sense of the word; now the varieties are sold under their varietal names; and, to-day, we see them sold instead of simply fancies as Mrs. Lawson, G. H. Crane, etc. This is no doubt a step forward and yet the title alone is not enough, for a named variety on the market is usually a fancy and yet it must be up to the standard or the name means nothing. A second-rate flower will bring no more money because it happens to be a Mrs. Lawson than if it were a Wm. Scott of equal quality, and carnations should be sorted with this in mind. Keep up the standard of the varieties, even if all of your blooms cannot come up to it.

PHŒNIX CANARIENSIS, GROWING IN THE OPEN GROUND AT SANTA BARBARA, CAL.

The sorting should be done in a room the temperature of which is not over the temperature from which the flowers were taken. That is the safe side, and a carnation needs at least twelve hours in water before shipment. We try to keep them in a room which is from 10 to 15 degrees cooler than the temperature at which they were grown. This brings the temperature down to from 40 to 45 degrees, and with the stems in a good depth of fresh water and with plenty of air, the flowers should be in excellent shape for shipment.

Air is, without doubt, the most important thing in connection with carnations. Give them plenty of fresh air in the houses while they are growing and they will be healthy. Blooms from healthy, vigorous plants keep the best. But they must also have plenty of air after they are cut; and a close ice-box is death to the keeping qualities of any carnation. They despise an ice-box on principle, and a room cooled with the outside air, and plenty of it, is the only fit place for them. If more retailers realized this, they would find it money in their pockets, and if more wholesalers would provide these conditions there would be less fault found with their returns.

I believe that florists generally are realizing the importance of fresh air for cut flowers, and the fewer complaints of keeping qualities is a testimonial to the truth of this.

Packing carnation flowers is merely a matter of carefulness, and there is very little to be said on the subject. We use light, flat boxes and pack fancy blooms singly, putting strips across the stems to hold them in place. With ordinary varieties, which are bunched, twenty-five in a bunch, for convenience, the bunches are packed as single blooms, and the strip used to fasten the ends of the bunches. If securely fastened and not crowded, and thus smashed out of shape, the flowers should carry well and be received in good condition.

Mixed Stock.

On general principles I object to mixed stock, and yet in buying stock one often gets a mixture. In many cases this is accidental, and the many standard dealers in carnation stock are very careful not to send it out. I have a mixture this year, however, of one plant in a batch of Governor Wolcott, and I am taking this opportunity to bring the name of the guilty party before the public. Peter Fisher, of Ellis, Mass., is the man; but he has been kind enough to identify the beautiful variety for me and it is now labeled Mrs. M. A. Patten instead of Governor Wolcott sport. In habit it is very similar to Governor Wolcott, and the flower is all that could be desired, with a stem to match. Before I made certain that it was this seedling of Mr. Fisher's, I had the idea that I had a valuable sport, but I now congratulate myself that I have an increasing stock of a variety which will be heard of in 1904, and one which will, unless I am mistaken, replace the doubtful Mrs. George M. Bradt in popular favor. I take this opportunity of thanking Mr. Fisher for his consideration in giving me the variety ahead of my contemporaries, and I wish to assure him that I shall not make any attempt to profit by his error from the standpoint of the stock market, but shall grow all I can propagate merely because I believe it to be the best variegated carnation I have seen.

W. R. PIERSON.

AMERICAN CARNATION SOCIETY.

Railroad Rates to Brooklyn Convention.

The Central Passenger Association, the Trunk Line and the New England, all will allow the rate of fare and one-third on the certificate plan for the meeting of the American Carnation Society in Brooklyn, N. Y., February 19 and 20.

This includes the southern half of Michigan, all but a small part of the northern part of Illinois, the whole of the States Indiana, Ohio, Pennsylvania, New York, Maryland, Maine, New Hampshire, Massachusetts, Rhode Island and Connecticut; also the northern half of West Virginia and Virginia, and that portion of Canada south of Toronto.

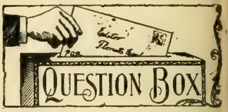
This plan lessens the expense of attendance considerably, and it is earnestly requested that all members in these localities buy their tickets on the certificate plan. Parties who intend becoming members at the meeting can buy these tickets, but if they do not join at the meeting they will not be able to get the return rate.

ALBERT M. HERR, Secretary.

Phoenix Canariensis at Santa Barbara, Cal.

The accompanying illustration shows a field of Phoenix canariensis in the grounds of the Southern California Acclimatizing Association at Santa Barbara, Cal. These were planted in the Summer of 1899, with only two seed leaves, and some of them have attained over eight feet at the present writing. No water was given to them after the first Summer, thus insuring a vigorous and sturdy natural growth.

The possibilities of Southern California also in this line are already attracting the attention of leading firms in the East who were used to purchase large-sized palms from Europe at very high prices.



Ficus Leaves Turning Yellow.

(23) The ficus leaves are turning yellow with old age and have, no doubt, been helped to that condition earlier than they would otherwise have been by the plant being watered too much since growing for the season ceased. If the discolored leaves are removed, and the plant kept somewhat dry until growth starts again, no serious injury to the plant will result.

Lilies for Easter.

(24) How can I hustle Lilium longiflorum multiflorum, size 5 x 7, into bloom for Easter? The bulbs were planted on November 27, and have made a growth of only three inches. I am running the house at a temperature of 60 degrees at night, and 70 to 75 degrees in the daytime. Would it be advisable to use sheep manure?

L. J. G.

—The lilies will need to be kept growing rapidly from now until the buds show, and the temperature should be raised from five to eight degrees at night. That is the only method to employ. The manure would not help towards forcing.

Freesias for Easter.

(25) I have some Freesia refracta alba which I desire to bring into flower for Easter. The bulbs were planted in flats on December 23, and the plantlets are now about half an inch in height. How should I treat them?

SUBSCRIBER.

—The freesias should bloom for Easter if kept growing in a warm house, with, say, a night temperature of 58 degrees, and a rise of ten degrees in the daytime.

Violets.

(26) We have an old greenhouse, one of the side benches of which we thought would suit double violets. We planted them about October 1 out of three-inch pots. The plants have been in bud a long time, but the blossoms do not seem to mature. The temperature nights runs from 50 to 40 degrees, the latter only in very cold zero weather. The greenhouse is an ideal one for callas, azaleas, cinerarias, ericas, primulas, freesias, and at the cool end for stocks, snapdragons, cool country ferns, etc.; but, alas, for the violets. The leaves curl up and some of the lower ones decay and perish. What is the trouble; and will the plants flower by-and-by?

CANADIAN.

—Violets cannot be grown successfully in a house when among other plants. The syringing and watering of the general stock has no doubt created an uncongenial atmosphere in the present instance, and the violets have, of course, been at a disadvantage. The plants will no doubt commence to develop their buds as the Spring aproaches, but to grow violets at all satisfactorily it is necessary to have them in a house by themselves.

Fir Tree Oil.

(27) Please tell me how to mix Fir Tree Oil with water, and in what proportions for spraying tender plants. I have the oil, but do not know how to combine it with water.

M. G.

—Fir tree oil is best when mixed with warm water. Allow the mixture to stand an hour or two and skim off the "cream" that forms. For Aphis, use half a pint of the oil to five gallons of water; for Mealy Bug and scale, use half a pint of oil to one gallon of water.

Asparagus Sprengeri.

(28) I send you under separate cover some Asparagus Sprengeri. The outside is green, but the seed is hard and black. Is not this ripe enough to pick? It would save lots of work if the whole crop could be gathered now. CAL.

—All the seeds of the asparagus were ripe enough, and may be picked at any time.

Manure.

(29) I want to get a good soil for potting and bedding palms, sword ferns, ornamental asparagus, etc., and can get the following materials at prices given:

	Per yard.
Street sweepings, as per sample..	$0 75
Cow manure, semi-green..........	1 25
Barnyard manure, green..........	40
Ordinary soil........................	75
Sand	75
Leaf mould..........................	2 50

Pleast tell me what combination would be best, taking price into consideration. Are these prices above or below the average?

Is leaf mould in general use yet, or has a substitute been found at less cost?

Could fresh sawdust be used to any advantage in making porous soil for ferns, etc.? CAL.

—The prices of the compost materials are, we think, very reasonable. We would cut out the leaf mould, the sand and the barnyard manure, and would compost the remainder in the following proportions: Soil, four yards; cow manure, one yard; street sweepings, one yard. Sawdust is no good for mixing in any soil.

Forcing Dielytra and Amygdalus for Easter.

(30) H. L. A.—The dielytra, or dicentra plants are, we suppose, already potted, and under a bench in a cool house. To have them in time for Easter, they will need to be put in the full light the last week of this month, and, with a night temperature of about 58 degrees, should flower all right for Easter.

The amygdalus needs but a similar treatment as is given to prunus and deutzias. Put them in the greenhouse the first of March, or, to be on the safe side, a few days earlier; maintain a temperature ranging from 55 degrees at night to 65 degrees in the daytime, giving full light and all the air possible.

Cuttings of Gardenia.

(31) Please inform me when is the best time to make cuttings of gardenia, what kind of wood must I use, and what temperature must I keep them day time and night? F. B.

—To propagate gardenias use the ripened wood, and put the cuttings in sand with a bottom heat of 75 or 80 degrees. They may be put in at any time during January and February, and if that part of the sand bench is enclosed with a portable frame, so much the better. Keep rather close until they are rooted, then give plenty of air. Pot when necessary, and grow in a house where the temperature is 65 or 70 degrees at night and 75 to 80 degrees during the day.

MRS. THOS. GOULD, PETUNIA SPECIALIST, VENTURA, CAL.

Photo Surrounded by Her Favorite Blossoms.

GLIMPSE OF VENTURA-BY-THE-SEA, CAL.

BRIEFS FOR BUSY FLORISTS.

DAHLIAS.—If one has a few roots of some choice kind and desires to increase the stock as much as possible before time to plant outdoors, the roots should be started into growth about this time. All that is necessary is to lay the tubers on the bench, where there is an inch or two of soil or sand (without separating the tubers at all), then spread a little light soil over them, and keep them moist. There they will soon send out shoots that should be made into cuttings, and rooted in the usual manner, potting them along as required until the time to plant outside arrives. By this means a goodly stock can be raised from a very small number of tubers.

GRAFTING ROSES.—As the present month is the time when this operation is usually performed, a few words on the subject here will not be out of place. The stocks should be potted up several weeks previous, and remain in a temperature of about 40 degrees. What would make a good cutting is about right to use as the cion, and the side grafting method is as good as the best. Make a clean slanting cut through the cion, running about three-quarters of an inch, and a similar cut through the stock, as near to the soil as possible, cutting upwards from the base. Put the cut pieces together and bind firmly, but not too tight. The grafts should then be placed in a closed frame that has been prepared on one of the benches; and a temperature ranging about 80 degrees should be maintained. The bottom of the frame should have a good thickness of sand laid over it, and this being thoroughly saturated when the newly grafted plants are put in, will supply moisture enough to make it unnecessary to open the frame for the first two or three days, as air playing on the plants is to be avoided at this time. Should any of the plants get dry, however, these must be watered, but not a drop should reach the grafted part of the plants. When the two parts become united, which is easily told by observation, commence to give a little air; an hour or two daily will be long enough at first; increasing gradually, so that in about two weeks they are fully exposed to the temperature of the house in which the frame is located. The tying material should be taken off when the union is perfected, and after the hardening off process is finished, they need only the same treatment as is given rooted cuttings.

Petunias in California.

We inclose a few photos (herewith reproduced) which may give your readers some idea of two of our new strains of petunias, viz., the new "Century Prize" and our "Snowball," double. The blossoms, of course, are all of reduced size. The spray of three flowers is an absolutely pure white, with an intense yellow throat, one of the most perfect petunia flowers ever seen or conceived. The others are in varying shades of crimson pink, blue and white. The "Snowball" double is accurately described by the name.

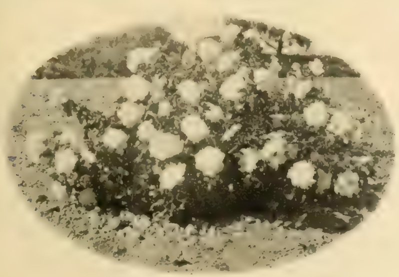
I think you will find this little glimpse of a portion of our town interesting. MRS. THOS. GOULD.

Venture, Cal.

FIRES.

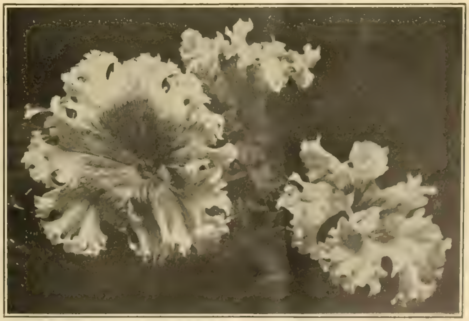
ALPENA, MICH.—A fire, which did considerable damage, occurred in the greenhouse of Alfred Linke last week. There was no insurance. A. P. C.

IONIA, MICH.—On January 31 fire in the greenhouse establishment of Vincent Brothers on Jackson street did damage to the extent of $3.000. No insurance.



PETUNIA SNOWBALL, DOUBLE.

Grown by Mrs. T. Gould, Ventura, Cal.



NEW CENTURY PRIZE PETUNIAS, WHITE, WITH YELLOW THROAT.

Originated by Mrs. Thos. Gould, Ventura, Cal.

Review of the Market

NEW YORK.—There is a general langor about the cut flower business that seems almost unaccountable for this season of the year. Whether it is that flower buyers are economizing on account of the higher prices of the necessaries of life, or that the spirit of entertaining is dormant among the wealthy classes, we cannot say, but there does seem to be a dearth of events at which cut flowers are used at all lavishly, consequently the wholesale business is not what we would expect, considering the cost of producing flowers at the present time.

Bride and Bridesmaid roses have dropped a few points this week and, in fact, the white variety is quite difficult to dispose of and will average a much lower figure than the pink one. American Beauty, not being so plentiful, have remained fairly stiff all through the week, with no change in values.

Violets have settled down to ordinary figures, and 60c. per 100 for specials is a common price, very few reaching the 75c. mark. Ordinary grades accumulate heavily at times, and job lots are unloaded occasionally at extremely low figures.

There is a plentiful supply of cattleyas, with a general weakening in values. Good-sized flowers can be had at 60c. each. Of Dendrobium formosum there is also a regular supply, selling at 25c. each. In bulbous flowers the supply is more than ample for the demand, and some cutting has to be done in certain lines. Narcissus Paper White are selling at $2.00; N. Poeticus, $2.00; N. Von Sion, $3.00; N. Campernelle, $1.00; N. Golden Spur, $4.00; N. Trumpet Major, $2.00 and $3.00; N. Princeps, $3.00 to $4.00 per 100. Roman hyacinths bring from $1.50 to $2.00, according to the quantity sold. Tulips, single white and yellow, are bringing $2.00 and $2.50, according to quality, some fine varieties reaching as high as 60c. per dozen.

Among the lilies now coming in are some showing unmistakable signs of disease, and for these the prices realized are beneath the regular quoted rates.

There is not much change in carnation values among the ordinary grades, but there is some weakening in the fancy lines. The supply is adequate for all demands, but if the thieves who are at work among the Long Island growers are not captured soon, we may look for a shortage in the supply for this market.

There are plenty of sweet peas, lilac and freesias on hand, for which there is a fairly good demand. Lily of the valley is selling quite slowly and low figures are the rule.

BOSTON. During the latter part of last week business held up fairly well, but this week it has fallen flat again, owing, no doubt to the dull, disagreeable weather of Monday and Wednesday. The market is in about the same condition as last reported, with white carnations and white roses of the small to medium grades scarce and in very good demand.

American Beauty are very much as stated last week, and prices range about the same. Bride are selling very well, especially the medium grades and the smaller ones, and many more might be disposed of at prices ranging from $5.00 to $12.50 per 100. The better grades make from $16.00 to $25.00 per 100, but such do not move so rapidly, though cleaning out daily. Bridesmaid are a little more plentiful and do not sell quite so readily as the white roses. Good red roses are in demand at figures that would ordinarily be considered exorbitant. Special Liberty have reached $6.00 per dozen and are in limited supply, though $4.00 rules the sale for many very good ones. The best of the Meteor have reached $3.00 per dozen, with smaller grades down to $10.00 per 100.

Carnations during the latter part of last week were very scarce and eagerly sought for; and though not much more plentiful this week, the flowers are not in quite such demand. Prices range from $2.50 to $4.00 for the ordinary sorts with fancy stock of these kinds at $5.00 and novelties up to $8.00 per 100. Good white carnations make $3.00 and $4.00 easily, and extra stock $5.00 and $6.00.

Bulbous stock is now in good variety and, as a rule, cleans up pretty well. Jonquils and Von Sion narcissus are not very plentiful, clearing out daily at $3.00 to $4.00 per 100. Golden Spur has reached as high as $6.00 per 100. Tulips are improving rapidly and do well at $3.00 to $4.00 per 100. Roman hyacinths make $1.50 and $2.00, and Paper White narcissus, $2.00 to $3.00 per 100. Lily of the valley is druggy. Lilies are in good supply, and meet with a very fair demand; prices range from $8.00 to $12.50 per 100. Violets have now become very druggy and prices are only maintained with difficulty. The ordinary grade of violets makes 50c. to 60c. per 100 with extras at 75c.

Mignonette is only fairly good and not very plentiful, and prices hold up well. Smilax sells very well at $18.00 and $20.00 per 100, and all greens are only in fair supply.

Pans of bulbous stock, Roman and Dutch hyacinths, von Sion narcissus and tulips in variety are now coming in regularly, and sell very well at 60c. a pan, either singly or by the dozen. Azaleas, too, are plentiful now, selling at average prices. Genistas and lilacs in pots have appeared, and a few early rhododendrons are coming in. F. J. N.

INDIANAPOLIS. The past week has been one of the steadiest and best experienced by the trade this Winter. Funeral work, especially, is more abundant than for some time past. Stocks of all kinds have been scarce, and many orders have remained unfilled because of the scarcity. As is natural, the prices have advanced all along the line, but, as a general thing, the public is more willing to pay top notch figures. Plants have sold well, the demand being mostly for good azaleas, shrubs and bulbous stock in pots and pans.

Roses especially have been scarce. They are hardly up to the standard in quality. Bridesmaid and Bride have sold wholesale at 6c. to 10c. and 12c. Liberty at $3.00 per dozen, wholesale; $4.00 to $5.00, retail. Meteor are fair at 6c. and 8c., wholesale, $1.50 to $2.00, retail.

Carnations have sold well, and it has been somewhat easier to obtain them than roses, $2.00 to $4.00 wholesale, and 75c. to $1.00 retail, are the prevailing prices for carnations.

Happily there is an abundant violet crop at this time. Bunches of twenty-five, double, sell at 35c. to 50c.; single at 25c. for the same number. I. B.

ST. PAUL, MINN. The scarcity of good stock is daily becoming more apparent. Roses have not at any time been half a crop. Carnations are but little better, while American Beauty are really out of the question. Violets are also in the short list. Bulbous stock is being used in large quantities to take the place of other stock, so that there is little or nothing left to show customers after 3 p. m. each day. Coal indications have not improved; in fact, are worse than they have been and everybody—coal dealers included—is praying for release from Winter's icy fetters. Trade has been good, considering the scarcity of stock, and January sales were fully up to the average of former years.

Retail prices range as follows: Roses, $2.00 per dozen; carnations, 75c. to $1.50; tulips, paper whites, narcissus, Roman, hyacinths, freesias, daffodils and lily of the valley, 50c. to 75c. per dozen.

Shipping trade has been good, though there has been general complaint all along the line on account of excessive express charges. VERITAS.

PITTSBURG.—The cut flower trade is holding up well; always something doing. The only complaint one hears now is about scarcity of stock and rather high prices. Roses are still scarce and for good stock about $15.00 per hundred is demanded. At retail they sell from $3.00 to $5.00 per dozen. Very few American Beauty are to be had. Carnations are not any too plentiful yet; fair blooms bring from 75c. per dozen and better. Violets are in good demand. Von Sion, Trumpet Major and a few other sorts of narcissus sell pretty well, but are not abundant yet. Good tulips are also scarce.

Plant sales are somewhat slow at present, although the weather is rather favorable, the thermometer registering in the sixties for several days. L. I. Neff has a fine lot of single primulas in his store window. E. C. R.

BUFFALO. A general quietness now seems to pervade the stores, though what is doing seems to use all the stock now obtainable, which in general is still scarce, with prices a bit stiff, for this date. A decided spurt in the demand for carnations was the order on McKinley Day last week, everything obtainable being sold. Palmer claimed the disposal over the counter, at retail, of fully three thousand blooms. The prices to the consumer ranged from 10c. upward, each flower. Some would-be buyers demurred, somewhat naturally, and at lower prices no doubt the number of carnations called for on this day would be largely increased. Such a new applying method for the use of blooms would seem to open further possibilities that the craft may foster with interest. VIDI.

GRAND RAPIDS, MICH.—The dark weather is proving very detrimental to stock. Flowers come out slowly and are inclined to be soft, in spite of every effort to give all the air possible and the proper heat. Stock is very scarce, particularly carnations. Violets are plentiful. There is not much call for the single ones. Lady Hume Campbell sell fairly well, but the darker colored violets are preferred. Carnations bring 50c. to 75c. per dozen, although some poor flowers sell as low as 35c. Lily of the valley is plentiful. Paper White narcissus and Roman hyacinths realize 50c. to 75c., callas, $2.00; American Beauty roses, $2.00 to $6.00 per dozen; violets, light colors, 35c. per bunch of 25; dark, 25c. per dozen. G. F. C.

CHICAGO.—The condition of the market is about the same as last week, with same prices ruling as prevailed then. The supply of carnations is on the increase and as a consequence the market is a trifle easier than a week ago, although the values realized are the same, $1.50 to $4.00 per 100, with Prosperity and other fancy varieties bringing from $6.00 to $8.00 per 100.

Violets sell at from 60c. to $2.00 per 100. The supply of most all kinds of bulbous stock is increasing, especially of tulips. The price for the latter ranges from $2.00 to $5.00 per 100. R. J.

CINCINNATI, O.—There is plenty of business, but a scarcity of good stock. Prices remain the same as last week. Dark and dismal weather is the cause of all our trouble. Carnations are, on an average, better than roses. Violets are the only flowers that are equal to the market; they are coming in plentifully, and the price has dropped in consequence. They are selling now at $1.00 for the best, but 50c. is the ruling price. Prosperity carnations are bringing 8c., but are very scarce.

E. G. G.

CLEVELAND.—Trade is about the same as last reported, and as the heavy demand for funeral flowers is still in evidence, blooms of all kinds are eagerly sought for. Carnations seem to have the call, and all the wholesalers are sold out early. Prices remain about the same as quoted last week. Some very good long-stemmed tulips are coming in now, and this grade is bringing $4.00 per hundred. The supply of violets is steadily increasing, but as yet no overstock has taken place.

G. W. S.

DENVER.—Nearly every day has showed a clean-up in the stores the past week, and on two or three days it was particularly hard to get stock enough to fill orders. While trade has picked up handsomely, growers report plants off crop, especially roses. We had the pleasure to-day of taking a peep at Enchantress carnation, and that it is a grand variety is all we can say. The time can't come too quickly when we shall see the flowers on the counter. S.

DETROIT, MICH.—The prevailing scarcity of all flowers can only be attributed to the very long spell of dark days. The Government reports only two half bright days in January. Then again, an unusual call from outside cities has been experienced for funeral work. Anything goes, as well as any color. Bulbous flowers will relieve the situation somewhat, but there will not be enough of them until we get settled weather and more solar light.

DILGER.

SYRACUSE, N. Y.—The long continued dull weather has seriously affected the production of flowers. In December we had only two clear days and last month five. The numerous large functions and many funeral orders have compelled the florists to buy largely from out-of-town. Trade has been remarkably good all through, and the prospects are bright up to Lent, when society events will be fewer.

Park Superintendent Campbell has recovered sufficiently to be out on mild days.

Florist Morris, who was taken ill just before Christmas, has had a long seige of it, and is only now recovering. H. Y.

FIRMS WHO ARE BUILDING.

HEMPSTEAD, N. Y.—George Weston is building a greenhouse, 25 x 150 feet, for carnations.

LEXINGTON, KY.—Honaker, the florist, is increasing the capacity of his greenhouse.

BUCYRUS, O.—F. J. Norton has torn down his old houses and built five new ones, respectively, 84 x 12 feet, 84 x 23 feet, 84 x 18 feet, 140 x 12 feet, 140 x 18 feet, for roses, carnations and miscellaneous plants. Also, a boiler room, potting shed and coal cellar, although for the latter there is not much use, as he burns natural gas. Between the office and workroom is a cooling vault, 6 x 8 feet, made of hollow, glazed building blocks, with 2-inch stone corner. The Standard ventilating machine is used by Mr. Norton.

Denver.

At the meeting of the State Horticultural Society, held in the Chamber of Commerce on the 27th, 28th and 29th ultimo, a paper was prepared and read by Adam Kohankie, of the City Park Greenhouses, on the cultivation of hardy roses. The paper was very practical, and was much appreciated by those present.

Mr. Kohankie was followed by Mr. Pierce, a new aspirant in Colorado in landscape architecture, with an illustrated lecture on "Landscape Work," showing some pretty views of Central Park, New York; Fairmont Park, Philadelphia, and the parks of Buffalo. As work of this kind is in its infancy in Colorado, the illustrations showing what could be done by judicious planting were much appreciated. P. S.

Washington, D. C.

The Senate has just concurred in the bill which recently passed the House, providing for the erection of a new building for the Department of Agriculture, although the amount of the appropriation has been cut down. As originally presented, the bill carried an appropriation of $2,500,000, but has been amended to $1,500,000. The amendment furthermore specifically states that the new building shall be constructed in one certain spot—just immediately to the rear of the present Agricultural Building; and that no contract shall be entered into or any expenditure authorized in excess of the amount above mentioned. While the amount originally proposed would have enabled the Department to carry out some plans for increased and much better facilities, still it is thought that with the $1,500,000 there can be erected a building which will at least keep out the cold and the rain; and perhaps some other day Congress will open the purse strings a little bit further.

During the discussion of the Agricultural Department appropriation bill in the House of Representatives last week a whole lot of questions were asked about the Department and its various bureaus. Some of these questions were right to the point. The subject of tea culture was brought up and some of the Congressmen wanted to know a whole lot about the whys and the wherefores of many of the doings. Cotton, beet sugar, land surveys, soil analysis and many other things got tangled up in the arguments and, while there were a few bouquets thrown at the various bureaus, it was really unsafe to throw so many brick-bats at a department having so many "glass houses." They talked the time away until—the bill passed. Thus endeth the lesson till this time next year.

The Washington florists have been getting pretty good prices and the market does not seem to have been overstocked. There have been a number of musicales and dinners on hand recently and good stock has been scarce. Especially have single violets been difficult to get hold of, and it doesn't take very much of an American Beauty to bring $4.00 per dozen over the counter. There was a good call for carnations on January 29, and the favorite flower of the lamented President McKinley was very much in evidence here upon that day.

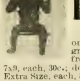
The familiar conservatories of the White House, which were torn down to make room for the Administration Office Building, are now located over on the Mall, and are well filled with plants, including some choice orchids.

The decorations for the Gridiron dinner last Saturday night were in the hands of Small. The arrangement for the ceiling was particularly attractive and quite a number of colored lights were used in the work.

A group of German scientists are coming to Washington in May next to learn something of the work of the Department of Agriculture, experiment stations, etc. Preparations are being made for their reception, and it is possible that they will visit a number of other points of interest in the country before returning to the Vaterland.

Blythedale, Md.

BLYTHEDALE, MD.—Frank W. Sempers, proprietor of the Blythedale Seed Laboratory, has been dangerously ill for some days past. As the testing of seeds was carried on under his personal supervision, all work has been discontinued.



Fern Balls

Finest long-leaved stock. Grown one year in Japan; starts them in growth four weeks sooner than fresh imported.

7x9, each, 30c.; dozen, $3.00; per 100, $24.00.
Extra Size, each, 50c.; dozen, $5.00; per 100, $40.00.

Beautiful Designs. Great Easter Sellers.

Monkeys, with china masks, in swing, carrying a drum, each, $1.00; dozen, $10.00. **Log Cabins,** $1.00; dozen, $10.00. **Fishes, Turtles,** each, 65c.; dozen, $7.00. **Crosses, Wreaths,** each, 40c.; dozen, $4.00.

JUST ARRIVED!

Pandanus Utilis Seed, $1.00 per 100; $8.00 per 1000.
Latania Borbonica, 40c. per 100; $2.50 per 1000.
Send for List of Caladiums, Gladioli, Cannas.

Address

H. H. BERGER & CO., 47 Barclay St., NEW YORK

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

YOUNG MAN, 18, experienced, wishes position with retail florist. Address Fred W. Keck, Woodhaven, N. Y.

SITUATION wanted by a young man of neat address, as salesman in either seed or florist store. Can speak German Address, giving particulars, F. D., care Florists' Exchange

YOUNG LADY, seven years' experience in selling and making up, wishes position in florist store in New York City or Brooklyn. Address F. B., care Florists' Exchange.

GARDENER, 28, German, married; 14 years' experience in every line of the business, wishes steady private place; best of references Address L. Hoffman, 103 Grand Street, Brooklyn, N. Y.

SITUATION wanted as working foreman or section man, by a practical grower of pot plants and cut flowers. German, age 34. Life experience, best of references given. Address F. C., care Florists' Exchange.

SITUATION wanted by first-class, all-around grower, as foreman or assistant on good place. Over 20 years' experience, commercial and private. Good references; address G. W., 94 Burnside St., Orange, N. J.

POSITION WANTED, as manager of a commercial, or head gardener on a private place, by thoroughly qualified, all-around man. Best of references from last employer. Scotchman, single. Address J. E. Whyte, Scarborough, N. Y.

HEAD GARDENER Position wanted on private place by thoroughly experienced Hollander, March 1 or before. Married, no family; A1 references. Only first-class place wanted. Please state salary. Address C., Great Barrington, Mass.

SITUATION wanted as head gardener on private place or institution, by competent, reliable landscape gardener and florist; 20 years' practical experience, greenhouse, lawn, trees, shrubbery, vegetables, etc. First-class references; age 35, married, no children. Address F. M., care Florists' Exchange.

WANTED, position as manager, decorator or designer in first-class florist establishment; long experience and best of references; competent in every respect and perfectly sober. Speak three languages, English, German and French. Good salesman. State terms. Address F. I., care Florists' Exchange.

FRENCHMAN, 27 ten years' experience, two years in this country, understands outdoor work, limited knowledge of greenhouses; am ambitious to become head gardener, and therefore seek position in large place where I can take part at all inside work; want to learn forcing roses, carnations, etc.; also peaches and grapes. Good references. Address P. Boury, Mount Airy, Philadelphia, Pa.

SITUATION wanted by German florist, married, age 40, as manager or working foreman in a large commercial place; life experience growing roses, carnations, violets, potted plants and general stock. A good salesman; 18 years' experience in this country and well known with the trade. Exceptionally sober, competent and reliable. Want to make change by February 15. Very best of references. State particulars and wages. Address Florist, Lock Box 11, Monticello, N. Y.

HELP WANTED

WANTED, a good all-around man for first-class New York retail store; must be of good address and have references. Apply F. F., care Florists' Exchange.

WANTED at once, good general greenhouse man; must be experienced in propagating and potting, sober and reliable. Address F. L., care Florists' Exchange.

WANTED at once, competent young man for store and greenhouses, must be thoroughly experienced in the care of plants. E. C. Thinnes, 245 DeKalb Ave., Brooklyn, N. Y.

WANTED, bookkeeper, stenographer and typewriter for nursery office, on or about March 1. State experience and salary wanted. Address Bloodgood Nurseries, Flushing, N. Y.

WANTED, an experienced man to go on the road for an American house importing Dutch bulbs. State experience and whether salary or commission. Address F. N., care Florists' Exchange.

$75.00 per month will be paid for a competent and successful propagator, especially of clematis, roses and soft wood shrubbery.

Also same wages to a man who has had long experience in grading nursery stock, filling orders and packing. Must be a No. 1 budder and grafter and with some experience in making soft wood shrub cuttings. Reasonable advance over these wages after ability is demonstrated. First-class commercial place.

Address F. G., care Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, working foreman on commercial place, hardy roses carnations and chrysanthemums German married man preferred Address or call Weigand Bros., Paterson and Nelson Aves., West Hoboken, N. J.

WANTED, by March, sober, experienced, practical landscape gardener, one who understands handling men; must be a worker Steady place for the right man. References required as to ability. State wages. Address W. G Eisele, West End, N. J.

WANTED AT ONCE, an all around florist, understanding propagating of bedding plants, carnations, violets and general stock, must be active and sober. Starting salary $25.00 per month, with room and board. Apply with references, K. D. L. Niven, Monticello, N. Y.

WANTED Good salesman for nursery stock; must understand the business and have a good record as salesman in this line. Will pay salary and expenses according to ability. Address Keene & Foulk, Bloodgood Nurseries, Flushing, N. Y.

WANTED, a man who is a competent grower of bedding plants, carnations and Easter stock. Must be active and steady. Please state wages or call on S. H. Powell, 11 and 13 Crescent street, Brooklyn, N. Y.

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WANTED, married man, with no family preferred, to assist growing violets and bedding plants. Must be willing, quick and sober. Wages $30.00 per month, house, coal and vegetables. Steady place. References required. Address Wm. Herzog, Morris Plains, N. J.

WANTED, a young or middle-aged man of first-class ability and correct habits, as foreman in commercial nursery. One who thoroughly understands general nursery work. American preferred. Address, stating wages and previous experience. C. B., care Florists' Exchange.

WANTED.

Stenographer, Typewriter and Assistant Bookkeeper.

Must be efficient and familiar with the seed, bulb and plant business. Female preferred. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

Packer and Shipping Clerk

Must have knowledge of Seed and Bulb business. Reply, with references,

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

SEEDSMAN

Experienced in this country and Europe. A good, permanent position for the right man who has tact and energy. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

BUSINESS OPPORTUNITIES

TO RENT or FOR SALE—Two violet houses, one 170 x 25; the other 100 x 14. Inquire Mrs. J. Mahon, Academy St., Poughkeepsie, N. Y.

FOR SALE, or to lease, six acres of fine land at Secaucus, N. J. Suitable for florist. Thirty minutes from ferries; cars pas sthe ground. Address William H. Huber, Secaucus, N. J.

FOR SALE, old established greenhouse business; 2 acres, 7 houses, gas and water privileges; dwelling, barn, sash; ten minutes by rail from 34th Street ferry, New York. Mrs. S. Hance, Shell Road, Winfield, L. I., N. Y.

FOR SALE, greenhouses, stock, and fixtures, invoiced $2,250.00. Good retail cut flower and funeral trade. Population 16,000. No competition. One of the oldest towns in Colorado Coal enough to run all Winter, trade increasing. $1,500 cash takes it if bought at once Good reasons for selling. Address F. A., care Florists' Exchange.

FLORIST BUSINESS FOR SALE Established over 30 years in the best location on Massachusetts Ave., North Cambridge, Mass Well stocked with plants, etc., doing a good business Selling on account of death of the owner. Apply to Mrs. W. A. Bock, 2388 Massachusetts Ave., North Cambridge, Mass.

FOR SALE, my greenhouse property, consisting of one greenhouse 150 x 23; 13 ft. high at ridge, running east and west, connecting shed 107 x 12 on brick walls 2 ft. deep in cellar; shed on west side of greenhouse. Stock grown carnations; room for two more houses same length as first with 8 ft. between each. Boiler, steam 3 ft. grate surface. The above stands on 1 1/2 acres of good sandy soil. Price $7,000 cash Reason for selling, poor health. Call and see property or write to H. Grout, 239 Pine Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

FOR SALE -Well paying florist establishment, at Grand View on Hudson, N. Y., greenhouses and residence, several acres of land, well stocked, hot water heating; everything in fine condition. Address E. H., care Florists' Exchange.

FOR SALE, a greenhouse plant of 4,000 square feet of glass, stocked with carnations and smilax, on a place of 24 acres; 10 in fruit. A good business and can easily be enlarged; near good markets. Address T. V. Peirson, Brockport, N. Y.

FOR SALE On easy terms, one of the best florist businesses in Northern New York; about 50,000 feet of glass, fine stock for wholesale and retail; 25,000 inhabitants and large surrounding territory; reason for selling, poor health. J. F. Greene, 110 Flower Ave. E., Watertown, N. Y.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred Parties who could run wholesale store would find it advantageous. Two or three might join; business is large enough. Terms easy. Address Mulford Jefferson Park, Chicago, Ill.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FLORIST BUSINESS, established 33 years, for sale cheap to quick buyer; stock, fixtures, good-will and lease; plate glass front; marble top counter; four living rooms and brick greenhouse; at trolley station, corner two avenues, three car lines, two blocks from "L" station; good trade; reason for selling, sickness and death; must be sold within ten days; price $750, worth $3,000; a snap for quick buyer. Address E. G., care Florists' Exchange.

MISCELLANEOUS WANTS

WANTED to rent, greenhouses in Massachusetts; near Boston preferred. Address F. H., care Florists' Exchange.

WANTED to lease or buy, from 10,000 to 20,000 feet of good glass for rose growing, near Philadelphia. Wm. A. Leonard, Model Farm Greenhouses, Philadelphia, Pa.

MISCELLANEOUS

FOR SALE—One hot water boiler, No. 5; Weathered; good as new; also one Furman No. 5 steam boiler, good condition; $50 each, f. o. b., Burlington, N. J. Apply Samuel Marks, Burlington, N. J.

FOR SALE.

A lot of fine, large Decorative Palms, Phœnix, Cocos, Latanias, etc., Rubbers, Pandanus, etc., etc. Am selling out Address

SEASIDE GREENHOUSES, Charleston, S.C.

Mention the Florists' Exchange when writing.

Bargains in Greenhouse Material

One Rider Hot Air Pump No. 8; used by the Government one year. If taken within one week, before we move it from where it now stands, $100.00.

One Hitchings No. 16 Boiler; price $50.00.

One Scollay No. 5 Boiler; price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6; price $1.65. Cypress, $1.75, painted.

500 second hand Hot Bed Sash, 6-in. glass, $1.00 each; $45.00 per 50; $85.00 per 100.

Glass 10 x 32, 10 x 12; new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box. 50 wooden wheelbarrows, freight paid, $1 25 each. Shovels, spades, axes, etc., $5.00 per doz. Will assort if wanted. Also second-hand plumbing tools.

Second-hand seasoned lumber at all times.

A limited job lot quantity of new 10-ply hose ¾-in ; price, while it lasts, 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money, send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1-in., 3¼c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., **New York**

Mention the Florists' Exchange when writing.

TO EXCHANGE

HARDY PHLOX, mixed colors, strong 2-year-old clumps. Good desirable varieties. Will exchange for pot plants or rooted cuttings, or will sell cheap for cash.

A few rooted cuttings of **CHRYSANTHEMUMS.** Write for list of varieties.

Henry H. Barrows & Son
Whitman, Mass,

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION

Now on press. Write for particulars

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

DAGGER FERNS

$1.00 per 1000.

GALAX Green and Bronze, $1.00 per 1000. In 5000 lots at reduced rates.

Cash with all orders Telephone, 3704 Main.

154 FULTON ST., BROOKLYN, N. Y.

Branch: C. Furtunes, 431 State St., New Haven, Conn.

Reference: Any Florist in Brooklyn.

Mention the Florists' Exchange when writing.

Colorado Spruce

Two beautiful trees for sale, each 15 feet in height. Perfect specimens in every particular.

MOUNT HOKNES CONSERVATORIES
Fishkill, N. Y.

Mention the Florists' Exchange when writing.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets,** $10.00 per 1000.

Madeira Roots and Gladioli, $1.00 per 100.

Tritoma Uvaria, strong field roots, $6.00 per 100.

Shrubs and Vines. Send for List.

CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS FINE HEALTHY ROOTED CUTTINGS

	Per 100	per 1000
MRS. T. W. LAWSON	$3 00	$25 00
HILL SPORT	2 00	17 50
G. H. CRANE	2 00	17 50
GOV ROOSEVELT	2 00	27 50
NORWAY	2 00	17 50
QUEEN LOUISE	2 00	
PROSPERITY	3 00	
MRS. BRADT	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing.

Carnations and Roses

Rooted Cuttings from Sand now Ready.

	Per 100
NORWAY	$2.00
LORNA	2.50
WM. SCOTT	1.50
THE MARQUIS	1.50
MORNING GLORY	1.50

If from soil add 25 per cent. to quotation.

ROSES

BRIDE, from 2½ in. pots	3 00
BRIDESMAID, from 2½ in. pots	3.00

A. L. THORNE, Flushing, L. I.

Mention the Florists' Exchange when writing.

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

	100		100
Alphonse Bouvier	$3.00	J. C. Cabos	$3.00
Austria	2.50	J. C. Vaughan	3.00
Chicago	3.00	John White	2.50
Comte de Bouchard	3.00	Mlle. Berat	3.00
Creole	2.50	Manda's Ideal	2.50
Chas. Henderson	2 50	Oriole	2.50
Dyon Jo Sisley	3.00	Pierson's Premium	3 00
Eldorado	3.00	Paul Bruant	2.50
Egandale	3 00	Paul Marquant	2 50
F. R. Pierson	3.00	Queen Charlotte	3.00
Florence Vaughan	3.00	Sec. Chabanne	3.00
Italia	2.50	Thos. S. Ware	2.50

ROSES.

Manetti Stocks—A few to spare at $12 per 1000.

CHRYSANTHEMUMS.

Varieties and Prices on Application.

☞ See our advt. on page 146 of this issue.

WOOD BROS., - Fishkill, N. Y.

Mention the Florists' Exchange when writing.

PHILADELPHIA WHOLESALE FLOWER MARKET

1228 CHERRY STREET, PHILADELPHIA

Consignments of CHOICE VIOLETS and NOVELTIES Wanted. We have a Choice Lot of DAFFODILS Fresh Daily.
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; VAIL SEED Co., Indianapolis; J. M. McCULLOUGH'S SONS, Cincinnati Ohio.

Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**

Mention the Florists' Exchange when writing.

Order Direct from Headquarters

A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green and Sphagnum Moss**, $1.00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

HENRY M. ROBINSON & CO.,
34-36 Court Square, Boston, Mass.

Mention the Florists' Exchange when writing.

Japan Bamboo Canes

The best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

Stumpp & Walter Co.
50 Barclay Street, New York
Branch Store 404 E. 34th St., N. Y.

Mention the Florists' Exchange when writing.

HIGH-GRADE AMERICAN BEAUTY

Cut Blooms.

Fresh from the greenhouses, carefully packed, and guaranteed to arrive in good condition. Market prices.

BRIARCLIFF GREENHOUSES, Scarboro, N.Y.

Mention the Florists' Exchange when writing

Galax and Leucothoe

We are situated in the heart of the finest section known for the above Evergreens.

Galax, Green and Bronze, 45c. per 1000.
Leucothoe Sprays, Green, $2.00 per 1000.

These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.

F W. RICHARDS & CO., Banners Elk, N. C.

Mention the Florists' Exchange when writing.

FANCY OR DAGGER FERNS

$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.

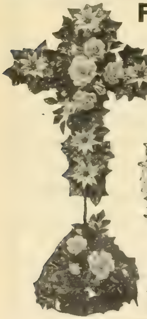
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

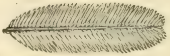
CROWL FERN CO.

MILLINGTON MASS.
Telegraph Office: NEW SALEM, MASS.

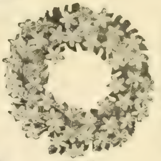
Mention the Florists' Exchange when writing

FACTORY OF METAL WREATHS





SAGO LEAF.



No. 37.

Round Daisy-Leaf Frame, 15 inches diameter, trimmed with purple, white or pink violets. Each, 75 cts.

METAL WREATHS From 15 cts. up to the latest designs, as Standing Crosses, Standing Wreaths, and in fact any design that can be made up on natural flowers, will be furnished in any color and style to suit your wishes, with white or green leaves, or any color flowers.

SAGO LEAVES Our own manufacture, the best preparation only and guaranteed a first class leaf. From 18 to 36 inches long, in lots of 50, $4.50, per 100, $8.00.

Ask for my Illustrated Catalogue "F" of Metal Goods or for my Illustrated Catalogue "F" of Decorative Plants.

FRANK NETSCHERT
34 Barclay St.
NEW YORK
187 S. Clark St.,
CHICAGO.

Mention the Florists' Exchange when writing.

AMERICAN BRAND FLORIST FOIL

THE STANDARD FOIL OF AMERICA.

PLAIN—EMBOSSED—VIOLET

...MADE BY...

The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST., CHICAGO.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

STRONG PLANTS.

$4 00 per 1000; $2.50 per 500; $1.00 per 100.

f. o. b. Express here. Cash with order.

CHR. SOLTAU, 199 Grant Ave., Jersey City, N, J.

Mention the Florists' Exchange when writing.

PANSIES

THE JENNINGS STRAIN.

Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

PANSIES Fine, large, transplanted plants from cold frame, Bugnot, Cassier and Odier prize strains, 50c. per 100; $3.00 per 1000. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100, $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100; $8.00 per 1000. Asparagus, from flats, ready for potting, Plumosus Nanus, $2.00 per 100; $18.00 per 1000. Sprengeri, $1.00 per 100; $7.00 per 1000. Cyclamen, from flats, $2.00 per 100; $15.00 per 1000; 2½ in. pots, $3 per 100, 3 in., $4 per 100. Terms, cash. **Hill Top Greenhouses**, 15-16 Gray Ave., **Utica, N. Y.**

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

SPECIAL

Verbena. Giant-rooted cuttings, 50 cts. per 100.

Petunia. Double Fine, 15 sorts, 2 in., $1.75 per 100. R. C., $1.00 per 100.

GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.

DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SWAINSONA ALBA, 2 in., 2 cts.

HARDY PINKS, 7 kinds, R. C., 75 cts. per 100. Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

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THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

ASPARAGUS SPRENGERI

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

ROOTED CUTTINGS

Send for List, Fine Stock.

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Rooted Cuttings

	100
Coleus, Crimson Verschaffelth, Golden Bedder, 15 others; no mealy bugs	$0 50
Weeping Lantanas	1 25
Fuchsias	1 50
Double Petunias	1 25
Marguerites, Paris Daisies	1 00
Feverfew, Little Gem	1 25
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60
Cannas, Standard Bedders	1 50

Vinca Variegata, 3-in. pots, $4.00 per 100

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.
(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

Pansy Plants

		Per 100.
Large Flowering	$2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants		2 00
Coleus, 20 var., 2 in. pots		2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and		3 00
Canna Roots, 10 var.		3 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

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XXX STOCK

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots, in bud and bloom, $6.00 per 100; from 4-in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S. A. Nutt, La Favorite, Jean Viaud, etc., well-grown plants from 2½-in. pots, $2.50 per 100; $22.50 per 1000.

CANNAS (dormant tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Papa Canna, Egandale, etc., $2 00 per100; $18.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

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Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C	1 25
STROBILANTHES DYERIANUS, R. C	$1 25 and 1 50
GAZANIA SPLENDENS, R. C.	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and **AUSTRALIS**, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONIA GALE, alba and rosea	1 25

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

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VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection	$2.00 per 100;	$15 00 per 1000
Strong pot plants	3.00 "	25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud .... $8.00 per 100

STRONG, HEALTHY CARNATIONS FIELD PLANTS

For prices and varieties see last week's Exchange.

MISCELLANEOUS.	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

WOOD BROS., Fishkill, N. Y.

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Wholesale Prices of Cut Flowers, New York, February 6, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	50.00 to 75.00
	" extra	30.00 to 40.00
	" No. 1	20.00 to 30.00
	" Culls & ordinary	3.00 to 12.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	10.00 to 12.00
	" extra	6.00 to 8.00
	" No. 1	5.00 to 6.00
	" No. 2	3.00 to 4.00
	Golden Gate	4.00 to 15.00
	Liberty	10.00 to 25.00
	Meteor	1.00 to 8.00
	ADIANTUM	.75 to 1.00
	" PETER CROWE	...... to 1.50
	ASPARAGUS	25.00 to 50.00
	CALLAS	10.00 to 12.00
	CATTLEYAS	40.00 to 60.00
	CYPRIPEDIUMS	10.00 to 12.50
	DENDROBIUM FORMOSUM	...... to 25.00
	DAISIES	1.00 to 2.00

Carnations	Inf'r grades, all colors		1.50 to 2.00
	STANDARD VARIETIES	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*FANCY— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	NOVELTIES		10.00 to 12.00
	LILIES		10.00 to 15.00
	LILY OF THE VALLEY		1.50 to 2.00
	NARCISSUS—Paper White		1.50 to 2.00
	" —Yellow		2.00 to 4.00
	MIGNONETTE—ordinary		4.00 to 5.00
	" fancy		10.00 to 15.00
	ROMAN HYACINTHS		1.50 to 2.00
	SMILAX		8.00 to 12.00
	SWEET PEAS		1.50 to 2.00
	TULIPS		2.00 to 3.00
	VIOLETS		.25 to .50
	" special		.50 to .75
	LILAC, per bunch		.75 to 1.00
	FREESIA, per bunch		.15 to .20

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LIBERTIES
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Boston.

News of the Week.

Plant trade, principally in tulips, hyacinths and Von Sion narcissus in pans, and azaleas, is fairly good, but the cut flower business is quiet. Dinners, receptions, weddings, etc., at which elaborate decorations are done, are very scarce indeed.

Welch Bros. are receiving some of the finest Bride and Bridemaid roses now coming into this market, from George B. Anderson, of Hyde Park.

George A. Sutherland reports that his salesman, Jack Doherty, now in Maine, finds the supply business very good in that section. He is sending in substantial orders.

Among the exhibits to be staged at the Brooklyn exhibition of the American Carnation Society by growers for the Boston Market will be: S. J. Goddard's The Queen, A. Roper's Fair Maid, S. J. Reuter's Lillian Pond and Peter Fisher's Governor Wolcott and Boston Market.

At Horticultural Hall on Saturday was shown what orchid specialists proclaim one of the most remarkable plants of its kind ever staged there, in a fine specimen Oncidium ungluiculatum, exhibited by George Melvin, gardener to Colonel Charles Pfaff, of South Framingham. The plant, in an 8-inch pan, had two spikes, each six feet in length, one bearing fifty-six and the other fifty-eight flowers, in perfect bloom. The committee awarded Mr. Melvin a silver medal for superior cultivation—a well merited prize.

F. J. NORTON.

Pittsburg.

Rose Night at the Club.

It was "rose night" at the February meeting of the Florists' Club, and among the blooms on exhibition some fine specimens were to be seen. The principal exhibitors were local members of the club, a few from other points, and several from the East, whose letters stated that they had sent on some stock, but it did not arrive at time of meeting, although several days on the road.

Fred Burki, from his place at Bakerstown, exhibited fine Bride and Bridesmaid, and the opinion of all the growers present was, that these two sorts were the best to grow from every standpoint. Queen of Edgely does not take a hold with our florists; very few favor it at all, and no one would think of substituting it for American Beauty. Liberty is finding more favor among the people, and will crowd out Meteor in time. A few Mme. Cusin were shown, but his rose does not sell any too well, although it is one that keeps remarkably when cut. The color of Helen Gould does not please, and Golden Gate is a poor grower in Winter and would hardly pay.

Ernst Asmus, of West Hoboken, N. J., sent some novelties from his European importations, showing the great superiority of American roses over those of European growers. There was not one among the lot of about a dozen varieties that any of our growers would touch. Mr. Asmus' descriptions of the roses were very amusing.

E. C. Ludwig showed some fine blooms sent by the Philadelphia Floral Exchange; G. & J. W. Ludwig exhibited roses and freesia grown by E. Fisher, of Castle Shannon. David Fraser, gardener to Henry C. Frick, showed plants of primulas, lily of the valley clumps well bloomed and a fine plant of Azalea mollis covered with flowers, also some cut blooms of cyclamen, cinerarias, Italian hyacinths and a few other sorts.

Excessive express rates and other troubles with express companies were discussed for a while and the matter is still in the hands of a committee which expects to give a report at the next meeting in March.

The carnation convention in Brooklyn will likely be attended by about ten of our florists. Those intending to go should notify T. P. Laughans so that all can travel together. The fare will be on the certificate plan, full fare going and one-third returning, making it a little over $14, ticket good for a week.

E. C. REINEMAN.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Feb. 4, 1903	Phil'delphia Feb. 3, 1903	Baltimore Jan. 26, 1903	Buffalo Feb. 2, 1903	Pittsburg Feb. 2, 1903
Roses	A. BEAUTY, fancy—special	..... to 60.00	...... to	...... to	75.00 to 100.00	...... to 75.00
	" extra	35.00 to 50.00	50.00 to 60.00	...... to	40.00 to 60.00	35.00 to 50.00
	" No. 1	20.00 to 35.00	40.00 to 45.00	30.00 to 40.00	...... to	16.00 to 25.00
	" Culls and Ordinary	8.00 to 12.50	20.00 to 30.00	10.00 to 25.00	...... to	6.00 to 12.00
	Queen of Edgely	...... to	20.00 to 60.00	...... to	..... to	...... to ......
	Bride, 'Maid, fancy—special	... .. to 25.00	...... to	..... to	15.00 to 20.00	...... to 15.00
	" extra	...... to 20.00	15.00 to 18 00	...... to	10.00 to 15.00	...... to 12.00
	" No. 1	12.50 to 16.00	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
	" No. 2	6.00 to 10.00	6.00 to 8.00	5.00 to 7.00	4.00 to 6.00	3.00 to 6.00
	Golden Gate	...... to	6.00 to 15.00	6.00 to 10.00	4.00 to 10.00	6.00 to 12.00
	K. A. Victoria	...... to	6.00 to 15.00	.... to	to	...... to ......
	Liberty	6.00 to 35.00	15.00 to 40.00	5.00 to 10.00	6.00 to 15.00	4.00 to 10.00
	Meteor	4.00 to 20.00	6.00 to 18.00	5.00 to 8.00	4.00 to 10 00	4.00 to 8.00
	Perle	...... to	6.00 to 15.00	4.00 to 6.00	6.00 to 8.00	6.00 to 12.00
	ORCHIDS—Cattleyas	...... to	..... to 60.00	..... to	...... to	...... to ......
	Cypripediums	...... to	..... to 15.00	...... to	...... to 15.00	...... to ......
Carnations	Inferior grades, all colors	...... to 2.50	..... to	1.25 to 1.75	1.00 to 1.25	..... to 1.00
	STANDARD VARIETIES White	...... to 3.00	1.50 to 2.00	2.00 to 3.50	2.00 to 3.00	2.00 to 3.00
	Pink	...... to 3.00	1.50 to 2.00	2.00 to 3 50	2.00 to 3.00	1.50 to 2.50
	Red	.... . to 3.00	1.50 to 2.00	2.00 to 3 50	2.00 to 3.00	1.50 to 2.00
	Yellow and var.	3.00 to 3.50	1.50 to 2.00	2.00 to 3.50	2.00 to 3.00	2.00 to 3.00
	*FANCY (*The highest grades of tandard var) White	..... to 4.00	4.00 to 6.00	...... to	4.00 to 5.00	...... to 4.00
	Pink	...... to 4.00	4.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
	Red	...... to 4.00	4.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
	Yellow and var.	..... to 4.00	4.00 to 6.00	...... to	4.00 to 5.00	...... to 4.00
	NOVELTIES	5.00 to 6.00	..... to	...... to	6.00 to 8.00	...... to ......
	ADIANTUM	. to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.25 to 1.50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 75.00	10.00 to 50.00	30.00 to 50.00
	CALLAS	8.00 to 12.50	..... to	8.00 to 12.00	10.00 to 12.50	6.00 to 12.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	to .....
	DAFFODILS	...... to	3.00 to 4.00	..... to	3.00 to 4.00	4.00 to 6.00
	DAISIES	...... to	1.50 to 2.00	...... to	..... to	1.00 to 2.00
	FREESIA	1.50 to 5.00	...... to	1.50 to 2.50	2.00 to 3.00	3.00 to 4.00
	GALAX LEAVES	...... to ...	...... to .10	...... to .10	.10 to .15	...... to ......
	HYACINTHS	1.50 to 2.00	3.00 to 4.00	2.00 to 3.00	3.00 to 8.00	2.00 to 4.00
	LILIES	8.00 to 12.50	...... to 25.00	...... to	12.50 to 15.00	12,00 to 15 00
	LILY OF THE VALLEY	2.00 to 4.00	4.00 to 6.00	...... to ...	3.00 to 4.00	3.00 to 4 00
	MIGNONETTE—Ordinary	...... to	...... to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
	" Fancy	...... to	..... to 5.00	... to	5.00 to 6.00	5.00 to 6.00
	NARCISSUS	2.00 to 4.00	3.00 to 4 00	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00
	SMILAX	18.00 to 20.00	...... to 15.00	10.00 to 25.00	..... to 15.00	10.00 to 12.00
	STEVIA	...... to	...... to	...... to	...... to	.... to ......
	SWEET PEAS	1.50 to 2.00	..... to	...... to	1.00 to 2.00	1.00 to 2.00
	TULIPS	3.00 to 4.00	...... to 4.00	.... . to	3.00 to 4.00	3.00 to 4.00
	VIOLETS	.50 to .75	1.00 to 1.50	.60 to 1.00	.50 to 1.00	.50 to 1.50

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Kalamazoo, Mich.

The Central Nursery Company is drawing plans for the erection of five more houses to be put up the coming Summer, a large violet house being included. The company has had remarkable success with violets this season. One house for American Beauty roses is also decided on, there always being a shortage of these. The company reports business as improving in most gratifying proportions.

Van Bochove and Brother also find it necessary to expand their already large establishment, and are planning to add five more houses to their plant this Summer. Their business has increased considerably, each year seeing additions go up, till now close upon 100,000 feet of glass are owned by them. Two gentlemen from Chicago are looking the ground over with a view of locating here, on Battle Creek. They had reached no decision at present writing.

S. B.

PITTSBURG CUT FLOWER CO. LTD.
Wholesale Florists
PITTSBURG, PA.

Buffalo.

A few minutes' look into C. F. Christensen's houses at Eggertsville, demonstrated that carnations have been cut freely this season. Space that has been given to Harrisii lilies, and even some carnations, too, will here directly be devoted to Spring bedding stock.

Arthur Beyer, of Palmer's staff, visited the metropolis last week.

S. S. Skidlesky, traveler, was here this week. He takes a rosy view of the coming conditions of the Brooklyn meeting, presaging it a "breaker of records" in more senses than one.

VIDI.

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GIVE US A TRIAL. WE CAN PLEASE YOU.

Butte, Mont.

The newly organized Montana Floral Society will hold a banquet at the Columbia gardens on March 7. At the last meeting a committee was appointed to draft a constitution and by-laws.

Canadian News

C. H. A. Executive Committee.

There will be a meeting of the above at Toronto on the morning of the 6th March (the exact time will be given later), at the establishment of John H. Dunlop, corner of Bloor St. and Lansdowne Ave., Toronto. It is to be hoped that every member of the committee will put forth extra efforts to be present, as there will be much very important business to discuss. The C. H. A., thanks to the energy of the Hamilton men last year, has now got the swing of success, and is recognized as the National Society of Florists and Allied Trades. It is, therefore, especially desirable that adequate arrangements be devised for not only keeping up the swing already attained, but to give it increased impetus. Bear in mind that on the success of the C. H. A. depends, to a great extent, the development and advancement of the trade in Canada.

The Toronto carnation show will be held on the 5th March, so that members of the committee will have the chance of viewing the latest introductions in that line as well as many of the older kinds as produced by other growers. There are rumors also of an additional inducement, but I will leave your Toronto correspondent to announce that.
A. H. EWING.

Montreal.

A New Trade Journal.

Number 1 of Volume I. of the Canadian Florist, to be published at Toronto on the first and fifteenth of each month, is to hand. It is apparently to be devoted exclusively to the trade. The item of most interest to our city is a paragraph in the editorial section, announcing that "The Quebec Government will give a grant to the Quebec Provincial Chrysanthemum Show providing the schedule embraces vegetables," and that "the show will be held in Montreal in the Fall." I notice the editor "imagines chrysanthemums and turnips on the same table." We are well aware that our Toronto friends consider our artistic taste not of a very high order of excellence. I have not the least idea under whose auspices the "Quebec Provincial Chrysanthemum Show" is to be held, but I am quite sure that the "Habitants" of the Province of Quebec have sufficient discernment to keep two such utterly incongruous subjects as "chrysanthemums and turnips" apart.

Club Notes.

The meeting Monday night was another success scored by the executive committee. The attendance was excellent, and a large number of new faces were seen.

The paper read by C. Craig, gardener to A. Joyce, Esq., Outremont, on Begonia Gloire de Lorraine was a treat. The success achieved by the writer of the paper in growing the subject treated on during the Winter, shows conclusively that he is quite familiar with the matter of cultivation. The older members of the Society were treated to a discussion by the new men, who, by the way, are all graduates of the big British nurseries, on the begonia as grown on the other side of the water. The opinion was unanimous that the poor success attending the cultivation of Begonia Gloire de Lorraine on this side was due to the fact that the plants' constitution had been enfeebled by over propagation before it was disseminated. This view was very favorably received, as it is noticed that the plants grow more freely each year. Mr. Craig said that in Britain it was considered a sign of health to see a tinge of yellow in the leaves.

The Chrysanthemum Show.

The advance sheets of the schedule were read and adopted with a couple of minor additions. The schedule contains 102 sections, about 30 of which are devoted to fruit and vegetables. The executive committee will this year guarantee the first prizes on the section calling for six specimen plants (chrysanthemums) and 24 specimen blooms, and the club will give the same guarantee for the group of 35 feet of space. A donation toward the prize fund was received from the Dale estate.

The Carnation Show.

To be held Monday, March 2, was reported on. Consignments of flowers from outside points intended for the exhibition should be addressed "Montreal Gardeners' and Florists' Club's Carnation Exhibition, care Joseph Bennett, 136 Peel street, Montreal." Arrangements have been made with the custom authorities to release without delay any flowers that arrive before closing time (1 p.m.) on Saturday, February 28. Shippers will please inclose an invoice with each consignment. The club will pay any custom charges there may happen to be.

Joseph Bennett has the most modern facilities for keeping the flowers, which will remain in his charge until taken to the exhibition hall.

An Unfair Competition.

The following resolution was handed in and adopted:

Resolved, That this club considers it very unjust on the part of the corporation of the city of Montreal to interfere with the florists' trade in furnishing floral decorations at political and private banquets.

That copies of the resolution be sent to the corporation of Montreal and to the press.

An Elaborate Progressive Euchre.

At an early date, probably the third Monday in February, the club will hold a progressive euchre party, to which the ladies are to be invited. A special hall will be rented for the occasion.

A committee was appointed to look for another club room.
E.

Hamilton, Ont.

Local News.

The weather man has given us two decided thaws during January. On the last occasion we had a showery Spring rain and thunder, a barn in the vicinity was struck by lightning and during that time and before it we notice that Winnipeg was being treated to 20 to 24 below zero. Well, they are better able to stand it out there, for they have coal mines not far off—Canadian mines that are not yet in the grip of monopolies. By the way, won't some Buffalo boys tell us why we have to pay $11 and $12 for hard coal while they get all they want for $6.25 a ton? Our coal dealers blame the grasping dealers of the Bison City.

The back of the coal famine seems about to break; there is talk on all sides of a weakening in prices and full supplies of coal.

Alf. Bailey has been having considerable trouble with burning soft coal. He heats by a combination of flues and hot water and thinks flues about the worst thing yet for using soft coal.

The city intends to open a street across Walter Holt's property; as it will cramp him for room for further building he is looking for suitable remuneration.

Ed Walker will in a few days move into the store just vacated by F. G. Foster & Son. This will give him more room than at his present stand.

Other News.

Number 1 of Volume I. of the Canadian Florist, published at Toronto, has been distributed to everyone in the trade in Canada. We understand that it is a sample copy to secure the feeling of the trade upon the subject. If it is to be ably edited and sufficiently backed it should receive the thoughtful attention of Canadians.

I see that the C. H. A. Executive is to meet on March 6, the day after the carnation show. It is a good idea to hold the meeting apart from counter attractions, and I hope it will be productive of lively and well-attended sessions and that arrangements will be made for a splendid convention. Special efforts should be made in view of the fact that Toronto is next Fall to turn the provincial exhibition into a Dominion one, and as the convention will likely be held during show time the reduced rates that will obtain from all parts will make a very large convention possible.

I forgot to mention that the prominence given to Violet Day here was largely due to the efforts of the Daughters of the Empire through the medium of the school children.

Gardeners and Florists' Club.

The regular club meeting was held on Tuesday 3d inst. There was a very good attendance though it consisted mostly of the younger members. Sickness prevented President Turner from attending and Vice President Townsend took the chair. Robert Potter read a paper on Pandanus Veitchii. The other business was rushed through in quick time and the rest of the evening was spent playing chess, checkers and pedro.

A special effort is to be made to have a full attendance at the next meeting, as there will be a discussion on prices and an effort will be made to put some plan in operation whereby higher and more uniform rates can be obtained. This effort should have the support of everyone eligible for membership in the club. As A. H. Ewing says, "organization is of the greatest importance," and it is time for local members of the craft to bury the hatchet and turn their attention to the doing of better business.
BEAVER.

Toronto.

A Carnation Show.

Arrangements are about completed for the carnation meeting which is to be held here on March 5. A great many producers of novelties have promised exhibits. All intending exhibitors should send their names to the secretary, E. H. Collins, Allen Gardens, Toronto, and they will be provided with instructions and addressed shipping tags for use, which will make the delivery in the city more certain and easier for all. G. H. Mills will be superintendent, and he will see that all exhibits are properly staged. The association has ordered 500 new vases for the show and has access to 1,000 more. The exhibition will be open free to the public on the evening of March 5.

The executive meeting of the C. H. A. will be held on the morning of March 6, and if satisfactory arrangements can be made, the annual dinner of the Gardeners and Florists' Association will take place in the evening. The new secretary of the association is getting right down to his work and will soon have that institution in good working order again. The coming convention is putting new life in our association, and, as we are likely to have a Dominion exhibition here this year, this will probably be a banner year in our history.
THOS. MANTON.

THE MARKET

OTTAWA.—The weather has been milder, but dark, therefore it does not help the shortage in flowers. Roses are very scarce with all, and it seems impossible to import them, even at the fancy prices. Carnations are good and in crop, still not in sufficient numbers owing to the scarcity of other flowers. Carnations are fetching $1.00 per dozen for the best.

Graham Bros., whose place I visited, have a house of violets that are fine and producing enough blooms to keep us all going. Trade has been very good. Bulbous stock is now coming in and will help the shortage. Daffodils are in demand. Roman hyacinths have been very poor with all growers here.

The coal question here remains at a standstill, so we have to hunt up from day to day for a supply of wood. Now the severe spell is gone, it is not quite so heartbreaking.

By notices received we are daily looking for the first issue of a "Canadian Florist."
E.

MONTREAL.—Trade has improved slightly this week owing largely to an increased demand for funeral work. Flowers, especially white ones, are as scarce as ever, and the quality is not of the best. Prices continue at the Christmas level.

The advent of the "Canadian Florist" and the announcement in its editorial column that a chrysanthemum show under the auspices of a hitherto unknown society will be held here in the Fall are the events of the week.
E.

TORONTO.—Business continues very good, with roses in short supply. Good white flowers have been scarce, the death of several prominent citizens having called for nearly all the white stock offered.

In several funeral designs lately I noticed how very useful were the bronze galax leaves, they are so effective and make the flowers go so much farther. Tulips, both single and double, are now coming in freely. Violets and carnations are fairly plentiful.

We have had a week of soft and generally dull weather, and I am pleased to say the coal situation is much easier; although a good many growers have had a very close run, they are all, I think, getting through somehow.
T. M.

Canadian Cut Flower Prices.

TORONTO, ONT.—American Beauty, No. 1, $30.00 to $40.00; culls and ordinary, $10.00 to $20.00. Bride and Bridesmaid, No. 1, $10.00 to $15.00, No. 2, $3.00 to $8.00. Mme. Cusin, $2.00 to $15.00; Meteor, $3.00 to $15.00; Mrs. Pierpont Morgan, $2.00 to $15.00; Perle des Jardins, $2.00 to $12.00, cattleyas, $25.00 to $35.00; cypripediums, $15.00 to $25.00. Carnations, inferior grades, all colors, $2.00; standard varieties, $2.00 to $4.00; fancy varieties, $4.00 to $6.00; adiantum, $1.00; asparagus, $20.00 to $75.00; callas, $6.00 to 10.00; daffodils, $2.00 to $4.00; daisies, 50c.; freesia, $2.00 to $4.00, galax leaves, 15c. to 20c.; Harrisii lilies, $10.00 to $12.00; lily of the valley, $2.00 to $4.00; mignonette, $1.50 to $4.00; narcissus, $2.00 to $4.00, tulips, $2.00 to $5.00; violets, 50c. to $2.00.

LONDON, ONT.—Bride and Bridesmaid $6.00 to $12.00; Golden Gate, $6.00 to $12.00. Carnations, inferior grades, all colors, $2.00; standard varieties, $3.00 to $4.00; hyacinths, $3.00; lily of the valley, $3.00; smilax, $15.00; tulips, $3.00; violets, $1.50.

The demand is brisk; supply short on everything; white very short. There is a constant call for high grade flowers for which the supply is wholly inadequate.
G.

MONTREAL.—American Beauty $50.00 to $75.00; Bride and Bridesmaid, $10.00 to $15.00; Golden Gate, $10.00 to $15.00; Liberty, $15.00; Meteor, $12.00 to $15.00; Mrs. Pierpont Morgan $10.00 to $15.00; Perle des Jardins, $8.00 to $12.00. Carnations white, pink and red standard varieties $3.00 to $5.00; asparagus, $50.00 to $75.00; callas, $10.00 to $12.00; daffodils, $3.00 to $4.00; freesia, $2.00 to $3.00; hyacinths $2.00 to $3.00; lily of the valley $3.00 to $4.00; mignonette, $3.00 to $5.00; narcissus, $3.00 to $4.00; smilax, $25.00; tulips, $3.00 to $4.00; violets, $1.00 to $2.00.
B.

THE PIERSON FERN
[illegible]
WEBSTER BROS., Plantsmen,
Hamilton, Canada.
Mention the Florists' Exchange when writing

TO LET
or
FOR SALE

Greenhouses now operated by C. CAMPBELL at Rockfield, near Montreal, Three Rose Houses, 110x20; Two Carnation Houses, 150x18; Violet House, Propagating House, and Four other Plant Houses, with Dwelling and Out Houses. Greenhouses well stocked, which, with other requisites, can be bought at valuation.

C. CAMPBELL, Montreal, Canada
2312 St. Catherine Street.
Mention the Florists' Exchange when writing.

10,000--10,000
Palms
Latania Borbonica
3 to 4 Leaves,
$3.00 per 100; $25.00 per 1000
J. GAMMAGE & SONS
LONDON, ONT.
Mention the Florists' Exchange when writing

New York.

The Week's News.

The Fifth avenue retail stores never looked better than they have done this week. The abundance of orchids and other choice flowers seen in the windows on this avenue are marvelous, and while they all go to make a grand display they also give evidence that there is not much business doing.

Albert Wadley, of Wadley & Smythe, has so far recovered from his injury in the railroad wreck a year ago that he has been able to visit the store once or twice, and his complete recovery is looked for.

Alex. McConnell recently executed a decoration for a bridge whist party that was the occasion of much complimentary comment. The principal feature of the decoration was an immense bridge (suggestive of the game) composed entirely of lily of the valley, and reaching over the table used.

W. C. Krick, Broadway, Brooklyn, is furnishing his customers with some Roman hyacinths of a delicate blue shade of color which is artificial, but seems to take well.

Thos. Young, Jr., will open another retail store, to be located at 503 Fifth avenue.

At the funeral of Hon. Patrick Divver, a downtown politician, which occurred on Saturday last, there was an unusual display of large floral designs. The Bowery florists say that never before were so many flowers seen at a funeral in that district.

Siebrecht & Sons, 409 Fifth avenue, were defendants in a suit brought by Elbridge T. Gerry, owner of the Windsor Terrace, where their store and conservatory are located. The defendants claimed that owing to the premises not being ready for occupancy in time and that icicles had fallen and broken glass in the conservatory the sum of $1,100 for rent was excessive, but Judge Fitzsimmons, of the City Court, could not see it that way and granted a verdict in favor of the plaintiff for the full amount.

John J. Perkins has bought the wholesale business of Purdy Brothers, at 48 West Thirtieth street, and will operate the same in addition to his present store at 115 West Thirtieth street. The deal was made on Wednesday, and Mr. Perkins took possession Thursday morning, putting his son in charge of the new branch. We understand that Purdy Brothers have retired from the flower business entirely.

The Siegel-Cooper department store has decided to run its own plant department, hence Louis Schmutz has not been furnishing plants for that firm since the first of the month. C. W. Herman, a former employee of Mr. Schmutz, has been retained as buyer for the Siegel-Cooper Company.

The venerable Samuel B. Parsons, nurseryman, of Flushing, N. Y., met with a severe accident on Thursday of last week. Mr. Parsons, who is in his 85th year, is at present making his home with Mrs. Hopkins, on Jamaica avenue, had left his room, which is on the second floor of the house, and was about to go down stairs when he slipped and fell the full length of the stairs. He was rendered unconscious by the fall. A physician was called in and Mr. Parsons regained consciousness in a short time, and luckily escaped serious injury.

Henry A. Molatsch, whose greenhouses are located at Bay Ridge, Brooklyn, is contemplating starting another establishment in or near Chatham, N. J. The Bay Ridge property is becoming more valuable each year, owing to the demand for building lots, and it is thought that if sold for such purposes Mr. Molatsch will get better returns than would be possible from the growing of plants and flowers.

Signs of Spring are here, though these are not the proverbial swallows, but the bulb drummers from Holland. The steamer Amsterdam, two days overdue, landed last Saturday, having on board J. H. Bockman, of the firm of Zyp & Co., and H. Vlasveld, of G. Vlasveld & Sons, Sassenheim, Holland.

Chiers & Boddington Company report a very heavy demand for flower seeds, etc. This firm recently sold a large importation of Central American orchids to S. Butterworth, South Framingham, Mass. The latter gentleman is an orchid enthusiast, and is rapidly accumulating a very extensive collection suitable for florists' purposes.

On the morning of January 31 the flower store of Charles Klingelbeck, Middle Village, L. I., was burned down. The fire originated through too much draught on the furnace and the damage done is estimated at $500.

Flower thieves are still at work on Long Island and greenhouse owners will do well to keep a strict watch over their premises. The establishment of J. J. Bechamps, State street, Flushing, was visited by flower thieves on Thursday night, January 29, and his entire stock of carnation flowers was stolen. The thieves gained entrance to the greenhouse by removing several panes of glass; and, in addition to making off with the flowers, did a lot of damage to the growing plants. Mr. Bechamps estimates his loss at one hundred dollars.

The greenhouses of Henry Hession, Clarkson street, Brooklyn, were entered by thieves on Sunday night last, and about $150 worth of carnations stolen. The thieves gained an entrance by breaking the glass.

On Monday night the greenhouses of C. Pesenecker & Son, Audubon avenue, Jersey City, were also entered by thieves and the mode of entrance was similar. All the carnations, flowers and buds were taken from the plants.

The February meeting of the New York Florists' Club will occur on Monday evening, the 9th, in the club rooms, 128 East 28th street. An interesting gathering is promised.

The Brooklyn Horticultural Society held a very enthusiastic meeting on Monday evening last in the Germania Club house, President C. W. Ward in the chair. Over forty members were present, and the arrangements for entertaining the American Carnation Society in Brooklyn are now about completed. Another meeting of the Society will be held on the 16th inst., two days before the Carnation Society convenes.

The entertainment fund is increasing satisfactorily. Ex-Lieutenant Governor Woodruff has consented to officiate as toastmaster at the banquet, and Park Commissioner Young will be among the speakers.

The notice of a bowling tournament at Flatbush was premature.

Richard B. Gee is again in charge of the books at Hicks & Crawbuck's wholesale commission house in Brooklyn.

The annual dinner of the New Jersey Floricultural Society was held in the Society's rooms, Orange, N. J., on Wednesday. About thirty-five members and friends enjoyed the spread and a very enjoyable evening was spent.

W. H. Elliott, Brighton, Mass., and Arthur Cowee, Berlin, N. Y., were visitors this week.

Philadelphia.

Florists' Club and Express Rates.

The discussion of excessive express rates brought out a large attendance at the meeting on Tuesday evening last. The resolutions adopted were a reproduction of those adopted at Boston (see page 96, Florists' Exchange of January 24), and the committee instructed to confer with the express companies to ascertain what concessions could be obtained. Mr. Elliott, of Boston, was present and he made a very pleasing and able address, setting forth what had been done in that city, and adding that the agents there had agreed to present a petition to their superior officers recommending a restoration of the old rate on cut flowers between grower and dealer, and between dealers. The speaker suggested that this would be the proper line for our club to proceed on: First, see the highest officer of the companies in your city—the higher this official is the better treatment you will get. Approach him in a friendly spirit and lay your complaints before him in a clear, but firm manner, and you will get consideration. He did not think it always advisable to present such resolutions as were passed.

A long discussion took place on the subject, various growers and dealers giving their experience in express matters as to damages, delays and such like.

John Burton said that in his opinion resolutions did not count with the express companies, but they no doubt did good by being published in the trade papers, as it stirred up the trade in all parts of the country, thereby causing concerted action. Any concessions secured from the companies would only be obtained by careful diplomacy, approaching them in a quiet business manner. We must also consider that the damages sustained in shipping cut flowers are not always the result of the fault of the express company; very often damage is caused by bad packing, etc.

W. K. Harris stated he had been informed that at the same time as rates on cut flowers were increased rates on milliners' supplies, such as dried flowers, feathers, etc., were advanced; but the rates on these goods had already been restored to the former figures.

All the retailers present stated that they had no complaint to make as to increased rates. What the retailer wanted was double rates, if such would guarantee to them a special service, such as the post office gives on special delivery letters.

Therefore, as the subject now stands, the case has two aspects: a restoration of the old rate for grower and dealer, and a special rate for the retailer for special service guaranteed.

The committee met C. G. Rust, general agent of the United States Express Company, on Thursday, and laid their protest before him. He treated the committee most cordially, and said the reason given for the increase was that the company concluded that it was carrying out flowers at a loss, on account of the special care necessary, and the many claims for damages on account of delays, etc. He stated that the matter of a special rate for the retail florist had been previously taken up, but the company could not see how such service could be given. He consented to take up the subject of restoration of the old rate, as relating to grower and dealer, and would write his superior officers on this matter.

The committee will not be able to meet the general manager of the Adams Express Company for this district for a few days, as he is absent just now from his office. An appointment will be made immediately on his return.

DAVID RUST.

Chicago.

The Week's News.

The heaviest snow storm of the season is with us, and it is still snowing. It is hard to predict what will be the consequences to the trade if a severe cold snap should follow in the wake of the storm, as there are quite a number who have a very limited supply of coal.

At the Florists' Club meeting on Wednesday night, February 4, E. C. Amling, F. F. Benthey and E. F. Winterson were appointed a committee to use the club's influence in the matter of express rates.

On account of not being able to secure a hall large enough for the carnation display for "carnation night," the meeting will now be held on Tuesday, February 10, on the sixth floor of Handel Hall. The following premiums will be competed for: $10.00 for the best vase of 50 blooms, any variety; $5.00 for the best vase of 25 blooms, any variety; $5.00 for the best general display. A large exhibition and attendance are anticipated. Those desiring to exhibit should notify the committee, and exhibits should be sent in care of any member of the committee, who will see to the proper staging of the flowers.

Arrangements have been made with the Lake Shore and Michigan Southern Railroad whereby the florists have been granted a one-and-one-third fare from Chicago, on the certificate plan, to the Carnation Society meeting at Brooklyn. Round trip from here will cost $26.70. Tickets are good leaving Chicago on the following days: February 16, 17 and 18, and returning not later than February 24. The florists from this locality propose to leave February 17 at 2 p. m., arriving in New York February 18 at 6 p. m. All those intending to make the trip should communicate with Mr. L. F. Vosburgh, of the Lake Shore and Michigan Southern Railroad, so that necessary sleeping car reservations may be made. Those from the West and Northwest who contemplate attending the convention should also communicate with Mr. Vosburgh. It is to be hoped they will join the Chicago contingent; delegates from St. Louis, Indianapolis, Cincinnati, Louisville, and other Southern cities will be able to connect with the Chicago party at different points along the route. The equipment comprises buffet, library, smoker, sleeping car, and dining car.

A party composed of J. Pollworth, W. A. Kennedy, P. J. Foley, W. J. Johnstone, L. Coatesworth and your scribe visited Joliet recently, and took in the places of the Chicago Carnation Co. and the J. D. Thompson Carnation Co. Everything was found in first-class condition. Manager Hartshorne, of the Chicago Carnation Co., states that the trade in rooted cuttings is far ahead of that of any previous year, and that the concern's shipping business in cut flowers is in excess of anything ever before experienced.

The J. D. Thompson Carnation Co have up to the present time shipped over 150,000 rooted cuttings of Enchantress, and find they are giving entire satisfaction to the buyers. That firm's shipping trade in cut blooms is also on the increase. The company contemplates the erection of five new houses in the Spring, to be devoted to the fine varieties of carnations.

The nursery business of the late P. S Peterson will be continued as Peterson Nursery, Wm. A. Peterson, proprietor

ROBERT JOHNSTONE.

Bowling.

FLATBUSH, N. Y.—Quite a numbe of visitors called at the alleys of th Flatbush Club on Thursday evening and participated in the bowling. Th following are some of the scores tha resulted:

D. Y. Mellis		17
P. Riley	167	16
T. J. Lang	178	16
A. H. Langjahr	112	10
P. Dailledouze	147	15
E. Dailledouze	119	12
F. H. Traendly		9
C. Lechner		8
W. J. Stewart		7
C. Wocker	125	10
J. Thielmann	147	16
R. Irwin	196	13
H. Dailledouze	122	13
A. Zeller	141	12
S. S. Butterfield	106	11

Wednesday night on the Boylesto alleys the following scores were mad at candle pins. In the absence of Nich olson, Gilson captained his team:

CHARNOCK'S TEAM.

	1.	2.	3.	Totals
Harrigan	84	99	96	27
Charnock	91	90	67	24
Barrett	76	72	76	22
Keefe	45	69	84	19
Norton	86	62	77	22
	382	392	400	1,17

GILSON'S TEAM.

	1.	2.	3.	Totals
Gilson	77	94	81	25
Twombly	82	73	88	24
Robrts	49	63	83	19
Brady	58	69	63	19
Edgar	66	87	74	22
	332	386	389	1,10

Charnock's team won three straigh strings, and won the total by sixty seven pins.

F. J. N.

Tobacco Stems — THE GOOD STRONG KIND BALES WEIGH 500 LBS. — 60c. per cwt. On Cars N. Y. City.

Tobacco Powder — THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. — 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.

Tobacco Powder — THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. — 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.

Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it; write Dept. B.

THE H. A. STOOTHOFF COMPANY
TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

Cleveland.

Among Growers.

A visit to the establishment of S. N. Pentecost in the east end found everything in good shape, especially his carnations, which have done very well so far and give prospects of continued cuts of good flowers. This gentleman reports trade this season as being the best on record, and, taken as a whole, the most promising season since he has been in business.

A neighboring firm, D. Charlesworth & Son, are doing a nice business, mostly in the plant line. This firm has, besides a good retail trade, the contract for all the planting in the Monumental Park.

Following in the steps of the florists of Cleveland the market gardeners and producers have taken steps toward organizing an association, and a meeting has been called for Saturday morning, February 7. The committee consists of Messrs. T. W. James, M. L. Rutenik, C. B. Hinkley, H. J. Pease and G. A. Tilton, chairman. No doubt an organization of this sort will prove beneficial to the market gardeners.

George Schuman, foreman at "The Essex Greenhouses," will resign from his position about the 15th inst. George is talking about going back to Chicago, but has not as yet made up his mind. We wish he could stay with us, as we shall miss him, especially on the alleys, where his scores have always averaged high.

Robert C. Whitehill and Harry A. Bunyard were visitors this week and spent an evening at the club Monday night. They report things as "booming" all along the line.

Charlie Gibson, at the Union passenger station, sprang a pleasant surprise on the boys Monday night by giving each one a large map of the United States showing all the principal railroad routes and cities, which will be a handy article for the average florist. Anyone who did not receive a map can do so by asking Mr. Gibson.

Leonard E. Loomis, formerly with Storrs & Harrison Company in the greenhouse department, has accepted a position with James Eddy.

McKinley Day here created such a demand for carnations that everyone was sold out early in the forenoon and as a result carnations have been very scarce since. Why could we not have a day of this sort about two months later?

A. Graham, Jr., is up and around again, having almost entirely recovered from his sickness. G. W. S.

Grand Rapids.

ews of the Week.

Efforts are making to galvanize the slumbering florists' club into life again, a meeting with that end in view being called at Henry Smith's for Wednesday night.

A petition is being circulated for signatures, remonstrating against the excessive express rates.

The glass question is also claiming a share of our attention, with a strong possibility that if the florists of the country take prompt hold and each city does its share the tax of $1.37 per box may be removed. George F. Crabb had an interview with our local representative in Congress, Hon. Wm. Alden Smith, in which that gentleman said: "I am personally favorable to removing the tax on glass, and will do what I can to remove it." He holds out little hopes of anything being accomplished at this present short session; but send in your petitions and they will be presented, and at the next session something will likely be done. We feel confident that with Hon. Wm. Alden Smith as our champion, coupled with the fact that he is certain to be on the tariff revision committee next session, or rather the committee having that matter in charge, we shall win.

It looks as if no one from here will attend the Carnation Society meeting at Brooklyn, N. Y., no one having positively declared himself. All are too busy to take the necessary time to go that far this year. We have strong hopes of getting a chance to attend Detroit in 1904. G. F. CRABB.

Detroit, Mich.

The Detroit Florists' Club held a carnation and rose meeting on February 4 at Harmonie Hall. Full particulars of the exhibits will be given in our next report. DILGER.

Cincinnati.

News of the Week.

McKinley Day soon cleaned the market of carnations, and added one more holiday during the year for the florists of the United States to look forward to and prepare for.

Saturday afternoon, February 14, the Cincinnati Florists' Society will hold its rose meeting. The following prizes are offered:

For 12 blooms American Beauty roses, $10.00, $6.00 and $4.00; for 25 blooms Bride, Bridesmaid, Meteor, Perle des Jardins, Golden Gate and Liberty, $4.00, $3.00 and $2.00, respectively. For best display of violets, $6.00, $4.00 and $3.00; best general display, $10.00. The S. A. F. medal will be given for any new plant or flower of American origin.

We should like to have some of our rose growers make exhibits. The prizes are well worth competing for.

White Dutch hyacinths have made their appearance and sell at 6c. Von Sion narcissus, in limited quantities, are in and bring 5c.

E. G. GILLETT.

St. Louis.

J. Horace McFarland, the horticultural printer and horticulturist of Harrisburg, Pa., lectured before the St. Louis Branch of the Civic Improvement League Tuesday, January 27, at the Mercantile Club.

Jas W. Begbie, representing Clucas & Boddington Company, New York, and Chas. F. Meyer, of the same city, were callers on the trade recently.

Among Growers.

On a recent visit to Young & Sons Company's establishment what impressed me most favorably were the beautiful orchids; they were the largest flowered of any I have seen.

Two large houses were filled with many thousand cuttings in sand and little plants in thumb pots. Much of this stock was no doubt for mail orders, of which this firm enjoys a large trade.

Poinsettias were arrayed in their most vivid shade of color. Several thousand Easter lillies, from three to five inches high, looked healthv and strong. Spiræas, in six-inch pots, on an adjoining bench, were not yet starting up. A few beautiful Begonia Gloire de Lorraine were the prettiest pink things in sight, unless it be several fine plants of Azalea Simon Mardner. Plenty of good Asparagus Sprengeri, and plumosus and smilax were around, and here and there were small groups of Roman hyacinths, of narcissus and Dutch hyacinths.

The palm house is well stocked and presents a most inviting appearance. It's a great convenience to customers to see every palm labeled with the selling price, as is done here. There were plenty of fine ferns, and all the other miscellaneous lot of goods which the Youngs grow. F. W. M.

CATALOGUES RECEIVED

T. W. WOOD & SON, Richmond, Va.—Descriptive Catalogue of Flower, Field and Garden Seeds. Illustrated.

NATHAN SMITH & SON, Adrian, Mich. Descriptive Trade List of Chrysanthemums and Other Plants including a valuable list of novelties.

F. G. PRATT, Concord, Mass.—Trade List of Nursery Stock Herbaceous Plants, Bog Plants, etc.

CHICAGO CARNATION COMPANY, Joliet, Ill.—Price List of Fancy Carnations. Beautifully illustrated.

WEEBER & DON, New York - Spring Catalogue of Vegetable, Flower and Agricultural Seeds, Bulbs, Plants, Tools and Horticultural Supplies, with a comprehensive list of novelties and specialties. Illustrated.

THOMAS MEEHAN & SONS, Germantown, Philadelphia, Pa.—Illustrated Catalogue of Hardy Trees and Plants. A very valuable catalogue, beautifully illustrated.

F. B. MILLS, Rose Hill, N. Y. Catalogue of Flower and Vegetable Seeds, etc.

BENJAMIN HAMMOND Fishkill-on-Hudson, N. Y.—Price List of Slug Shot and Other Insecticides, Fungicides, etc.

SCHLEGEL & FOTTLER CO., Boston, Mass.—Illustrated Catalogue of Seeds, Bulbs, and Plants, with a List of Specialties.

J. M. McCULLOUGH'S SONS, Cincinnati, O.—Seed and Plant Catalogue, Supplies, etc.

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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Jan. 27, '03	St. Louis Feb. 3, '03	Cincinnati Feb. 3, '03	Milwaukee Feb. 2, '03	Detroit Feb. 3, '03
	A. BEAUTY, fancy—special	40.00 to 45.00	30.00 to 50.00	...... to 50.00	35.00 to 50.00	..... to 50.00
Roses	" extra	35.00 to 40.00	15.00 to 25.00	...... to 40.00	20.00 to 25.00	...... to 40.00
	" No. 1	25.00 to 30.00	8.00 to 12.50	16.00 to 25.00	12.50 to 15.00	..... to 25.00
	" Culls and Ordinary	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 8.00	...... to 10.00
	Queen of Edgely	..... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	12.00 to 15.00	...... to 10.00	10.00 to 12.00	...... to 12.00	..... to 12.00
	" extra	10.00 to 12.00	...... to 8.00	8.00 to 10.00	...... to 8.00	...... to 10.00
	" No. 1	6.00 to 10.00	...... to 6.00	4.00 to 6.00	...... to 6.00	..... to 8.00
	" No. 2	4.00 to 8.00	...... to 5.00	..... to 4.00	...... to 4.00	...... to 6.00
	Golden Gate	4.00 to 12.00	6.00 to 10.00	4.00 to 10.00	8.00 to 12.00	6.00 to 10.00
	K. A. Victoria	...... to	5.00 to 10.00	...... to	6.00 to 8.00	...... to . ....
	Liberty	6.00 to 25.00	...... to	4.00 to 15.00	8.00 to 15.00	..... to ......
	Meteor	4.00 to 10.00	5.00 to 8.00	4.00 to 6.00	6.00 to 8.00	6.00 to 12.00
	Perle	...... to	4.00 to 8.00	...... to 4.00	4.00 to 8.00	6.00 to 10.00
	ORCHIDS—Cattleyas	...... to 45.00	..... to	...... to 60.00	...... to	. .... to 50.00
	Cypripediums	...... to	..... to	..... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.00 to 2.50	1.50 to 2.00	..... to 1.50	...... to	...... to ......
	STANDARD VARIETIES White	2.50 to 3.00	2.50 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00
	STANDARD VARIETIES Pink	1.50 to 3.00	2.50 to 3.00	2.00 to 3.00	...... to 2.00	...... to ......
	STANDARD VARIETIES Red	1.00 to 2.50	2.50 to 3.00	2.00 to 3.00	..... to 2.00	...... to ......
	STANDARD VARIETIES Yellow and Var,	1.50 to 3.00	2.50 to 3.00	...... to 2.00	.... to 2.00	...... to ......
	*FANCY— (*The highest grades of standard var) White	3.50 to 4.00	4.00 to 5.00	...... to 4.00	3.00 to 4.00	3.00 to 5.00
	*FANCY— Pink	2.50 to 4.00	4.00 to 5.00	..... to 4.00	3.00 to 4.00	..... to ......
	*FANCY— Red	3.50 to 4.00	4.00 to 5.00	..... to 4.00	3.00 to 4.00	...... to ......
	*FANCY— Yellow and Var.	3.00 to 4.00	4.00 to 5.00	..... to 4.00	3.00 to 4.00	...... to ......
	NOVELTIES	6.00 to 8.00	..... to	.... to	..... to	...... to .....
	ADIANTUM	.50 to .75	..... to	..... to 1.50	...... to	...... to 1.50
	ASPARAGUS	15.00 to 50.00	10.00 to 20.00	30.00 to 50.00	20.00 to 40.00	10.00 to 75.00
	CALLAS	12.50 to 15.00	12.50 to 15.00	12.00 to 15.00	10.00 to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS	...... to	..... to	...... to	...... to	...... to ......
	DAFFODILS	..... to	..... to	..... to 5.00	4.00 to 6.00	...... to ......
	DAISIES	...... to	..... to	...... to	...... to .75	...... to ......
	FREESIA	3.00 to 4.00	2.00 to 3.00	...... to	2.00 to 3.00	4.00 to 5.00
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	...... to	...... to .10
	HYACINTHS	2.00 to 3.50	2.50 to 3.00	4.00 to 6.00	...... to	..... to .....
	LILIES	12.50 to 15.00	...... to	...... to 20.00	...... to	14.00 to 16.00
	LILY OF THE VALLEY	2.00 to 4.00	...... to 3.00	...... to 4.00	...... to 5.00	4.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	..... to	...... to	...... to	...... to 4.00
	" Fancy	6.00 to 8.00	...... to 5.00	...... to	...... to	...... to 5.00
	NARCISSUS	2.00 to 3.00	3.00 to 4.00	..... to 3.00	...... to	...... to ......
	SMILAX	10.00 to 12.00	12.50 to 15.00	12.50 to 15.00	..... to 18.00	10.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to .....
	SWEET PEAS	.... to 1.50	...... to	...... to	...... to 1.00	...... to .75
	TULIPS	3.00 to 5.00	...... to	...... to 4.00	.... to	...... to ......
	VIOLETS	1.00 to 2.00	.35 to .75	.50 to 1.00	.50 to .75	.75 to 1.00

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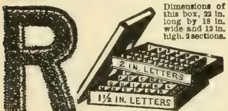

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10,000, $1.50; 50,000, $6.25.
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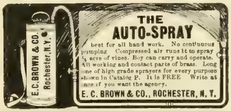
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above all others is the one who needs to spray. Good, smooth, even sized, disease free, salable apples are now an impossibility without spraying. For the apple man's use nothing quite equals our
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Providence, R. I.

News Notes.

Nichols, of Barrington, had a house of Wild Rose frozen this Winter; but the plants are now coming out of their lethargy and producing half-blown, short stem flowers, which are useful for design.

The local florists report a slightly increased trade for Carnation Day, and feel that next year will find a decided recognition of that day.

Appleton reports a good season thus far. He finds an able assistant in his oldest son.

Clark, of Tockwotton street, also has a gratifying increase of business.

Schuyler & Gay, of Pawtucket, are two of the younger men in our trade who are endeavoring to build up a call for flowers in the suburban neighborhood.

James Crawshaw has matured plans for branching out at an early date.

O'Connor has added new drop curtains to his show window.

No change in business conditions since last week. Flowers are in active demand and short crop.

C. S. MACNAIR.

Indianapolis, Ind.

Jottings.

Frank Harriett is cutting a nice lot of callas. His pink seedling carnation is in fine shape, and good results are expected from it.

E. J. Bertermann is at home nursing a vaccinated arm.

Henry Rieman was unable to take care of all his business last week because of a scarcity of stock, and turned some of his trade over to his brother florists.

The market has been quiet, few of the florists having any surplus to take there.

John Bertermann invited several of the florists, including E. G. Hill, Fred Dorner, Jr., Henry Rieman, A. Baur, J. Hartje, and H. Junge, to take dinner with him Tuesday, February 3. The same gentlemen were also appointed a committee by the directors of the coming chrysanthemum show, to prepare a premium list and discuss other matters pertaining to the exhibition.

I. B.

ELMIRA, N. Y.—There is nothing new or startling from Elmira. The coal question is not so bad here. Business could be a little better. Robert M. Leavitt keeps quite busy with funeral work. G. P. Rawson is certainly not behind the band wagon. H. N. Hoffman contemplates a visit to the carnation show in Brooklyn. Fred La-France is quite busy among his carnations.

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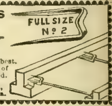

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USE IT NOW.
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USE
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Clean and harmless as Fumigant or Spray. Ask your seedsman for it or write to
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3 ft. x 6 ft. - -	3 rows	10-inch	glass
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Clear Cypress, 1¾ inch thick, without paint or glass.

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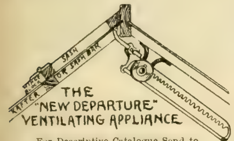
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Cromwell, Conn.

The indications now are that Connecticut will be well represented at the Brooklyn meeting of the American Carnation Society. Leading florists everywhere throughout the State, so far as heard from, express their intention to be present. A. N. Pierson, his son, W. R. Pierson, and W. A. Dawson, of Cromwell, expect to be there.

The suggestion of The Florists' Exchange to bring a pressure to bear on the express companies that will touch their receipts is the best I have seen yet. Nothing else will have any weight. They seem perfectly indifferent to all appeals of justice. While no concerted action has yet been taken by the florists of Connecticut, many individual protests have been made against the recent advance in rates, but of course, without effect. The reply from those in authority has been the same; that cut flowers were among the most troublesome goods the companies were called upon to handle, as they required protection from both heat and cold, and involved subsequent trouble, in claims for damages, when not delivered on time, or in good condition. Anyone who has ever attempted to recover anything from an express company for damages caused by the neglect of one of its agents knows how little there is to this last claim. If something in the way of retaliation can be brought to bear, by which the companies can be made to see that they are in danger of sustaining a loss in traffic and receipts, they will no doubt come to terms. Theodore Wirth, Vice-President of the Society of American Florists, is making an effort to obtain an expression of opinion from the florists of Connecticut on this subject, with a view to some concerted action later. The Hartford Florists' Club at its last meeting also protested vigorously against the excessive rate. But it will take something more than written protests to move the express companies. As long as the present high rates are paid, protests will count for nothing. When the florists get together in Brooklyn at the meeting of the American Carnation Society they may be able to evolve a way out of their present difficulties that will be effective.

H.

Improved Recording Thermometer

JUST THE THING FOR YOUR GREENHOUSE.

STANDARD THERMOMETER
PEABODY, MASS. U.S.A.

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Send for catalogue and prices.

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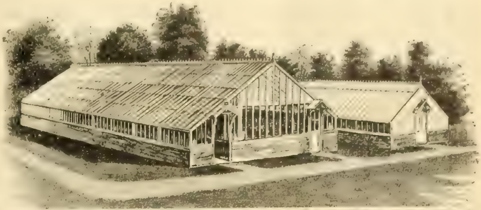

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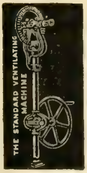

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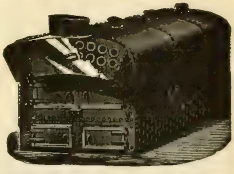

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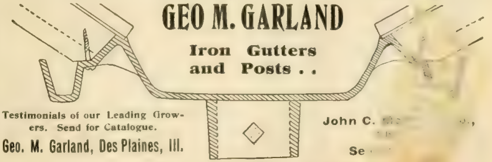

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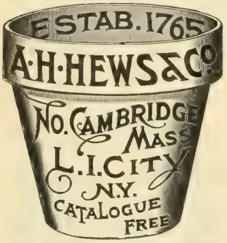

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1500	2 in. pots in crate,	$4.88	120	7 in. pots in crate,	$4.20
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1000	3 " "	5.00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3.60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4.51	12	14 " "	4.80
144	6 " "	3.16	6	16 " "	4.50

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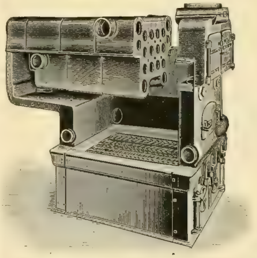

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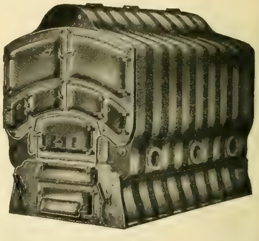

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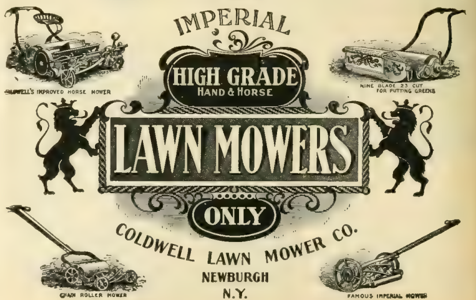
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Vol. XV. No. 7 NEW YORK, FEBRUARY 14, 1903 One Dollar Per Year

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We have a fine lot of these in first-class shape. Extra sized balls about 8 inches in diameter. **$3.50 per doz.; $25.00 per 100.**

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Extra strong plants in 6-in. pots, 1½ to 2 ft. high	$6.00	per doz
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" Mixed	2 00	18 50
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Separate colors	5 00	40 00
Mixed	4 00	35 00

CALADIUMS—(**Elephant's Ear**).

Bulbs, 6 to 8 in. in circumference	2 00	18 00
" 8 to 10 " "	3 50	30 00
" 10 to 12 " "	6 50	50 00
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		Doz.
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18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
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Heliotrope, choice mixed	40	4 75
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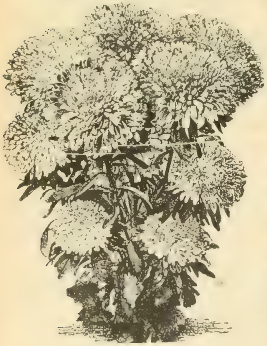

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Scandens Deflexus...100 seeds, $2.00		
ASTER, Queen of the Market, white, pink, purple, light blue, scarlet, each ¼ oz., 20c.	.10	.50

	Trade Pkt.	Oz.
ASTER. The **Carlson,** white, pink, rose, lavender, each, ¼ oz, 50c	.20	1.25
Branching pink, lavender, purple, each	.10	.85
white	.10	60
rose	.10	.75
red	.10	1.00
mixed	.10	.50
Truffaut Perfection Pæonia-flowered, white pink, light blue, purple, scarlet, blood red, each	.20	1.00
Victoria, white, pink light blue, purple, crimson, each	.25	1.75
Hohenzollern Extra Early, white or pink, (as early as Queen of the Market and better), each	.25	
BALSAM, Alba Perfecta ¼ oz 30c.	.15	1.00
Double Rose-Flowered, white	.10	.50
BEGONIA Vernon	.15	3.50
Duchess of Edinburgh, new pink	.25	
Rex hybrids	.50	
BROWALLIA speciosa major	.25	
CANDYTUFT Giant, hyacinth-flowered white (better than Empress)	.10	.30
CELOSIA (Cockscomb) Pres. Thiers	.25	
CENTAUREA candidissima, 1000 seeds, 25c		1.50
Gymnocarpa	.10	.40
COBAEA scandens, purple, 4 oz., $1.00	.10	.30
DAISY, Burbank's new Shasta, true	.25	
DRACAENA indivisa	.10	.30
GERANIUM, apple-scented, 250 seeds, 35c		
GREVILLEA robusta	.10	.40
KENILWORTH IVY (Linaria Cymballaria)	.15	
New white	.20	
LEMON VERBENA ¼ oz., 40c	.25	
LOBELIA Crystal Palace Compacta	.15	1 25
Bedding Queen ¼ oz., 50c	.25	
Emperor William ¼ oz., 30c	.10	1.00
Speciosa (trailing) ¼ oz., 25c	.10	.75
White Lady, dwarf white	.15	
MAURANDYA, mixed ¼ oz., 30c	.10	
MIGNONETTE Giant Machet, selected,	.10	.50
Bismarck, an improved Machet	.20	1.50
MIMULUS moschatus. Musk ¼ oz., 20c.	.10	
PANSY. Vaughan's International Mixture ¼ oz., $1.50	.50	10.00
Vaughan's Giant Mixture, ¼ oz., 60c	.25	4.00
Chicago Parks Mixture	.10	1.00
Masterpiece ⅛ oz., $1.00	.25	6.00

	Trade Pkt.	Oz.
PETUNIA, "Vaughan's Best" mixture of large flowering single Petunias, the best in existence	.50	
Giants of California	.35	
Double Large Flowering Fringed extra choice m'x'd	1.00	
Dwarf Inimitable	.25	
PRIMULA obconica, large-flowering white, rose or mixed, each	.25	
PYRETHRUM aureum, Golden Feather	.10	.40
SALVIA splendens. "Drooping Spikes,"	.15	2.00
Clara Bedman, very early, dwf	.25	2.50
New "Triumph," early	.25	
Silverspot	.25	
Golden-Leaved	.25	
SMILAX ¼ lb., 75c	.10	30
STOCKS, Large-Flowering Ten Weeks, white, rose, light blue, crimson, dark blue, blood-red and extra choice mixed, each, ⅛ oz., 40c	.25	
"Cut and Come Again"	.25	2.00
White Column	.25	
Red Column	.25	
Snowflake, for forcing, white	.50	
THUNBERGIA, mixed	.10	.30
VERBENA, Mammoth white, scarlet, rose, purple each	.25	
Mammoth, mixd, extra choice	.15	1.00
Mayflower, best pink	.15	1.50
Defiance, fine scarlet, true	.10	1.00
"Vaughan's Best" mixture; there is no better or more complete mixture in existence ¼ oz., 50c	.25	2.00
VINCA rosea, rosea fl. alba, rosea alba pura and mixed, each	.15	.60

SWEET PEAS.

		¼-lb.	lb.
Mont Blanc, earliest white	5 lbs., $2.50	.20	.60
Emily Henderson	5 lbs., 1.00	.10	.25
Josephine White, an A1 white		.30	1.00
Blanche Ferry	5 lbs., 1.00	.10	.25
Extra Early Blanche Ferry	5 lbs., 1.00	.10	.25
Lady Grisel Hamilton, lavender		.10	.30

TEN PER CENT. DISCOUNT FOR CASH WITH ORDER AMOUNTING TO TWO DOLLARS OR OVER.

CHICAGO
84-86 Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
14 Barclay Street

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

Send for Prices

HELLER & CO.

MONTCLAIR, N. J.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Our Catalogue for 1903 is now ready and will be mailed free on application. We handle only the very highest class seeds, making a specialty of choice flower seeds for florists, and selected vegetable seeds for market gardeners. For nurserymen we have a very full line of native and foreign tree and shrub seeds and full lines of hybrid French Gladioli, Japan Lilies and Irises, etc. Our general descriptive catalogue, the handsomest, most complete and most reliable published, will also be mailed free to parties interested.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

Johnson & Stokes'

NEW CROP FLOWER SEEDS

We would call special attention to our superior strains of **ASTERS, GIANT CYCLAMEN, SALVIA** and **VERBENA.**

ASTER, Queen of the Market, mixed, the earliest of all large trade packet, 15c., per oz., 50c.

ASTER, Queen of the Market, white, pink, purple and crimson, large trade packet 20c., per oz., 60c.

ASTER, Semple's Branching, mixed large trade packet 15c., per oz., 50c.

ASTER, Semple's Branching, pink, purple, lavender, crimson and white, large trade packet, 20c., per oz., 60c.

ASPARAGUS SPRENGERI, (new crop) per 100 sds., 15c., 1000 sds., $1.25, 5000 sds., $5.00.

CYCLAMEN PERSICUM GIGANTEUM, mixed, England's Prize Strain, has received the highest awards at the English Shows, per 50 sds., 40c., 100 sds., 75c., 1000 sds., $6.00.

SALVIA, Splendens Grandiflora, large trade packet, 20c., per oz., $1.00.

SALVIA, Splendens Bonfire (Clara Bedman), large trade packet, 25c.; per oz., $2.00

SALVIA, Splendens Silver Spot, large trade packet, 30c., per oz., $2.50.

SMILAX, Fresh Seed, large trade packet 10c., per oz., 20c., per lb., $2.50.

Special Sweet Pea Offer.

Earliest of All, pink and white, per lb., 30c., 5 lbs., $1.25.

J. & S. Standard Mixture, unsurpassed, per lb., 30c., 5 lbs., $1.25.

50 Up-to-Date Separate Varieties, per lb., 25c., 5 lbs., $1.00.

Note. You may select 1 lb. each of 5 different varieties for $1.00. Special prices will be made on 25 lbs. and over.

Get our prices on **Fern Balls, Begonias, Gloxinias** and **Japanese Lilies.**

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

HIGH GRADE SEEDS.

		Trade pkt.	oz.
Aster Queen of the Market, best early variety, in separate colors or mixed		$0 20	$0 50
"	**Semple's Branching,** in separate colors or mixed	20	75
"	**Giant Comet,** " " " " "	20	1 50
"	**Peony Perfection,** " " " " "	20	1 25
"	**Vick's Branching,** white " " " "	20	1 25

Look through our new Catalogue for all other desirable kinds of Seeds at popular prices.

WALTER MOTT SEED & BULB CO.
JAMESTOWN, N. Y.

Mention the Florists' Exchange when writing.

HYBRID CARNATION SEED

MIXED. From Mrs. Lawson, Gov. Roosevelt, Wolcott, Violiana, Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.

Burbank's Shasta Daisy Seed, 25c. per 100; $2.00 per 1000.

Asparagus Sprengeri Seed, New Crop, $1.00 per 1000

Smilax Seed, 25c per oz. **Pansy,** Giant Flowering, mixed, $2.00 per oz.

CALIFORNIA CARNATION CO.,
LOOMIS, CAL.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR GLADIOLI

A competitor after seeing our stock this fall said: "Undoubtedly you have the finest stock of **Gladiolus** in the world."

We List Over 200 Named Kinds.

		100	1000
POPULAR	Mixed	$0.80	$7.00
ALL COLORS	"	1.00	9.00
CHILDSI	"	1.75	15.00
LEMOINE'S	"	1.50	10.00
WHITE AND LIGHT	"	1.50	12.00
SCARLET AND RED	Mixed	$1.00	$7.00
PINK	"	1.25	10.00
BRENCHLEYENSIS		.75	6.00
CERES		1.00	8.00
LA MARCK		3.00	15.00

All first size bulbs. 250 at 1000 rate. 8 per cent. discount for cash with order. Special discount on large quantities. Wholesale Catalogue on application.

JOHN LEWIS CHILDS, Floral Park, New York

Mention the Florists' Exchange when writing.

NOTICE

NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

AMPELOPSIS VEITCHII, field-grown, X and XX sizes. Over 300,000 SHRUBS and VINES in variety. About 200,000 HERBACEOUS PLANTS in 250 varieties.

☞ Young Stock for transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

DAHLIA SEED

"20th CENTURY"

SINGLE.

Pure white at the tips, shading to blush rose.

(A VALUABLE CUT-FLOWER.)

17c. per pkt.; 3 pkts., 50c.

D. LANDRETH & SONS,
FLORIST DEPARTMENT,
1217 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

A BOON FOR THE FLORIST

Grow the Chinese Kudzu Vine

"DOLICHOS JAPONICA."

Perfectly hardy and a wonderful climber, grows a foot a day. As your customers want running vines this will prove a good seller. Trade Packet, 25 cts., per oz., $1.00

Send for Special Price List of Florists' Seeds and Bulbs

HENRY F. MICHELL,
Seed Growers and Importers,
1018 Market St., Philadelphia

Mention the Florists' Exchange when writing.

EASTER 1903

	Per 100
Spiræa Japonica, large clumps	$3.00
" **Compacta Multiflora**	3.50
" **Astilboides Floribunda**	4.00
Deutzia Lemoinei, large plants	15.00
Lilacs, for forcing, in best vars.	35.00
Azalea Mollis, fine plants, well budded	40.00
Azalea Pontica, fine plants, well budded	45.00
Roses, Crimson Rambler, own roots	15.00
" Hermosa, La France, and all H. P. vars.	10.00

	Per 100
Fern Balls, first size, 7-9	$22.50
" " extra with tin cups	35.00

Box Trees, Standards, extra fine, each, $2.00.

Box Trees, Pyramids, extra fine, 4 ft., each, $2.50.

A few **Dutch Hyacinths,** extra fine. Also two cases of **Lilium longiflorum,** 7-9, Bermuda grown, still left. No reasonable offer refused.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Mention the Florists' Exchange when writing.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

Onion Seed

I have 2000 pounds of Yellow Strausburg and Yellow Globe Danvers **ONION SEED**; grown from selected bulbs, in 1902. Quality guaranteed. For prices write to

John Repp, Glassboro, N. J.

Mention the Florists' Exchange when writing.

The Burpee Quality in Seeds

Best that can be Grown! The new "Silent Salesman" of the largest mail-order seed trade in the world will be sent with 184 pages of useful information and hundreds of true illustrations,—if you mail a postal to

W. Atlee Burpee & Co., Seed Farmers, Philadelphia

Blue List of Wholesale Prices mailed only to those who plant for profit.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS
ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Union County Nurseries, HIRAM T. JONES, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CANNAS

President McKinley, President Cleveland, Chas. Henderson, Paul Marquant, Secretaire Chebanne, Alphonse Bouvier, Campbell, Chicago, Queen Charlotte, Mme. Crozy, Yellow Crozy, Golden Bedder, Florence Vaughan, same dwarf; Kronos, Allemania, Burbank, Orange Queen, Eldorado, Admiral Dewey, Duke of Marlborough, Alba Rosea, or Peach Blow, Mlle. Berat, Robert Cristy, Cuba, Gov. Roosevelt, Samuel Trelease, Defender, Childsii, Robusta, Cabos, Hilaire, Flamingo, 2-3 eyes, sound tubers, $1 25 per 100; $12.00 per 1000; 5000, $40.00 per 1000.

Cash with order.

C. G. NANZ, Owensboro, Ky.
1007 Walnut Street.

Mention the Florists' Exchange when writing.

New Crop 1902 Now in Stock.

Really Produces Mushrooms

VAUGHAN'S MUSHROOM SPAWN

We supply the largest growers. Per 100 lb. $6.00 f.o.b. New York; $6.50 f.o.b. Chicago.

WRITE FOR PRICES ON QUANTITY.

VAUGHAN'S SEED STORE
84 Randolph St., Chicago. 14 Barclay St., New York

Mention the Florists' Exchange when writing.

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each $7.50 per Dozen; $50.00 per 100. Stock limited.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; one year field plants, **$30.00** per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

CANNA ROOTS

Home grown, strong roots, 2 and 3 eyes each, in perfect condition and strictly true to name. 25 of a variety at 100 rates; 250 of a variety at 1000 rates.

	100	1000
Admiral Schley, 3 ft., red	$5 00	
Allemania, 6 ft., gilt edge	2 50	
Austria, 6 ft., yellow	2 00	
Buttercup, 2½ ft., yellow	4 00	
Chas. Henderson, 3 ft. red	2 00	$15 00
CRIMSON BEDDER, 3 ft., best red	2 50	20 00
Egandale, 4 ft., bronze	3 00	25 00
Florence Vaughan, 5 ft., yellow	2 50	20 00
Golden Bedder, 2½ ft., yellow	2 50	20 00
J. D. Cabos, 4½ feet, bronze	2 50	20 00
J.T.Lovett, 5 ft., red, best foliage	2 50	20 00
Leopard, 4½ ft., yellow spotted	3 00	
Mme. Crozy, 3½ ft., gilt edge	2 00	18 00
Mme. Molin, 3½ ft., red	2 50	
Midway, 4 ft., red	$2 50	
Mrs. Eisele, 6 ft., apricot	3 00	$25 00
Mrs. Kate Gray, 6 ft., red	6 00	
Olympia, 3 ft., red	3 50	
Paul Bruant, 4 ft., red	2 50	
Pennsylvania, 6 ft., red	8 00	
Pres. Carnot, 4 ft., bronze	2 50	20 00
Pres. McKinley, 3 ft., red	2 50	20 00
Pluto, 3 ft., bronze	2 50	
Queen Charlotte, 4 ft., gilt edge	2 50	20 00
West Grove, 4 ft., coral pink	5 00	
White Lady, 5 ft., white	3 00	
Zebra, 4 ft., yellow and brown	5 00	
MIXED, dwarf or tall, all colors mixed	1 50	12 00

Circular, describing each variety, mailed free. Prompt delivery

CASH WITH ORDER.

J. T. LOVETT, Little Silver, New Jersey

Mention the Florists' Exchange when writing.

CINERARIAS from Benary's, Cannell's and Sutton's Prize Show Flowers saved, Giant Flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter, 2½ inch, $2.50 per 100. Cash.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

Mention the Florists' Exchange when writing.

LOOK OUT

For Our Advertisement in Issue February 21.

IT WILL BE OF INTEREST TO YOU.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower, Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

Gladiolus No. 1900

FREE SAMPLES

Florists desiring to test No. 1900 can have a **Free Sample** of 1 or 2 bulbs and description of same by sending this advertisement.

John Fay Kennell,
Box 405, Rochester, N. Y.

Mention the Florists' Exchange when writing.

EXTRA CHOICE **FLOWER SEEDS**

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower
Quedlinburg, Germany

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. & J. STYER, Concordville, Pa.

Mention the Florists' Exchange when writing.

High Grade Forcing Bulbs

G. VLASVELD & SONS,
Sassenheim, Holland.
Growers of Superior Hyacinths, Tulips and Daffodils

Address all communications care

Messrs. Maltus & Ware, 136 Water St. New York.

Mention the Florists' Exchange when writing.

BULBS! BULBS! BULBS!

5,000 Caladium Bulbs, to close out at once. Also write us for contract prices on Tuberoses, Fall delivery.

STALLINGS & JOHNSON, Wallace, N. C.

Mention the Florists' Exchange when writing.

Aster Seed

Semple's finest mixed, 50 cts. per oz.; $5.00 per lb.

VIOLETS, rooted runners, Marie Louise, Lady Campbell and Imperial, 50 cts. per 100; $4.00 per 1000.

CINERARIA, Rupp's Strain, 4 in., $5.00 per 100.

DAISIES (Bellis), fine plants, 40 cts. per 100; $3.00 per 1000

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNI

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C N. Page, Des Moines, Iowa, Vice-President; C. S Burge, Toledo, Ohio, Second Vice-President S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistan Secretary

SHENANDOAH, IA.—The Sentinel o February 4 contains a three-column illustrated article on the development of th business of Henry Field, the "new idea" seedsman. He is a graduate of the establishment of A. W. Livingston & Son of Des Moines, Ia., and has been in th seed business for himself since 1892. Hi specialties are garden seeds and potatoes Mr. Field was born in this city in 1871, an is considered one of its most progressiv business men.

DES MOINES, IOWA.—Trade wit us is starting in very nicely, althoug we were greatly delayed by the lithographer in getting out our catalogue this year so that they were not maile until about ten days to two weeks late than usual. Still our January ma order trade fell only 5 per cent. below that of last year. A very large number of inquiries are coming in and indications point to an especially good business this year. Seed sweet cor in extremely scarce, and is now selling in a jobbing way at about double th price at which we catalogued it. The part of our catalogue listing seed cor went to press in November, before i was fully known how short the cro was.

The demand for farm seeds seems t be decidedly on the increase, a fa greater proportion of increase than fo garden seed. We were fortunately in a favored spot with our field seed crop this year. The quality is excellent while the crop in many other parts o the West is almost an entire failure

IOWA SEED CO.

Dill and Parsley Seeds Aromatic.

By a decision of the General Appraisers at New York, handed down on January 29, 1903, dill and parsley seeds are each found to be "seeds aromatic," and to be used chiefly as drugs, and are therefore free of duty under paragraph 548, tariff act of 1897, specially enumerating "seeds aromatic, . . . which are drugs and not edible," etc., and are not dutiable under paragraph 254 of said act, as "seeds of all kinds."

In his opinion the General Appraiser (Somerville) says:

Fern Balls

FRESH LOT

JUST IN

Write for Prices

Jackson & Perkins Co.
NEWARK, N. Y.

Mention the Florists' Exchange when writing.

Japan Bamboo Canes

The best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

Stumpp & Walter Co.
50 Barclay Street, New York
Branch Store 404 E. 34th St., N. Y.

Mention the Florists' Exchange when writing.

Catalogue Cuts

Our new revised Catalogue No. 6,

FLOWERS AND PLANTS

136 pages and cover, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

A. T. DELAMARE PTG. & PUB. CO., Ltd.
P. O. Box 1697 New York.

There is nothing in the testimony taken n these cases which conflicts with the lescription and uses of these seeds as ound in the United States Dispensatory 18th ed., pp. 1570, 174 and 922). It is here stated as to parsley seeds (p. 1570) hat, while they are planted in gardens, hey have a strong terebinthinate odor and a warm aromatic taste; that the herb tself contains a volatile oil, to which it owes its odor and mainly its taste, as well as its use in seasoning, and that there is extracted from the seed an oily liquid known as apiol, sometimes called oil of parsley seed, not volatile, heavier than water, of a peculiar and tenacious odor distinct from that of the plant and of an acrid, pungent taste. It is further stated hat parsley root is said to be aperient and diuretic, and is occasionally used in nephritic and dropsical affections, and hat the juice of the fresh herb and the seeds have been used as intermittents. This description, taken in connection with he testimony, justifies the conclusion that parsley seeds are aromatic seeds and fall under the category of drugs, notwithstanding the fact that they may be used o a limited extent for sowing in gardens.

While the dill plant has been introduced into our gardens, it is cultivated chiefly, if not wholly, for the use of the seed. It is said in the dispensatory (p. .74) as to dill seeds:

"The odor is strong and aromatic, but ess agreeable than that of fennel seed; heir taste, moderately warm and pungent. These properties depend on a volatile oil."

On page 922 of the same work oil of dill, made from the seed, is described as being of a pale yellow color, with the odor of the fruit, and hot, sweetish, acrid and aromatic taste. The oil is sometimes used in preparing dill water, which is prescribed as a medicine.

These seeds are manifestly drugs. As we have said, both parsley and dill seeds are sometimes planted in gardens, but the larger quantity of them is probably raised n fields.

The fact that this parsley seed is used as a condiment, as distinguished from food, would not render it edible. Cruikshank v. United States, 59 Fed. Rep., 446; C. C. A., 171; in re Oppenheimer, G. A. 5266 (T. D. 24173).

"Seeds aromatic," which are drugs, are specially provided for in said paragraph 548, tariff act of 1897, when not edible, etc. As we have seen, this provision is an amendment of the drug paragraphs of previous tariff acts, which enumerated "seeds aromatic, not garden seeds." The fact that seeds are planted in gardens would not necessarily make them garden seeds. The expression "garden seeds" was construed by the Supreme Court in Ferry v. Livingston (115 U. S. 542) as belonging to a variety planted in gardens with the intention to raise vegetables or other edible products to be consumed by man as distinguished from other uses. This construction was followed by the circuit court for the southern district of New York in Clay v. Magone (40 Fed. Rep., 230), where it was held that such variety of celery seed as was not intended to be sown or planted to raise celery to be consumed by man was an aromatic seed not edible, and was therefore not dutiable under the provision for "garden seeds" in paragraph 465, tariff act of 1883, but was free of duty as "seeds aromatic" under paragraph 636 of said act.

We accordingly find that both dill and parsley seeds are seeds aromatic, "which are drugs and not edible and are in a crude state, and not advanced in value or condition by refining or grinding, or by other process," and hold that they are free of duty under said paragraph 548, tariff act of 1897, as claimed by the protestants.

CATALOGUES RECEIVED.

GLENWOOD NURSERIES (the W. H. Moon Company), Morrisville, Pa.—Catalogue of nursery stock, beautifully illustrated and replete with valuable information.

L. L. MAY & CO., St. Paul, Minn.—Catalogue of Northern grown Seeds, Plants Bulbs, Fruits, etc. Illustrated.

WEBSTER BROTHERS, Hamilton, Ont.—Illustrated Catalogue of Florists' Stock, Spring, 1903.

HEINRICH HENKEL, Darmstadt, Germany.—Illustrated List of Aquarium and Other Plants, Cacti, etc.

J. M. PHILIPS' SONS, Pittsburgh, Pa.—Catalogue of Farm and Garden Seeds. Illustrated.

SCHLEGEL & FOTTLER COMPANY, Boston, Mass.—Market Gardeners' Price List of Seeds, Fertilizers and Sundries.

CONARD & JONES COMPANY, West Grove, Pa.—Illustration in color of new White Canna Mont Blanc.

THE SURREY SEED COMPANY, Redhill, England.—Wholesale Catalogue of Vegetable, Flower and Farm Seeds.

W. W. WILMORE, Denver, Col.—Illustrated Catalogue of Dahlias, including Novelties. Also Trade List of Cannas, Gladiolus, Peonies, etc.

D. LANDRETH & SONS, Philadelphia, Pa.—Illustrated Catalogue of Seeds, Bulbs, Small Fruits, Supplies, etc.

JOSEPH HARRIS, Coldwater, N. Y.—Annual Catalogue of Farm, Field and Flower Seeds. Illustrated.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS.—For specimen pot plants the middle of this month is a good time to take the cuttings. Plants that are to be grown for commercial purposes need not be propagated for some time yet, though the stock plants should not be neglected at all in the meantime, or there will be but a poor supply of cuttings when the time to take them arrives. A cool, light house is where the stock plants should be placed, until the cuttings are taken, and while the old plants do not require a great deal of attention, they must not be kept too much on the dry side from now on.

CYCLAMEN.—The young plants are now about ready for their first potting. If leaf soil is obtainable, use it with a little sand added. If such soil cannot be had, then the lightest possible is the best, provided it is well enriched with thoroughly decomposed stable manure that has been run through a quarter-inch sieve. Give the newly potted plants a place where they will receive plenty of light and air, and avoid over-watering at all times.

LILIES.—These will not need the hard forcing that was necessary a year ago, as Easter is somewhat later. To have the bulk of the stock flower too early is as unfortunate as having it too late. Try to have the buds in sight by the first week in March, and there will be no trouble in bringing them in nicely for Easter time.

New Bedford, Mass.

At a meeting of florists, gardeners, and others interested in horticulture and floriculture, held on February 3, a society was organized, to be known as the New Bedford Horticultural Society. William Keith was elected temporary chairman and Peter Murray temporary secretary.

The chair appointed a committee of five to draw up a constitution and by-laws to be presented at the next meeting. The committee is composed of William F. Turner, R. H. Woodhouse, Thomas White, James Garthley, and A. J. Fish. It was voted to add Chairman Keith to this committee. After an informal discussion of various points connected with the constitution and by-laws, the meeting adjourned, subject to the call of the committee.

Those present were R. H. Woodhouse, William Keith, James Garthley, A. J. Fish, Peter Murray, Samuel S. Peckham, A. B. Hathaway, Richard E. Nofftz, Mortimer Searles, Charles A. Tuell, William A. Johnson, Thomas White, Peter Priaulx, Charles P. Emerson, William F. Turner, Samuel J. Donaghy, James M. Ricketson, John W. Frasier, James C. McNutt, George N. Borden, Eliot T. Sabine, Edward J. Lawrence, E. A. Munson.

CEDARHURST, N. Y.—At a meeting of the Lawrence-Cedarhurst Horticultural Society, the following officers were elected and installed: President, John J. Reilly; vice-president, Michael O'Hara; secretary, Herbert Entwistle; treasurer, William Mitchell.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.
10,000 strong Fall runners of **Campbell Violets**, $10.00 per 1000.
Madeira Roots and **Gladioli**, $1.00 per 100.
Tritoma Uvaria, strong field roots, $6.00 per 100.
Shrubs and **Vines**. Send for List.
CASH, PLEASE.

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THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 100.

ASPARAGUS SPRENGERI

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

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Send for List, Fine Stock.

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Kalamazoo, Mich.

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SPECIAL

Verbena Giant. 10 kinds, R. C., 50 cts. per 100.

Petunia. Double Fine, 15 sorts, 2 in., $1.75 per 100. R. C., $1.00 per 100.

GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants. $2.50 per 1000.

DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SWAINSONA ALBA, 2 in., 2 cts.

REX BEGONIA, in variety, R. C., $1.00 per 100. Cash. Rooted cuttings prepaid.

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25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

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Whole field-grown clumps, $4 00 per 100; $36.00 per 1000. Send for list, we can save you money.

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Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.

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Grower of the Finest Pansies.

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PANSIES
Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

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Pansy Plants

	Per 100.
Large Flowering............ $2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants......	2 00
Coleus, 20 var., 2 in. pots..................	2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and	3 00
Canna Roots, 10 var..........................	3 00

CASH.

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For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt**, at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard**, at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin**, at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

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GERANIUMS, Labeled, 2-inch, $2.00 per 100.
CHRYSANTHEMUMS, Labeled, 2-inch, $2.00 per 100.
SELAGINELLA DENTICULATA, 2-inch, $2 per 100. No. 1 stock. Satisfaction guaranteed.

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Resurrection Plants Fan-shaped, $20.00 per 1000. Small, well shaped **Cacti**, $5.00 to $8.00 per 1000. **Clematis Coccinea**, $40.00, and $45.00 per 1000. **C. Crispa**, $35.00 and $40.00 per 1000.

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PANSIES WORTH RAISING

No more plants until they can be dug in the field.

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Double Gen. Grant, S. A. Nutt, Poitevine, out of 2½ in. pots, all strong plants, $3.00 per 100; $25.00 per 1000.

Ageratum, three varieties, **Alternanthera**, red and yellow, $2.00 per 100; $18.00 per 1000.

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Special Prices
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GERANIUMS Coleus Petunias Sage, Etc.

Stocky plants from pots sent with all the roots, but little soil. M. Landry, S. A. Nutt, Buchner, Montmart and other fine doubles, $14.00 per 1000. A. Ricard, Poitevine, F. Perkins, J. P. Cleary, A. Lang, $16.00 per 1000; same rates per 100. M. Castellane, Le Soleil, J. Viaud, $2.25 per 100. List free.

COLEUS, R. C. All brightest fancy and Golden Queen, $5.50 per 1000.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Montmart, $14.00 per 1000.

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GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties.......$5.00 per 1000		
Double Petunias, rooted cuttings, $1.25 per 100		
Heliotrope, all dark varieties.......	1.00	"
Feverfew, in fine shape................	1 25	"
Ageratum.....................................	.60	"

Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

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CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Well-grown plants from 3 in. pots, in bud and bloom, $6.00 per 100; from 4-in. pots, $1.50 per doz.; $10.00 per 100.

BEGONIA REX. In 12 standard market varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

GERANIUMS. Dble. Gen. Grant, Alphonse Ricard, Bruanti, Beaute Poitevine, Gloire de France, S. A. Nutt, La Favorite, Jean Viaud, etc., well-grown plants from 2½ in. pots, $2.50 per 100; $22.50 per 1000.

CANNAS (dormant tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Papa Canna, Egandale, etc., $2.00 per 100; $18.00 per 1000.

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Trade Catalogue Free.
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Ligustrum Regelianum
(Prostrate Privet)
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LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

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12-15 in., Bushy, from 4 in. pots...... $20.00 per 100
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Climbing Clothilde Soupert, Strong field-grown ... . $10.00 per 100

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A fine variety, somewhat similar to C. Paniculata, but blooms Earlier and Lasts Longer – Strong plants from 3-in. pots.......$8.00 per 100

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12-15 in., 5 ch. lvs., 3-in. pot............$18.00 per 100

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Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.
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We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.
List of names on application.
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PLEASE ASK FOR OUR CATALOGUE.
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HARDY ORANGE
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Extra fine stock for mailing; 8 to 18 inches in height, $10.00 per 1000; $2.00 per 100.
FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.
SEND FOR LIST.
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An *Immense Stock* of both large and small sized *EVERGREEN TREES* in great variety; also *EVERGREEN SHRUBS.*
Correspondence solicited.
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Nursery Department

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The Tree Tomato Again.

Editor Florists' Exchange:

There is indeed a tree tomato, which is not a true tomato, but belongs to a different genus, Cyphomandra betacea, a native of Peru and other parts of South America. It forms a medium-sized, soft-wooded, much-branched tree, with broad ornamental foliage, reddish brown when young, like beets, from which its varietal name. Flowers are of good size, pinkish white, and exhale a much-pronounced fragrance like that of tea roses. The fruits, produced in large clusters on very long peduncles, are egg-shaped, and about 1x2 inches. Their bright orange color makes them very ornamental, as they hang on the plant all Winter. Some people eat them raw, but if stewed with sugar they make a delicious dessert dish. The fruits are occasionally found on the market in Southern California, but not as often as they deserve.

The tree tomato can easily be grown and fruited in pots, and will make a striking ornament of any conservatory.

DR. F. FRANCESCHI.

Peaches from Seed.

In a private letter I am asked by a reader what I think of his setting out a lot of peach seedlings in his orchard instead of named sorts. I would not advise it. Nothing is known of what the seedlings will be, and they may be the opposite of what is wanted. Very often superior kinds result, but when setting out an orchard it should be with a definite object in view, such as the obtaining of the best kinds of fruits for family use or for market, and having a kind, or several sorts, to ripen at a given time. Seedlings wont do this. It's very well to have a seedling or two, an interest always attaching itself to the unknown, which is what a seedling is; but for the orchard itself, set out named sorts. One, two or more named kinds are said to come true from seed, the Smock and the Wagner are two, and there may be more. I have had the former come true myself.

Nurserymen sow peach stones in a bed, transplanting the seedlings to nursery rows as soon as they are well above ground, and by September these seedlings are large enough to bud. These buds make plants large enough to sell by the September following.

If more attention were given to feeding peach trees well, they would last much longer than they do. As it is, in poor soil and overloaded with fruit as they often are, how can a long life be expected of them!

Painting Wounds of Trees.

The advice to paint wounds of tree, to prevent decay is quite common, bu the Journal of the Royal Horticultura Society of England calls attention t the numerous destructive fungi whic enter trees to their injury throug scars made by sawing limbs, or throug wounds. Many of these fungi ar harmless so long as the trunk is intac only becoming injurious when throug wounds or scars an opening is give them to enter the tree. The pamphle referred to recommends that as soo as a limb is severed the scar should b coated with gas tar at once, whic advice is heartily endorsed, and a fungi laden branches and fruit shoul be burned.

Spanish Chestnuts in England.

Mr. Thiselton Dyer, of the Roy Gardens, Kew, writes to the Gardener Chronicle of the success of Spanis chestnuts in England "in favorable sea sons." It may be that our native sp cies would succeed better than th Spanish; at any rate it is worth try ing, if not already done. Our's is much sweeter nut, though of a small size.

It is a wonder that among so mar persons interested in the chestnut que tion there is not more attempt made look up a variety of our own speci with large nuts. Most every boy wh hunts chestnuts knows of a tree wi larger nuts than others.

Glyptostrobus Pendulus.

The very beautiful tree grown nurseries under the name of Glypt strobus pendulus is no longer reco nized as distinct from Taxodium, for a long time it was thought to b It is but a variety of the common d ciduous cypress, and in some works now known as Taxodium, var. micr phyllum. Almost all large collectio have a specimen or two of this tre It differs mainly from the normal for of taxodium in having its leaves su rounding the branchlets, and n spread out in two rows as the comm cypress has. It was in collections f some time under the supposition of i being a Chinese tree; but nurseries the North have had it to appear beds of seedlings of the deciduous c press.

In "Forestry of North Carolina" it said this form, glyptostrobus, is n uncommon South, especially in the w savannas near Wilmington. It is singular looking tree and one w adapted to damp soil.

Its propagation is by grafting it the common deciduous cypress. You stock lifted in Autumn can be graft indoors, and stocks in the open air April.

WANTED, HOTHOUSE PRODUCE.
Mushrooms, Tomatoes, Cucumbers, Lettuce, etc., specialties. Only house dealing exclusively in these goods. Correspondence solicited.
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HYDRANGEAS
$7.00 per 100.
Otaksa Thos. Hogg
Strong out-door plants with 3 to 5 flowering crowns. Suitable for 6-in. or 7-in. pots.
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WHOLESALE GROWERS OF
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English Ivy for Edgings.

In this vicinity English ivy is much used for edgings to flower beds and marking boundaries. When close to he ground it survives cold, which it would not do when on a building or any elevation much above the ground. In several of our cemeteries, particuarily that of Laurel Hill, it is much in evidence. In most all cases graves which are wholly covered with green have ivy for the plant, where in other cemeteries grass, periwinkle, sedum or some other plant would be used. These graves in the Summer season present a mass of green from the ivy which I have never seen equalled by any other plant. The boundaries of the lots are often outlined by ivy. In this case, litle by little, as one shoot rests on the other, the height is increased, forming n a few years, with the assistance of he caretaker, a little wall of green a foot or so in height. Here and there are seen little clumps, or shrubs, of vy. These are formed by keeping a stake to a plant for a few years until t has a stiff shoot of its own, after which it supports itself and becomes a shrub.

No doubt the ivy would thrive much further north than is supposed when creeping close to the ground, its Winer protection being better secured.

Defensive Hedges.

When a hedge of a defensive nature s required—and there is often a necessity for one—there is no plant as good as the hardy orange, Citrus trifoliata, where it is hardy enough to stand the Winter, and this may be as far as Connecticut, along the coast. I have seen its immature tips hurt in the vicinity of Philadelphia occasionally, but rarely, and only when the plants are but in heir seedling stages. When hardwood has formed there is no more damage done. Even should there be, such as he freezing of a few inches of top growth, it would but tend to make the plant still more bushy.

There are some large bushes of this orange in the Zoological Garden, Philadelphia, which are as bushy as they can be, and all through a natural process. Not only are the thorns spiry and rigid, but the branches are also of a stiff, unyielding nature. I do not hink any animal would go through a mature hedge of it.

It takes but a few years for a plant o bear its oranges, after which propagation is easy. The oranges are full of seeds, which grow readily preserved n a slightly damp state and sown in Spring. Where a large number of oranges are on hand place them outdoors to freeze and rot, then wash the seeds free.

This orange is all right whether as an ornamental or hedge plant.

Berry Bearing Aucubas.

Plants with green leaves and red berries have always been in demand at Christmas time and, no doubt, there would be a call for them as well at Easter. Among plants of this kind more to be seen to-day than heretofore, is the aucuba, a Japanese evergreen, hardy in sheltered places in the vicinity of Philadelphia. It is a plant which bears the male and female flowers on separate plants. Of the merits of the plant and its production, Gardening Illustrated has this to say:

"Small, compact plants of the various forms of aucuba, when well furnished with berries, are much valued in London during Winter for window decoration. The way in which they are hiefly obtained is by fertilizing, when in flower, old-established plants with male pollen, and then layering in light, andy soil, good-sized branches with bushy heads being selected for the purpose and pegged down. In a short time hey strike root, when they are severed rom the old plant, and in Autumn are ifted, potted and placed indoors to olor their berries. Standard plants are obtained by grafting on the common ucuba."

By having a lot of plants of both sexes in pots flowering at the same ime, proper fertilization could be effected, and in this way berried plants f large size obtained for decorative purposes.

To succeed with the aucuba outoors in Winter the plants need setting in a shady, sheltered place. I ave seen them on the south side of house, which gave them warmth, and n their north side was a group of large deciduous trees, which kept the sun from them. The plants went through Winter after Winter with not a leaf hurt. Though better when the temperature is regular at about the freezing point, heat is not so objectionable to the aucuba as is bright sunlight.

JOSEPH MEEHAN.

Chicago.

A Carnation Show.

The carnation exhibit at the club meeting on Tuesday night last was hardly compatible with the large glass area devoted to this flower in the vicinity of Chicago, a fact that proved a great disappointment to the promoters of the exhibition.

The J. D. Thompson Co. showed fine vases of their Enchantress, Apollo, Governor Wolcott, Mrs. E. A. Nelson, Mrs. Thos. W. Lawson, Estelle, Harry Fenn, Nelson Fisher, Mrs. M. A. Patten and Guardian Angel. W. N. Rudd sent The Marquis, Governor Roosevelt, Phyllis, and a white seedling, No. 15. J. F. Anthony staged a sport from Evanston, and a pink seedling named Alice C. Kennicott. Sinner Bros. had a vase of fifty of each of the following varieties: Sport, Mrs. Thos. W. Lawson and America. F. Dorner & Sons Co. exhibited several vases of seedlings, some of which were named and others only numbered. C. J. Reardon sent a vase of a seedling, No. 38. The Heller Bros., of New Castle, had a fine vase of their new rose, Franz Deegen.

W. N. Rudd carried off the prize for the best vase of fifty blooms with Phyllis, which scored, as judged here, 91 points. The J. D. Thompson Co. took the premium for the best vase of twenty-five blooms with Governor Wolcott; also the prize for the best collection of blooms.

The seedlings, as judged, scored as follows: W. N. Rudd's No. 15, a white, 87 points; J. T. Anthony's Alice C. Kennicott, 80 points; F. Dorner & Sons Co.'s No. 130, 90 points; No. 193, pink, 87 points. C. J. Reardon's No. 38, 70 points. The judges were F. F. Benthey and F. W. Timme.

At the club meeting the express rates matter was again considered, and a resolution passed that the S. A. F. be requested to take up and thoroughly investigate the legality of the express companies doing business in the United States. The secretary was ordered to send a copy of the resolutions to the secretary of the S. A. F., to be acted upon at the coming executive meeting.

W. N. Rudd requested that the money awarded him for premiums be used to go toward the starting of a special fund to have an open club room, with bowling alleys attached. Several other donations for such a purpose were made and a committee, composed of the following members, was appointed to take up the matter and solicit funds from those in the trade: W. N. Rudd, P. Foley, M. Barker, E. F. Winterson and F. F. Benthey.

The wholesalers report trade for the past month better than has ever been experienced before as regards prices obtained for stock. Christmas figures have been ruling for almost all fancy stock, with the exception of American Beauty.

Visitors in town: Fred. Breitmeyer, Detroit, Mich.; J. Bock, Burlington, Iowa; J. T. Anthony, Geneva, Ill., and Geo. A. Kuhl, Pekin, Ill.

ROBERT JOHNSTONE.

TOLEDO, O.—Crane Brothers will build four or five new greenhouses, each 250 feet in length.

TO EXCHANCE

HARDY PHLOX, mixed colors, strong 2 year old clumps. Good desirable varieties. Will exchange for pot plants or rooted cuttings, or will sell cheap for cash.

A few rooted cuttings of **CHRYSANTHEMUMS.** Write for list of varieties.

Henry H. Barrows & Son
Whitman, Mass,

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA

Fine plants, 5 in. pots, ready to shift, $20.00 per 100, 2½ in. pots $3.00 per 100.

WILL EXCHANGE for rooted Carnation cuttings or other plants.

JOHN BRONNER
301 Beecher St. Syracuse, N. Y.

Mention the Florists' Exchange when writing.

RUBBERS

6 inch Fancy Stock, 24 to 30 inches high, **$4.00 to $5.00 per Dozen.** Also all kinds of **SPRING STOCK.** Write for Prices

BENTZEN FLORAL CO.
4025 Marcus Ave., St. Louis, Mo.

Mention the Florists' Exchange when writing.

THE NEW ASPARAGUS COMORENSIS

Very fine, 4 in., $15.00 per 100, $2.00 per doz.

CHARLES E. MEEHAN,
Slocum and Musgrove Sts., GERMANTOWN, PA

Mention the Florists' Exchange when writing.

Spiræa Japonica, Compacta Multiflora, Astilboides Floribunda

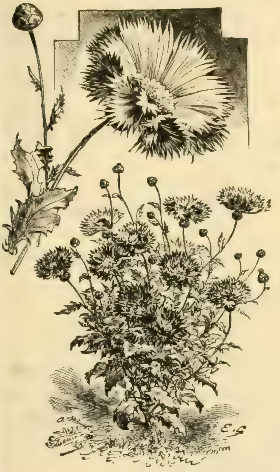
$3.00 per 100.

DEUTZIA Lemoinei..........$15.00 per 100
LILACS, for forcing.......... 85.00 "
AZALEA Mollis .... 40.00 "
" Pontica.......... 45.00 "
ROSES, best varieties .... 10.00 "

FERN BALLS, large, 7-9....$22.50 per 100
" " extra, with tin cups 35.00 "
TUBEROSES, the Excelsior Pearl, 4-6, $7.00 per 1000; 3-4, $3.00 per 1000.
Prices on all Spring Bulbs & Plants cheerfully given

F. W. O. SCHMITZ, Prince Bay, N. Y.

Mention the Florists' Exchange when writing.



ROYAL SWEET SULTANS

(Centaurea Imperialis.)

The beautiful, artistic, sweet scented flowers are borne on long, strong stems and when cut stand for a week in good condition. A splendid thing for cutting during April, May and June. Should be sown at once. We can supply in the following colors:

	Trade Pkt.	Oz.
PURE WHITE	$0.20	$0.75
DELICATE LILAC	.20	.75
BRILLIANT ROSE	.20	.75
DEEP LAVENDER	.20	.75
DARK ROSE	.20	.75
DEEP PURPLE	.20	.75
FINEST MIXED COLORS	.20	.60

There is still time to sow **Ageratums, Petunias, Lobelias, Pyrethrum, Verbenas, Vincas, etc., etc.**

Our Wholesale Price List gives a complete list; if you have not a copy we will send you one on receipt of your business card or other evidence showing that you are entitled to receive it.

DREER
714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Geraniums and Miscellaneous Plants

SPECIAL FOR ONE WEEK OR UNTIL SURPLUS IS SOLD

GERANIUMS

UNROOTED CUTTINGS of the following varieties: Granville, Double Gen. Grant, Jean Viaud, Mme. Landry and Centaure, $1.00 per 100. Our selection.

2¼ in. pots, strong plants, $2.00 per 100; $20.00 per 1000; 1000, our selection, $17.50

DOUBLE.

Alphonse Ricard, Beaute Poitevine, Centaure, Double General Grant, Comtesse de Harcourt, Gillian M. Gill, General de Boisdeffre, John Doyle, La Pilote, Jean Viaud, Mme. Charotte, Mme. Canovers, Mme. Landry, La Favorite, Le Cid, Mme. Jaulin, Miss Frances Perkins, Marquise de Montmort, Mme. Barney, Miss Kendell, S. A. Nutt.

SINGLE.

Granville, Jacquerie, L'Aube, Wm. Ewing, Queen of the West, Mrs. E. G. Hill, Mme. Bruant.

Rose, Nutmeg, Balm and other scented kinds.

MISCELLANEOUS PLANTS

	2¼-IN. POT, PER 100
Abutilon, in Variety	$2.50
Achyranthes, in Variety	2.00
Ageratum { Stella Gurney and Dwarf White }	2.00
Alyssum { Giant Double and Dwarf Double, }	2.00
Alternanthera, in Variety	2.00
Cannas, Dormant roots, mixed, $1.00 per 100. Named	2.00
Chrysanthemums. Unrooted and Rooted Cuttings, or from 2¼ in. Pots. List on application.	
Coleus in Variety	2.00
Dahlia Roots, our selection, Strong Field-Grown Roots, $4.00 per 100. Purchaser's selection	5.00
Fuchsias, in Variety	3.00
Forget-me-not, Large Flowering, Blue, from 2½ in. Pots, $2.50 per 100.	
Hardy English Ivy	2.00
Lantana, 10 Varieties	2.00
Lemon Verbena	2.50
Petunias, double and single fringed	2.50
Petunias, double, five named varieties	3.50
Salvia, Silver Spot, Bonfire and Splendens	2.00
Smilax	2.00
Swainsona Alba	2.00

(Rooted cuttings, of Hardy English Ivy, 75 cts. per 100; $5.00 per 1000.)

SEND FOR PRICE LIST OF FULL LINE OF GREENHOUSE AND BEDDING PLANTS.

CASH WITH ORDER.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

New Forcing Rose **IDEAL**

A grand Winter Rose, growing and flowering continually; color deep pink; a vigorous grower. Flower bud long, keeping good form as it opens, retaining perfect color until petals fall. Very fragrant; good stiff stems. Young plants in 2¼ inch pots, **$15.00** per 100; **$125.00** per 1000. Two-year-old plants, in 5 in pots, **$50.00** per 100; 6 in. pots, **$75.00** per 100. Stock ready April 15th Quantity limited.

JACOB BECKER, 5218 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ENGLISH and FRENCH . . **MANETTI STOCKS**

RIGHT SIZE FOR INDOOR GRAFTING. $12.00 per 1000.

L. J. KRESHOVER, 110-112 West 27th St., 38 West 28th St., NEW YORK CITY.

Mention the Florists' Exchange when writing.

ROSES, GERANIUMS

and MISCELLANEOUS STOCK.

See our big advt. in last week's issue, or send for our List

NATIONAL PLANT CO.

Dayton, Ohio.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

Rooted Cuttings	$30.00	per 1000
2 inch pots	50.00	"
3 " "	75.00	"

Stock selected and in prime condition.

T. D. VREELAND, Paterson, N. J.

Mention the Florists' Exchange when writing.

WHITE and PINK **ROSES**

Mme. COCHET.

Strong field plants, for potting at once for Spring sales, fit for 4 and 5 in pots.

Price, $10.00 per 100. Cash, please.

BENJAMIN CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing.

ROSES for Spring blooming. The proper sorts. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-year field-grown plants that have never been forced; suitable for 5-in. pots at 6c.; larger for 6-in. pots at 10c.

Large flowered Clematis, finest purple, lavender, white and pink sorts, 2-year field-grown or from 5-in. pots at 18c.; 1-year field-grown or from 3-in. pots at 9c. Clematis Paniculata, fine 2-year field-grown, 6c. Packing free for cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

ROSES

	Per 100	Per 1000
American Beauty	$3.00	$30.00
Bridesmaid and Bride	1.50	12.50
Meteor, Golden Gate	1.50	12.50
Perle, fine	2.00	20.00
Ivory	3.00	25.00

All nice, clean, two-eye cuttings, strongly rooted. Sure to make good plants.

W. H. GULLETT & SONS, Lincoln, Ill.

Mention the Florists' Exchange when writing.

HARDY ROSES, Etc.

FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, 2½-in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,

Reorganization of Jno. A. Doyle & Co. Springfield, O.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Write for particulars.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Marie Louise Violet Plants

(Grown by Alfred Whittley)

from clean, vigorous prize-winning stock. Eight prizes in two years. Orders now received for March or later delivery. Write at once for prices.

A. W. WILLIAMS, Highland, N. Y.

Mention the Florists' Exchange when writing

Cinerarias

In bud and bloom, 5 in., $1.50 per dozen.

Calceolarias, 3 in., $5.00 per 100.

Pansies. A superior strain, transplanted in cold frames, 50c. per 100, by mail; $3.00 per 1000, by express.

Genistas, in bud and bloom, 4 in., $1.50 per doz.
" " " " 5 in., 2.00 "

Unrooted Carnation Cuttings—Dorothy, Mrs. Lawson, Cressbrook, Gaiety, Oriole, Challenger, Norway, Queen Louise and Sylvia, $1.50 per 100; $10.00 per 1000.

WHITTON & SONS. Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100
Coleus, Crimson Verschaffeltii, Golden Bedder, 15 others; no mealy bugs	$0 50
Fuchsias	1 50
Double Petunias	1 25
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60

Cannas, Queen Charlotte, Crozy, Marlborough, Vaughan, Henderson, Burbank, Berat, Chicago, Cabos and others, 2 to 3 eyes, $15 00 per 1000; $1 50 per 100.

Vinca Variegata, 3-in. pots, $4.00 per 100

Geraniums, Mme. Salleroi, 2 in. pots, $2.50 per 100

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.

(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C.	1 25
STROBILANTHES DYERIANUS, R. C.	$1 25 and 1 50
GAZANIA SPLENDENS, R. C.	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and AUSTRALIS, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONIA GALE, alba and rosea	1 25
FLOWERING BEGONIAS, 8 vars.	1 50

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION

Now on press. Write for particulars

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

CHANGES IN BUSINESS.

MANAYUNK, PA.—Albert Schmitz has opened a greenhouse on Main street, this city.

LANSING, MICH.—Miss Agnes Talmadge has accepted a position in the florist establishment of J. A. Bissinger.

JENKINTOWN, PA.—Harry R. Rorer has taken charge of his greenhouses on Hillside avenue and Walnut street. The business will be run under the name or Rorer & Son.

LEWISTON, PA.—J. J. Hunt has completed his new store on the main street and will move into it at once. The store is equipped with all modern conveniences, with greenhouse and plant beds in the rear and dwelling house adjoining.

HARTFORD, CONN.—F. B. Fountain, who has for some time conducted a greenhouse on Court street, has purchased the business conducted by his father on Main street for 35 years in a similar line and will continue it in connection with his present place.

GREENVILLE, TEX.—The Greenville Floral and Nursery Company has been chartered with a capital stock of $5,000. The stockholders have elected the following officers: M. L. B. Seaman, president; R. L. Taylor, vice-president; R. H. Long, secretary and treasurer; Edwin Barlow, general manager. A. P. C.

COLORADO SPRINGS, COL.—W. H. Evans, carrying on a florist's business on Pike's Peak avenue, has purchased control of the Colorado Springs Floral Company and announces that the capital stock of the concern will be increased at once, and that important additions will be made to the company's greenhouses on Columbia street. The exact nature of the additions and improvements has not been determined, although it has been definitely decided that among them will be the erection of a show house 90 by 30 feet.

FIRES.

MELROSE, MASS.—Fire in the building in which the florist store of Justus Geist is located did damage to the extent of $1,000.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers**, $4.00 to $6.00 per doz. **Asparagus Sprengeri**, 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

—15 PER CENT.—

MME. VAN DER CRUYSSEN and or **SIMON MARDNER**

Others may promise, but I guarantee you 15 per cent. each of the above varieties of the total number of

AZALEAS

you order up to 16-inch plants. The market in Ghent is almost bare of these favorite varieties and this is an exceptional opportunity. Avail yourself of it while it holds good and order quickly.

I also offer the finest brands of **Lily of the Valley Pips** for early or late forcing, **Roman Hyacinths, Paper Whites, Dutch Bulbs, etc.,** all for Fall delivery. Prices cheerfully quoted.

CHAS. F. MEYER

Importer of Bulbs and Plants and Sole Representative of the AD. D'HAENE CO., LTD., Ghent,

19 BARCLAY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,

BROOKLYN, N. Y.

Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

FERNS. Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100

BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fine $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurtii, in bloom, and **BEGONIA APPLE BLOSSOM**, in bloom, from 2½ in pots, $2.50 per 100.

JNO. G. EISELE, Philadelphia, Pa

20th and Ontario Streets.

Mention the Florists' Exchange when writing

AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The larges growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK

60 Vesey Street, NEW YORK.

Mention the Florists' Exchange when writing

FERNS SURPLUS HEALTH

Plants, grown cool, 2¼ in. pots, fine for growing on.

3000 Aspidium Tsussimense, $2.5 per 100.

3000 Cyrtomium Falcatum, $2.2 per 100. Also other sorts.

Pansies, small, hardy, cold frame plants 30 cts per 100; $2.75 per 1000. Cash, please

MOREL BROS., 624 East Market St., Scranton, P

Mention the Florists' Exchange when writing

NOW IN BLOOM

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths al colors. Also all kinds of Palms and Deecorativ Plants. Prompt deliveries made in Brooklyn an New York. Write for our illustrated catalogu

A. SCHULTHEIS,

P. O. Box 78,

College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing

ASPARAGUS PLUMOSUS NANUS

300, 3-in. pots, $8.00 per 100; 100, 4-in pots, $10 00 per 100.

Asparagus Sprengeri, 400, 3-in pots $6.00 per 100

Boston Ferns, 100, 3-in. pots $4.00 per 100

J. VAN LINDLEY NURSERY CO., Pomona N. C.

Mention the Florists' Exchange when writing

Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment. Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

SOLE AGENTS:

AUGUST RÖLKER & SONS. P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.0 per doz.; 7 in. pots, $2.00 to $2.50 each; large plants, $3.00 to $15.00 each. Kentia Forsteriana 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.0 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.2 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.0 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

Call around before they are all gone

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.
Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $8.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.
Coleus, Rooted Cuttings, 75 cts. per 100.
Ageratum, blue and white, 75 cts. per 100.
Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $8.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

Chinese Azalea
Dreer

Place your orders **NOW** while the plants can be shipped without danger to the buds.

Our stock is larger than ever and we can supply standard varieties, including 10 per cent. of Mme. Van der Cruyssen as under:

	Per doz.	Per 100
Fine bushy crowns, 10 to 12 inches in diameter	$5 00	$40 00
" " " 12 to 14 " " "	6 00	50 00
" " " 13 to 15 " " "	9 00	70 00
" " " 16 to 18 " " "	15 00	
" " " 18 to 20 " " "	30 00	
" " " 20 to 24 " " "	42 00	

SEASONABLE PALMS and FERNS

Areca Lutescens.

	Inch high.	Per doz.	Per 100	Per 1000
2-in. pots, 1 plant in pot	6 to 8	$0 75	$6 00	$40 00
3 " 2 "	12 to 45	1 25	10 00	70 00
4 " 3 "	15 to 18	2 50	20 00	175 00
5 " 3 "	18 to 24	5 00	40 00	350 00
6 " 5 to 6 "	22 to 24	9 00	75 00	
6 " 3 "	28 to 30	12 00	100 00	

Kentia Belmoreana.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2¼	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	
				Each.	Per doz.
6	6	26 to 28		1 25	$15 00
6	6 to 7	28 to 30		1 50	18 00
7	6 to 7	30 to 32		2 00	24 00

Latania Borbonica.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2¼			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

Kentia Forsteriana.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2¼	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
				Each.	Per doz.
6	6	30		$1 25	$15 00
6	6	30 to 36		1 50	18 00
7	6	30 to 36		2 00	24 00
8	6	42		2 50	30 00
8	6	48 to 52		4 80	48 00
					Each.
9	6 to 7	52 to 54			$5 00
9	6 to 7	54 to 58			7 50
[illegible]	[illegible]	[illegible]			10 00
10	6 to 7	72			12 50
12 in. tubs,	7	7 to 8 feet,			25 00

Phœnix Canariensis.

11-inch tubs, 3½ to 4 feet high, bushy and shapely, $5.00 each.

11-inch tubs, 4 to 4½ feet high, bushy and shapely, $6.00.

FERNS

For Fern Dishes.

FOR IMMEDIATE USE.

	Per 100	Per 100
2-inch pots, assorted varieties	$3 00	$25 00
3 " " " "	6 00	

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

WE STILL HAVE

ARAUCARIA EXCELSA

and can furnish them from 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana,** 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

Cineraria Hybrida for Easter blooming. Surplus stock at the following greatly reduced prices, to wind up. Strong plants from 3 in. pots, at the rate of $3.00 to $4.00 per 100, ready to shift into 5½ in. Four inch, at the rate of $5.00 to $6.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

LAST OFFER OF

Asparagus Sprengeri

Seedlings, from flats. If not sold at once they must be potted, as they are getting too large for flat culture.

$1.00 per 100; $7.50 per 1000

VINCA MAJOR VARIEGATA

Large field-grown clumps, established in 4 in. pots, $5.00 per 100. No better stock for Spring filling.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing.

DWARF BOSTON FERNS

6-in. pots, $6.00 per dozen. 8 and 9-in. pots, $12.00 per dozen.

Adiantum Cuneatum, 4-in. pots	$2.00 per doz.;	$15.00 per 10
Asparagus Sprengeri, 5-in. pots	2.00 "	15.00 "

EMERSON C. McFADDEN, Short Hills, N. J.
Tel. 28A Short Hills.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3.00
6 in. "	"	5.00
6 in. " strong	"	6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz.,	$1.50
4 in. " extra select	"	2.00

FERN BALLS

Furnished with leaves ..... per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties ..... per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

AZALEAS for EASTER

IN BEST FORCING VARIETIES.

10 to 12 in. crowns, $35.00 per 100. 12 to 14 in. crowns, $45.00 per 100.
14 to 16 in. crowns, $60.00 per 100.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high	$30.00 per 100
4 in. pots, 10 to 12 in. high	20.00 " "
3 in. pots	15.00 " "

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

CANNAS (All Standard Varieties).
$2.00 per 100. $15.00 per 1000

GERANIUMS (Best Bedding Varieties).
$3.00 per 100; $27.50 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display).

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by a young man; experienced in roses, carnations and greenhouse work. Address J. P., New City, N. Y.

POSITION wanted by competent grower; 30 years' experience in all branches; can take charge. Address G. A., care Florists' Exchange.

GERMAN florist, all-around hand in greenhouses, well recommended, sober, wishes position, near New York. Address Ludwig Geh, 150 Central Ave., Brooklyn, N. Y.

UP-TO-DATE, sober and reliable man, thoroughly experienced in all branches of the business, desires permanent position in New England. G. D., care Florists' Exchange.

SITUATION wanted by German florist, 24 years old, 5 years' experience in carnations and bedding stock. Please state wages when writing. Address G. C., care Florists' Exchange.

POSITION WANTED, as manager of a commercial, or head gardener on a private place, by thoroughly qualified, all-around man. Best of references from last employer. Scotchman, single. Address J. E. Whyte, Scarborough, N. Y.

SITUATION wanted by young man as assistant, under glass, on large private or commercial place. Three years' experience; roses, carnations, general stock. C. F. Lawrence, 214 W. 69th St., New York.

CARNATION GROWER WANTS POSITION AS FOREMAN ON COMMERCIAL PLACE. WHEN ANSWERING, GIVE FULL PARTICULARS AND WAGES. ADDRESS G. E., CARE FLORISTS' EXCHANGE.

HEAD GARDENER, married, no children, competent, reliable; landscaper and florist; thoroughly experienced in every line, wishes position to take charge of private place. Box 77, North Tarrytown, N. Y.

SITUATION wanted by young man, age 23, nine years' practical experience in growing grapes, orchids, roses, etc ; also outside work. Private place preferred. References. H. Scholz, 8th Ave. and 39th St., Brooklyn, N. Y.

GERMAN, 20 years old, 6 years' experience in general greenhouse work, especially chrysanthemums, lilies and bedding stock, wishes steady position. Address W. Beiulick, care C. Wrege, 128 Lexington avenue, Jersey City, N. J.

SITUATION wanted as head gardener to take charge of gentleman's country place; well posted in all details pertaining to management of first-class place. Scotch, 20 years' experience; married. Good references. Address W. D. Robertson, Centre Island, Oyster Bay, N. Y.

HEAD GARDENER—Position wanted on private place by thoroughly experienced Hollander, March 1 or before. Married, no family; A1 references. Only first-class place wanted. Please state salary. Address C., Great Barrington, Mass.

WANTED, position as manager, decorator or designer in first-class florist establishment; long experience and best of references; competent in every respect and perfectly sober. Speak three languages, English, German and French. Good salesman. State terms. Address F. I., care Florists' Exchange.

FRENCHMAN, 27, ten years' experience, two years in this country, understands outdoor work, limited knowledge of greenhouses; am ambitious to become head gardener, and therefore seek position in large place where I can take part at all inside work; want to learn forcing roses, carnations, etc.; also peaches and grapes. Good references. Address P. Boury, Mount Airy, Philadelphia, Pa.

SITUATION wanted by German florist, married, age 40, as manager or working foreman in a large commercial place; life experience growing roses, carnations, violets, potted plants and general stock. A good salesman; 18 years' experience in this country and well known with the trade. Exceptionally sober, competent and reliable. Want to make change by February 15. Very best of references. State particulars and wages. Address Florist, Lock Box 11, Monticello, N. Y.

HELP WANTED

WANTED, good all-around married man, under glass, well up in growing ferns, wages $45.00 per month and house. Geo. Stewart, Tuxedo, N. Y.

WANTED, young or middle-aged man of good habits to assist and take care of commercial greenhouses. Give references and amount of wages wanted besides board and lodging. Th. F. van der Meulen, Dunkirk, N. Y.

WANTED, working foreman to take charge of commercial place; one who understands growing carnations and violets, and can make up funeral and wedding pieces. Single man. Address F. B. Abrams, Blue Point, N. Y.

Mention the Florists' Exchange when writing.

WANTED, bookkeeper, stenographer and typewriter for nursery office; on or about March 1. State experience and salary wanted. Address Bloodgood Nurseries, Flushing, N. Y.

WANTED, an experienced man to go on the road for an American house importing Dutch bulbs. State experience and whether salary or commission. Address F. N., care Florists' Exchange.

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WANTED, working foreman on commercial place; hardy roses, carnations and chrysanthemums. German married man preferred. Address or call Weigand Bros., Paterson and Nelson Aves., West Hoboken, N. J.

WANTED—Good salesman for nursery stock; must understand the business and have a good record as salesman in this line. Will pay salary and expenses according to ability. Address Keene & Foulk, Bloodgood Nurseries, Flushing, N. Y.

WANTED, young man with some experience in greenhouse work, as assistant on commercial place; must be strictly sober and willing to learn. Send references and state wages with board. J. F. Barclay, 112-120 Park Ave., Herkimer, N. Y.

WANTED at once, an assistant for commercial place, 50 miles from New York. Must be sober, honest and a good worker; one with some experience preferred. Address, with reference, stating wages expected, G. I., care Florists' Exchange.

TWELVE DOLLARS per week and room to good plantsman; palms, ferns, Easter stock and chrysanthemums; capable of taking full charge of his section and help. Must be of good habits. Send references to J. Louis Loose, Washington, D. C.

WANTED at once, good all-around man in store and greenhouse work; retail place. Must be sober, reliable and willing to work. Steady employment. Six dollars per week, board or without board. J. J. Brozat, 592 Central avenue, Newark, N. J.

WANTED, by March, sober, experienced, practical landscape gardener; one who understands handling men; must be a worker. Steady place for the right man. References required as to ability. State wages. Address W. G. Eisele, West End, N. J.

WANTED, a young or middle-aged man of first-class ability and correct habits, as foreman in commercial nursery. One who thoroughly understands general nursery work. American preferred. Address, stating wages and previous experience, C. B., care Florists' Exchange.

WANTED AT ONCE, an all-around florist, understanding propagating of bedding plants, carnations, violets and general stock; must be active and sober. Starting salary $25.00 per month, with room and board. Apply with references, K. D. L. Niven, Monticello, N. Y.

WANTED, a good practical florist, married or single, on commercial place near Philadelphia; must be thoroughly experienced in the growing of general line of cut flowers and plants and furnish good reference as to character and ability. Address, with particulars, G. G., care Florists' Exchange.

WANTED, a grower of roses, including American Beauty, one who has unquestioned reputation and endorsements, to take charge of a new range of glass (100,000 sq. ft.) near Boston. A first-class opening for the right man. All applications will be treated in strict confidence. G. H., care Florists' Exchange.

WANTED at once, working foreman on commercial place. One who understands growing carnations, chrysanthemums, Easter and bedding stock; none but those with best of references as to ability and character need apply. Wages $50 to $60 a month, according to ability shown. Call on A. N. Towell, 1893 Amsterdam Ave., New York.

WANTED, by March 15, sober, industrious man, who understands growing ferns from seed; also filling dishes. No one else need apply. State wages expected. Also want at once good all-around man with correct habits; one who understands watering; must be a good potter; steady work. Address A. Leuthy, Florist, Perkins St., Rosindale, Boston, Moss.

$75.00 per month will be paid for a competent and successful propagator, especially of clematis, roses and soft wood shrubbery.

Also same wages to a man who has had long experience in grading nursery stock, filling orders and packing. Must be a No. 1 budder and grafter and with some experience in making soft wood shrub cuttings. Reasonable advance over these wages after ability is demonstrated. First-class commercial place.

Address F. G., care Florists' Exchange.

WANTED.

Stenographer, Typewriter and Assistant Bookkeeper.

Must be efficient and familiar with the seed, bulb and plant business. Female preferred. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

Packer and Shipping Clerk

Must have knowledge of Seed and Bulb business. Reply, with references,

Clucas & Boddington Co., 812 Greenwich St., New York City.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED.

SEEDSMAN

Experienced in this country and Europe. A good, permanent position for the right man who has tact and energy. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED

Experienced rose grower, section man; only first-class man wanted.

Wages $12.00. Address with references,

ROSE GROWER

Welch Bros., 15 Province St., Boston, Mass.

BUSINESS OPPORTUNITIES

FOR SALE, 5½ acres of fine land, with good buildings, etc., in a thriving village. Francis Brill, Hempstead, L. I., N. Y.

FOR SALE, new twelve-room residence, windmill, water tank, hothouse, barn and 14 lots; 30 minutes out; near station. Cheap. Call or address Thomsen, 231 Central Ave., Jersey City Heights, N. J.

FOR SALE OR RENT, first-class retail business, well established trade; store and greenhouses. Situated at one of the leading seaside resorts. For particulars inquire from S. S. Pennock, 1612 Ludlow street, Philadelphia.

FOR SALE—Well-paying florist establishment, at Grand View on Hudson, N. Y.; greenhouses and residence, several acres of land; well stocked; hot water heating; everything in fine condition. Address E. H., care Florists' Exchange.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred. Parties who could run wholesale store would find it advantageous. Two or three might join; business is large enough. Terms easy. Address Mulford, Jefferson Park, Chicago, Ill.

FOR SALE—On easy terms, one of the best florist businesses in Northern New York; about 50,000 feet of glass; fine stock for wholesale and retail; 25,000 inhabitants and large surrounding territory; reason for selling, poor health. J. F. Greene, 110 Flower Ave. E., Watertown, N. Y.

FOR SALE, greenhouses, stock, and fixtures, invoiced $2,250.00. Good retail cut flower and funeral trade. Population 16,000. No competition. One of the oldest towns in Colorado. Coal enough to run all Winter; trade increasing. $1,500 cash takes it if bought at once. Good reasons for selling. Address F. A., care Florists' Exchange.

FOR SALE, a most desirable property consisting of two separate buildings, thoroughly equipped for floral culture. Also beautiful residence, and lot 200 feet front by 1000 feet deep. The entire property remodeled two years ago. Situated on Wethersfield Avenue, about 1½ miles from the center of the city of Hartford, Conn. Enquire of Thos. H. Bissell, 95 Ann St., Hartford, Conn.

FOR SALE—Old established florist business, 4⅛ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FOR SALE—Greenhouse plant within three miles of Chicago city limits; less than one-half mile from R. R. depot; 38,000 feet of glass; four acres of land; fully equipped; steam heated; well stocked. Growing fancy carnations and roses; half acre planted to peonies. Good wholesale trade, established direct with A1 retail florists within 300 miles of Chicago. Owner engaged in another business which forces him to move from city. Easy terms to responsible parties. For further particulars, apply to Box 1134, Milwaukee, Wis.

ENGLEWOOD, N. J.

FOR SALE

Three Large Greenhouses, 7-Rorm Cottage, Stable, Carriage Shed,

grounds 150 x 150. Whole property for **$7,000.**

H. WEATHERBY & CO., Englewood, N. J.

MISCELLANEOUS WANTS

WANTED to rent, with privilege of buying, about 15,000 feet of glass; must be in good condition suitable to grow good carnations. Address G. K., care Florists' Exchange.

WANTED, a good second-hand modern metal construction greenhouse with heating appliances, for cash f. o. b. steamer New York, Philadelphia or Baltimore Md. Size, 20 x 100 feet. A. W. Smith, Americus, Ga.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED to lease or buy, from 10,000 to 20,000 feet of good glass for rose growing, near Philadelphia. Wm. A. Leonard, Model Farm Greenhouses, Philadelphia, Pa.

WANTED, to buy or lease 10,000 to 20,000 feet of modern glass in good condition, suitable for growing carnations; must be near Boston. Want possession in June. Address, stating price and full particulars, Box 94, West Boylston, Mass.

STOCK WANTED—Grower of ability, financially embarrassed through sickness and death and loss of all stock by freezing through lack of coal supply, and having long lease, would like to correspond with someone willing to supply all or part of 6000 carnation cuttings, payment to be made during chrysanthemum season. Could also use 5000 2-in. bedding geraniums, other than white. Security given. Address G. F., care Florists' Exchange.

WANTED

5,000 Boston Ferns

State how many you can offer, size and price.

JOHN SCOTT, Keap St. Greenhouses.
Brooklyn, N. Y.

WANTED

CARNATION CUTTINGS, without roots; state kind and price per 1000.

Also **Alternantheras Paronychioides Major.** Address

JOHN BURFEIND, 260 West 120th Street, New York

Mention the Florists' Exchange when writing.

Greenhouses WANTED

Wanted to buy or lease a large commercial place suitable for growing Roses and Carnations for the New York market. Small places not wanted. Must be in good condition. Give full particulars and price to

RESPONSIBLE,
Care Florists' Exchange.

Mention the Florists' Exchange when writing.

WANTED

A FEW SPECIMEN

ORANGE TREES

Tub-grown, five to seven feet high.

Address, stating price, to

ALEX. McCONNELL,

546 Fifth Avenue, New York City.

Mention the Florists' Exchange when writing

Bargains in Greenhouse Material

One Rider Hot Air Pump No. 8; used by the Government one year. If taken within one week, before we move it from where it now stands, $75.00.

One Hitchings No. 16 Boiler; price $50.00.

One Scollay No. 5 Boiler; price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6; price $1.65. Cypress, $1.75, painted.

Glass 10 x 32, 10 x 12; new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box.

Shovels, spades, axes, etc., $5.00 per doz. Will assort if wanted. Also second-hand plumbing tools.

Second-hand seasoned lumber at all times.

A limited job lot quantity of new 10-ply hose ¾-in.; price, while it lasts, 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money, send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1-in., 3¼c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., **New York**

Mention the Florists' Exchange when writing.

LILLIAN POND

THE grand new white Carnation. Far ahead of any white yet introduced. Large, heavily built flowers, very fragrant and an exceptionally good keeper.

It has given us thus far this Winter more flowers to the plant than White Cloud or Queen Louise and is bringing, in the Boston wholesale market, $5.00 and $6.00 per 100.

An early and continuous bloomer, strong grower, and lifts well from the field.

We shall show at the Brooklyn Meeting only average-sized flowers the same as we are picking and shipping every day and such as any grower will be able to produce with ordinary care. We have put this variety under no special teatment for this occasion.

Our large stock of 24,000 plants enables us to send out nothing but strong healthy cuttings.

All orders filled at short notice.

PRICES: 12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1,000, $75.00

S. J. REUTER, WESTERLY, R. I.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

Murphy's White Carnation

is proving itself a paying commercial white. It was in full crop for the Holidays. Has been in continuous crop since August. We do not claim a Fancy, but the best paying White on our market to-day, as a keeper, as a producer, seller and shipper. It is all we claim for it. We are booking orders now for February 1st to 15th delivery. First-class cuttings and satisfaction guaranteed, or money refunded. Place your order with S. S. Skidelsky, traveling salesman, or J. Gammage & Sons, London, Ont., Canadian agents, or send direct. $6.00 per 100; $50.00 per 1000; $45.00 per 1000 in 5000 lots; $40.00 per 1000 in 10,000 lots.

Wm. Murphy, Wholesale Carnation Grower
130 E. Third St., Cincinnati, Ohio

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD
North Abington, Mass.

Mention the Florists' Exchange when writing.

Carnations and Roses

Rooted Cuttings from Sand now Ready.

	Per 100
NORWAY	$2.00
LORNA	2.50
WM. SCOTT	1.50
THE MARQUIS	1.50
MORNING GLORY	1.50

If from soil add 25 per cent. to quotation.

ROSES

BRIDE, from 2½ in. pots	3.00
BRIDESMAID, from 2½ in. pots	3.00

A. L. THORNE, Flushing, L. I.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Now Ready		Per 1000
Morning Glory	at	$15.00
Cressbrook	"	35.00
Ethel Crocker	"	10.00
Late February and March Delivery		
Queen Louise	at	$15.00
Alba	"	35.00
Her Majesty	"	75.00
Prosperity	"	20.00
Roosevelt	"	15.00
Gaiety	"	20.00
Dorothy	"	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

Mention the Florists' Exchange when writing.

Carnation Cuttings

Well rooted. Now ready for immediate delivery.

	Per 100	Per 1000
Cressbrook	$4.50	$40.00
Queen Louise	3.00	25.00
Roosevelt	3.50	30.00
Palmer	5.00	45.00
Higinbotham	6.00	50.00
Prosperity	3.50	30 00
Morning Glory	2.00	15.00

Liberal discount on large orders.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS FINE HEALTHY ROOTED CUTTINGS

	Per 100	per 1000
MRS. T. W. LAWSON	$3 00	$25 00
HILL SPORT	2 00	17 50
G. H. CRANE	2 00	17 50
GOV ROOSEVELT	2 00	27 50
NORWAY	2 00	17 50
QUEEN LOUISE	2 00	
PROSPERITY	3 00	
MRS. BRADT	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing.

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod **The Former,** sent out Spring of 1902, has proved **Without an Equal as a High-grade Commercial Variety. The Latter,** sent out in 1901 in limited quantity, is to-day **The Standard** every-day commercial **White on the Boston Market** A marvel for early, free, and continuous blooming **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$45.00
"BOSTON MARKET"	5.00	40.00

Both will be on Exhibition at Brooklyn, February 19 and 20.

PETER FISHER, Ellis, Mass.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

NEW PINK CARNATION $UCCE$$

As a Money Maker. A King Among Carnations.

A five years test with a steady improvement every succeeding season is a record that stamps "**Success**" as one of the very best and most promising commercial pinks to date. Not a fancy loafer, but a worker a hustler—producing the year round tremendous crops of fine large flowers of the shade of La France rose. Send for descriptive circular.

Rooted cuttings—$1.50 per doz.; $2.50 per 25; $8.00 per 100, $70.00 per 1000. Only 6,000 more for February delivery. For sale by

HENRY F. MICHELL, Philadelphia, Pa.
J. GAMMAGE & SON, London, Ont., Can.
JOHN G. SHOLL, Dept. C., Burlington, N.J.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$3 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Estella	3 00	Mrs. F. Joost	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

NEW CARNATIONS

LOWNDES, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS. We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties, now ready.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5 00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100	PINK	Per 100	CRIMSON	Per 100
Queen Louise	$2 00	Floriana	$2 00	Harry Fenn	$5 00
Lorna	2 50	Mrs. Higinbotham	5 00	Gov. Roosevelt	2 50
Norway	2 00	Cressbrook	4 00	Gen. Maceo	1 50
Goodenough	2 00	Mrs. G. A. Milson	4 00		
Hoosier Maid	2 00	Mrs. Thos. Lawson	3 00	YELLOW	
White Cloud	1 50	Dorothy	2 00	Buttercup	3 00
Flora Hill	1 50	Irene	2 00	Gold Nugget	2 00
RED		Sunbeam	2 50	Eldorado	1 25
Mrs. Potter Palmer	4 00	Morning Glory	1 50		
J. H. Manley	5 00	The Marquis	1 25	VARIFGATED	
Oriole	4 00	Genevieve Lord	1 25	Dorothy Whitney	6 00
G. H. Crane	2 00	Mrs. F. Joost	1 25	Prosperity	2 50
Jubilee	1 50	Daybreak	1 25	Mrs. G M. Bradt	3 00
Portia	1 25	Wm. Scott	1 25	Armazindy	1 25
		Ethel Crocker	1 25		

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. **Send For Catalogue.**

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80 00	Mra. Lawson	$2.00	$12.50
Flora Hill	1.50	10.00	America	1.50	10.00
White Cloud	1.50	10.00	Marquis	1 50	10.00
Norway	1 50	12.50	Elma	1.50	10.00
Queen Louise	2.50	20.00	Mrs. Potter Palmer	3.00	25.00
Prosperity	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Kaiserin	$3.50	$30.00	Bride	$3.00	$25.00
Ivory	4.00	35.00	Bridesmaid	3.00	25.00
			Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

Lawson Rooted Cuttings

Fine stock raised where the Lawson is at home, $2.50 per 100; $20.00 per 1000. ☞Cash with order.

LAWRENCE COTTER, Galvin's Conservatories, NEW DORCHESTER, MASS.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.	Per 100	Per 1000	Pink.	Per 100	Per 1000
Alba,	$6.00	$50.00	Enchantress,	$12.00	
Wolcott,	5.00	45.00	Nelson,	6.00	$50.00
Lorna,	2.50	20.00	Cressbrook,	4.00	35.00
Norway,	2.00	17.50	Dorothy,	2.00	17.50
Glacier,	2.00	17.50	Mrs. Lawson,	2.00	17.50
White Cloud,	1.50	12.00	Elma,	2.00	17.50
			Morning Glory,	2.00	17.50
Red.	Per 100	Per 1000	Mrs. Joost,	1.50	12.00
Adonis,	$14.00		The Marquis,	1.50	12.00
Apollo,	6.00	$50.00	Triumph,	1.00	8.00
Estelle,	5.00	45.00	Variegated.	Per 100	Per 1000
G. H. Crane,	2.00	17.50	Gaiety,	$4.00	$35.00
Gen. Gomez,	2.00	17.50	Stella,	5.00	45.00
Gen. Maceo,	2.00	17.50	Prosperity,	3.00	25.00
Roosevelt,	2.00	17.50			

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection..........$2.00 per 100; $15.00 per 1000
Strong pot plants....... 3.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud................$8.00 per 100

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

	100		100
Alphonse Bouvier	$3.00	J. C. Cabos	$3.00
Austria	2.50	J. C. Vaughan	3.00
Chicago	3.00	John White	2.50
Comte de Bouchard	3.00	Mlle. Berat	3.00
Creole	2.50	Manda's Ideal	2.50
Chas. Henderson	2.50	Oriole	2.50
Dyon Jo Sisley	3.00	Pierson's Premium	3.00
Eldorado	3.00	Paul Bruant	2.50
Egandale	3.00	Paul Marquant	2.50
F. R. Pierson	3.00	Queen Charlotte	3.00
Florence Vaughan	3.00	Sec. Chabanne	3.00
Italia	2.50	Thos. S. Ware	2.50

CHRYSANTHEMUMS.

Varieties and Prices on Application.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

The Largest, the Brightest, the Freest Scarlet

CARNATION

CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

WILLIAM HOFFMAN, PAWTUCKET, R. I.

Mention the Florists' Exchange when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing.

NEW
Fancy Carnation

"TIGER"

Orange, striped pink; 2½-3½ inches; calyx strong; fine stem. Six blooms for 50 cents, prepaid. **"A Beautiful Flower,"** says Mr. Horace McFarland. **Don't miss it.** We have grown it for five years. Ready for immediate delivery, 12 for $1.50, $10.00 per 100, $75.00 per 1,000.

ENCHANTRESS, for immediate delivery, $3.00 per doz., $12.00 per 100.

MRS. LAWSON, for immediate delivery, $3.00 per 100.

All cuttings are guaranteed healthy and heavily rooted, or money refunded.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 50	$30 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Cressbrook	$4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	$25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1 25	10.00
Daybreak	1.50	12.50
Morning Glory	2 00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates. Cash with order please.

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS NOW READY

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
E. A. Nelson
Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen
Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella
Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney
Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

Mention the Florists' Exchange when writing.

LILLIAN POND

The Best Selling White on the Market To-day.

Very free and continuous. Fine form and very large. During the Chrysanthemum glut in Boston, the flowers sold for $3.00 per 100 in the wholesale market. Prices—12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1000, $75.00.

Orders Booked Now for February Delivery.

S. J. REUTER, - - Westerly, R. I.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2 50	**Bride**	$1.50	**Meteor**	$1.50
Perle	2.50	**Bridesmaid**	1.50	**Golden Gate**	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	**Mrs. Lawson**	$2.00	**G. H. Crane**	$2.00
Flora Hill	1.50	**The Marquis**	1.50	**America**	1.50
Gov. Wolcott	5.00	**Cressbrook**	4.00	**Adonis**	14.00
White Bradt	12.00	**Floriana**	4.00		
Norway	2.00	**Enchantress**	12.00		
Lillian Pond	10.00	**Morning Glory**	2.00		
		STRIPED.		MAROON.	
		Gaiety	4.00	**Gen. Maceo**	1.50
		Prosperity	3.00	**Roosevelt**	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

PRICE LIST OF NEW VARIETIES—ROOTED CUTTINGS

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Gov. Lowndes, white	12 00	100 00
Pres. McKinley, cerise	12 00	100 00
Murphy's White	6 00	50 00
Lillian Pond, white	10 00	75 00
Penelope, white	5 00	40 00
Sibyl, cerise	12 00	100 00

STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, large, beautiful, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson, a winner	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	40 00
Queen Louise, white, very free	3 00	25 00
Lorna, large and one of the best white.	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, largest scarlet, now taking the front rank	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00
Lawson, pink	3 00	25 00
Bon Homme, freest white, best and strongest stem	2 00	15 00
Dorothy, pink, very free	3 00	25 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

---

HEAVY ROOTED CARNATIONS

The same as the 327,525 already shipped, and not one single kick

	Per 100	Per 1000
9,000 Gov. Roosevelt	$1 00	$10 00
10,000 Norway	1 00	10 00
8,000 Genevieve Lord	1 00	10 00
3,000 Egypt	1 00	10 00
4,000 Portia	1 00	10 00
11,000 Eldorado	1 00	10 00
9,000 Mrs. Joost	1 00	10 00
20,000 Mermaid, fine	1 00	10 00
12,000 Argyle	1 00	10 00
8,000 Tidal Wave	1 00	10 00

Express prepaid at above prices. Net Spot Cash.

CALIFORNIA CARNATION CO., Lock Box 103, **LOOMIS, CAL.**

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil

$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	**Nelson**	$5 00	$40 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	4 00	35 00	**Chicago (Red Bradt)**	2 00	15 00
G. H. Crane	1 50	12 50			

WHITE.

Flora Hill	1 50	12 50	**Murphy's White**	6 00	50 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Hoosier Maid**	1 25	10 00

VARIEGATED.

Mrs. G. M. Bradt ...... $2.00 per 100; $15.00 per 1000.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	**Bride**	$3.00	$25.00
Liberty	8.00	75.00	**Golden Gate**	3.00	25.00
Kaiserin	4.00	35.00	**Perle**	3.00	25.00
Bridesmaid	3.00	25.00	**Ivory**	4 00	35 00
			Sunrise	7 00	65 00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50	**Sunrise**	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.

2, 4, 6 and 8 Duane St. New York.

P. O. Box 1697. Telephone 3765 John.

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For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

FIRMS WHO ARE BUILDING.

NEW LONDON, CONN.—Lord & Burham Company will build for Morton F. Plant eight greenhouses with potting rooms and office.

SEATTLE, WASH.—Alfred Peterson will erect six greenhouses at 7014 North Fiftieth street.

The Lord & Burnham Co., Irvington, N. Y., and New York City, have contracted for the erection of new greenhouses for the following firms: Louis C. Pilat, Ossining, N. Y.; Mulroy Brothers, Rhinebeck, N. Y.; Chas. Buenning and Horn Brothers, Allentown, Pa.; W. L. Lewis, Marlboro, Mass.; John Burton, Philadelphia, Pa.; the Philadelphia Carnation Company, Philadelphia, Pa.; A. Fahrenwold, Roslyn, Pa.; C. Backer, Boston, Mass.; George H. Arnold, Bainbridge, Mass.; Edwin Gould, Jekyll Island, Ga.

Carnation Number.

The Florists' Exchange will, as usual, publish a complete report of the convention and exhibition of the American Carnation Society, which this year will be held in Brooklyn, N. Y., February 19 and 20. This full report will appear in next week's issue.

On account of the great interest always taken in this report, that issue will be an extra valuable one in which to advertise.

"Copy" must be in hand not later than February 19. No increase in advertising rates.

The Florists' Exchange,
Nos. 2 to 8 Duane Street,
P. O. Box 1697. New York.

COLORADO SPRINGS, COL.—The Broadmoor Floral Company announce that the consolidation which existed between the Broadmoor Floral Company and the Farm Greenhouses has been dissolved by mutual consent. The Broadmood Floral Company has again resumed business at the old stand, Broadmoor.

THIS WEEK'S SUPPLEMENT.

Acer Pseudo-Platanus.

Among planters the family of maples occupies a very prominent place, as it contains so many useful species. In nurseries the demand for maples is a continuous one, more of them being disposed of than of any other genus of trees. The taste for the different species varies. Time was when the A. pseudo-platanus, the European sycamore, was the most largely planted; then the sugar maple had its turn, while at the present time the Norway maple is the favorite.

The one we illustrate, A. pseudo-platanus, goes under the common name of sycamore maple. As usually seen, it has a broader spread than the one pictured; very much broader-topped when standing by itself, clear of other trees. As the picture shows, it is a grand shade tree, and really deserves more planting than it receives to-day. The Norway maple seems to have supplanted it to a great extent. What is considered by many an objection to the sycamore maple, is the persistency of the seeds on the tree all Winter. These seeds are in clusters, twenty-five or more in a bunch, and these clusters are rarely shed before Spring. When trees are young and growing vigorously few seeds are produced, but with age seeding is more pronounced.

The tree the photograph represents is one of many fine ones on the estate of the late William Walter Phelps, Esq., Teaneck, N. J. It is about 35 feet in height, and has been planted almost 30 years.

Like almost all maples, the sycamore has clean, smooth bark, and it is certainly nicely fitted for situations such as the one illustrated occupies.

In our own country the sycamore maple has a close representative in the Oregon species, A. macrophyllum. It has the same large leaves, larger, indeed, the same clusters of seeds, and much of the general habit of growth, being of a more round-headed outline—much more so than is the A. pseudo-platanus in the picture before us.

There are certain trees that prefer Spring planting, but the maples may be set either in Spring or Autumn.

JOSEPH MEEHAN.

AMERICAN CARNATION SOCIETY.

Varieties Registered.

PEERLESS.—Color, a most pleasing light pink, one shade lighter than that of The Marquis. Blooms measure never less than 3½ inches, and when fully developed 4½ inches in diameter; borne on long, stiff stems from 30 to 32 inches, holding the flower perfectly erect, of ideal form and substance. An exceptionally strong and healthy grower, and a splendid keeper.

ALBERT M. HERR, Secretary.

The American Carnation Society.

This year the American Carnation Society will hold its exhibition and meeting as an incorporated body. The show will take place in the Art Rooms, 174 Montague street, February 19 and 20, and the convention will assemble in the Germania Club, 120 Schermerhorn street, Brooklyn, N. Y., on Thursday evening, February 19, 1903.

It may be well to state the arrangements relative to admission to the exhibition made with the Brooklyn Institute of Arts and Sciences, under the auspices of the botanical section of which the show will take place.

On Thursday forenoon it is probable that most of the time will be occupied in staging the exhibits. On the afternoon of that day the members of the American Carnation Society and the trade generally will have the opportunity of viewing the display, the evening of Thursday being given up entirely to the members and friends of the Brooklyn Institute, who have decided to make a social full-dress function of the affair. This fact will also tend to stricter attention being given to the business meeting of the Carnation Society, which begins at 6 p. m. on Thursday, February 19.

On Friday, February 20, the exhibition will be open free to the general public. On the forenoon of that day, also, any unfinished business carried over from the previous evening will be disposed of.

As has been previously announced, no essays or papers will be read before the Society this year. It is expected that matters pertaining to the incorporation of the association, the formulation of a constitution and by-laws, and kindred subjects will consume most of the time of the session; and any special information desired on any particular subject can be secured through the medium of the Question Box.

A lecture on "The Carnation," illustrated by stereopticon views, many of them in color, will be delivered by President C. W. Ward, before the members of the Brooklyn Institute, on Wednesday evening, February 18, at 8:15 o'clock, in Association Hall, 502 Fulton street, Brooklyn. Delegates and others in the trade desiring to attend that lecture will secure tickets of admission in the building named.

Then, on Friday evening, February 20, at 7 o'clock, will occur the banquet to be tendered the visiting members of The American Carnation Society by the Brooklyn Horticultural Society, a body composed of Brooklyn and Long Island florists, who have carried out the preparatory work consequent upon the forthcoming meeting and exhibition. At this banquet ex-Lieutenant-Governor Timothy L. Woodruff, a resident of Brooklyn, will preside and officiate as toastmaster, and among the speakers will be gentlemen prominent in civic circles, as well as some well-known members of the trade, whose oratorical efforts have proved so acceptably enjoyable on previous similar occasions.

It may be well to remind intending exhibitors that all exhibits should be addressed to "William Plumb, Manager Carnation Exhibition, Art Gallery, 174 Montague street, Brooklyn, N. Y." Express charges on all exhibits must be prepaid.

Special tables will be provided for exhibits not intended for competition. New varieties may be displayed without charge by members of the Society. Non-members may exhibit varieties of their own origination by payment of an entrance fee of $2.00.

A very enticing list of premiums has been prepared, and all indications point to the best exhibition ever given by the American Carnation Society, which is saying a good deal.

The brethren in Brooklyn will make it as pleasant as possible for the delegates during their stay in the City of Churches, and expect to be the hosts of a large number at the banquet.

As to the next convention city, it is a foregone conclusion that Detroit will be chosen, as it deserves to be, having in mind the generous action of its delegates last year, in foregoing their claims in favor of Brooklyn. The next president will, of course, come out of the West; and we hear a worthy representative of the carnation industry in that locality is being talked of for that high honor.

Carnation Society's Show.

With the annual exhibition at the meeting of the American Carnation Society in view, there are a few points I wish to bring to your attention. In the first place, it will pay you to be present, and it will be only doing right to become a member of the society and by doing so help financially and otherwise to forward the interests of the American carnation.

The work of the Society has been very creditable, and yet that work is but just begun. The Brooklyn florists, with the assistance of their brothers "across the bridge," will do all in their power to make the meeting a success; and the exhibition will be worth a long journey. Such a display of bloom should be an inspiration to all, and we shall go home with the feeling that the field is large and there is room at the top.

Because your flowers at home, in many cases, do not compare favorably with those you have seen, do not be discouraged, for the blooms shown at the exhibition will be the result of a great deal of attention; and remember that they are the choicest among thousands and that they represent the possibilities of the various varieties rather than the general run. We very rarely find the quality of these exhibition blooms on the counter at the store; this is but natural, for the production of commercial carnations, where quantity as well as quality is a consideration is decidedly different from "babying" a few specimen flowers. Let the exhibition be an inspiration rather than a discouragement.

What we shall see is a matter of conjecture in many cases, but we shall meet a grand collection and no doubt make many new acquaintances.

In conclusion, yet me request Messrs. Dailledouze not to bring in blooms over six and one-half inches in diameter, and ask Mr. Ward if he cannot, among his many grand specimens, show us a good commercial scarlet, something we can all grow for quantity as well as quality.

W. R. PIERSON.

The S. A. F. Peony Association and Its Critics.

The following communication has been forwarded to us:

Editor Florists' Exchange:

Regarding the point raised as to the exact wording of Mr. O'Mara's motion which was made to give force to President Burton's recommendation that "the committee should have power to add to its numbers where desirable and to raise funds for the furtherance of the work under the sanction of the executive officers of the Society," Mr. O'Mara writes from St. Augustine, Fla., where he has been for the past few weeks: "I have forgotten the exact wording of my motion, but my intent was to have it so phrased that the committee then appointed would have powers to take all the necessary steps to fully and adequately carry out the intent and purpose of President Burton's recommendation. Personally, I am for whatever best conserves the general welfare of the S. A. F., and I cannot see any reason why the policy and plan of the Peony Association will not do that. If the Association does nothing worse than develop the peony and incidentally get members for the S. A. F., it should have little to fear from the executive board of the Society, or from the Society in convention assembled."

The printed proceedings of the Society did not appear until some time about Thanksgiving, and the committee had organized a month before that on the president's plan. Whether the intent of Mr. O'Mara's motion got confused in passing through the medium of the stenographer and printer is a question; but in any event it can easily be rectified at the executive meeting or at the convention.

The committee and its associated members have every reason to feel gratified at the cordial support and encouragement extended to them from all parts of the country, and they are sure they will be able to give a good account of themselves in Milwaukee.

Meantime a cordial invitation is again extended to every S. A. F. member and every peony enthusiast to do what they can to forward the interests of the peony and the Society. Secretary Stewart, or the undersigned, will cheerfully enroll any member of the Society in the peony ranks, free of charge, and also any outsider; provided, of course, that they first join the S. A. F.

GEORGE C. WATSON,
Sec'y S. A. F. Peony Assn.

That Ex-President O'Mara's motion in reference to the creation of a peony committee is correctly reported by the stenographer, as well as correctly published in the official report of the Proceedings of the S. A. F. for 1902, we ourselves can vouch for. It makes no difference what the intent of the mover of that motion was.

The stenographic record of the Proceedings was in the hands of the secretary of the S. A. F. long before it materialized in printed form. Each individual member of the Peony Committee must have been notified of his appointment on that committee before any "organization" of the committee could have been effected, and the extent and nature of the work of that committee, if the secretary did his duty, must have been communicated to the members thereof. That work to be regular must of necessity be in accord with the terms of the motion voted upon and passed by the Society in convention assembled. Therefore, any irregularities, the result of that committee exceeding the powers conferred upon it, must be repudiated by the Society when that committee makes its report.

It makes no difference whether each and every individual member of the S. A. F. should endorse, join in, and be a party to the proceedings of the alleged "Peony Association"; still, beyond all dispute and cavil, the "committee of nine" appointed by President Burton, in compliance with the motion introduced by Mr. O'Mara, and correctly reported in the official minutes of the proceedings of the S. A. F. convention held at Asheville, N. C., in August, 1902, had its duty to perform as "a committee of nine," and it has no right or authority, implied or expressed, to do other than the work which the motion set forth it should do. There is nothing, in fact, written or implied, nor any precedent which can establish the legality of any such association as the alleged "Peony Association of the S. A. F." born out of the committee of nine appointed by President Burton.

At Milwaukee this committee must report as a committee of nine, be recognized as a committee of nine, and its duties discharged as a committee of nine.

Nothing more, nothing less, and in no other form and in no other guise will its report be accepted and received.

The members of the Society of American Florists, when they meet in convention at Milwaukee in August, 1903, will, we doubt not, view this whole matter in its proper light and dispose of it in the manner in which it deserves to be, and must be, disposed of, individual opinions and futile attempts at condonation of a high-handed and unwarranted action to the contrary notwithstanding.

American Peony Society.

A meeting of the American Peony Society will be held in the Art Rooms, 174 Montague street, Brooklyn, N. Y., on Wednesday afternoon, February 18, at 2 o'clock, to complete organization and take up for consideration other important matters. All those interested in the peony are cordially invited to attend this meeting.

ALEX. WALLACE,
Secretary, pro tem.

Pandanus Sanderi.

Pandanus Sanderi was awarded a silver medal by the Newport (R. I.) Horticultural Society on February 4. This is the highest award in the gift of the Society, the secretary of which writes Henry A. Dreer, Philadelphia, the exhibitor, to the effect that the award committee considered Pandanus Sanderi a great acquisition.

Obituary

Andrew Jepson.

Andrew Jepson, a florist of Westfield, N. J., died at his home on January 30, 1903. Deceased was born in Denmark on September 13, 1848, and came to this country in 1872. He entered the florist business in 1884, which he continued until the time of his death. He leaves a widow and three children, the oldest of which is 6 years old; also his aged mother, now over 80 years, who was his constant companion in his greenhouses.

Mr. Jepson had been in poor health for the past year and a half, but the immediate cause of death was heart failure.

BUSINESS DIFFICULTIES.

BOSTON.—M. B. Faxon, seedsman, filed a petition in bankruptcy February 12.

Contents.

PAGE
American Carnation Society........ 166
Show of.......................... 166
Varieties Registered.............. 166
American Peony Society........... 167
Asters 169
Begonia Gloire de Lorraine......... 168
Briefs for Busy Florists.......... 157
Canadian News..................... 171
Canna Mont Blanc (Illus.)......... 169
Catalogues Received............... 157
Caught on the Fly................. 179
Changes in Business............... 160
Coal Situation, The............... 167
Dahlias, Commercial Notes On..... 168
Fires 160
Hawarden Castle (Illus.).......... 168
Horticulture, Old and New, in Brooklyn, N. Y................ 172
Ivory Soap for Red Spider......... 169
Market, Review of the............. 170
New York Florists' Club........... 167
Nursery Department................ 158
OBITUARY:
Andrew Jepson..................... 167
Outdoor Work for Women........... 173
Pandanus Sanderi.................. 167
Question Box...................... 172
Seed Trade Report................. 156
S. A. F. Peony Association and Its Critics 166
Pot Holder, New Extension (Illus.). 173
TRADE NOTES:
New Bedford, Mass................. 157
Indianapolis, Tarrytown, N. Y., Chicago 159
Cleveland, Hartford, Conn., New York 170
Boston, Cincinnati, Denver, Philadelphia, Washington............... 171
Detroit, St. Louis................ 174
Worcester 176
Milwaukee, Orange, Poughkeepsie, St. Paul, Waseca.................. 177

New York Florists' Club.

The meeting on Monday evening, February 9, was rather sparsely attended. President Troy occupied the chair. Mr. Weathered reported the success of the annual dinner. Mr. Sheridan read resolutions of condolence on the death of Miss O'Mara, sister of ex-President O'Mara. He also explained in regard to express rates that Mr. May was preparing materials necessary to present the case to the representatives of the express companies, which would be done next month.

The treasurer intimated that a speedy clearing up of the Guarantee Fund matters would facilitate the paying of the premiums awarded at the last show.

Two new members were elected and one proposed.

Mr. O'Mara being absent, his motion to abolish what has been facetiously termed "the canteen," except on special occasions, was laid over. However, the feelings of several of the members on the subject were ventilated. John Birnie quoted from Solomon and Robert Burns in favor of the use of stimulants, and John Morris also tendered some fatherly advice on the desirability of sociability in the club, as well as in the home circle.

The club decided to have an outing to Witzel's Point Grove (the place where the last enjoyable similar affair was held) in the "good old Summer time," probably in the early part of July. A committee consisting of Wm. Elliott, John Birnie, Frank H. Traendly, D. Y. Mellis, H. A. Bunyard, S. S. Butterfield, and Jos. A. Manda, was appointed to make the necessary arrangements.

The president appointed Messrs. Butterfield, Stewart and Young as a committee to draw up resolutions on the death of Mrs. Hafner, mother of Lawrence Hafner.

President A. Herrington, of the Chrysanthemum Society of America, brought to the attention of the club the fact that that society would hold a show in conjunction with the American Institute of New York, in November, the date to be fixed later. He stated it was the desire of the society to have the finest exhibition of chrysanthemums ever given in this country, and to that end the co-operation of the various societies, such as the Morris County, Monmouth County, and Lawrence Cedarhurst, within easy distance of New York, had been solicited. It had been suggested, and in the case of the Tarrytown Horticultural Society the suggestion had been acted upon, that each local society offer prizes at the show, to be competed for by members of that particular society only. The Tarrytown Horticultural Society had offered premiums for 25 blooms in 25 varieties, for 12 blooms in 12 varieties, and Mr. Herrington thought it would be well for the other societies intending to co-operate to offer similar premiums, the object being that a sweepstake prize might be offered to be competed for by all of the societies. The subject was discussed by Messrs. Scott, Duckham, Butterfield, and others. A motion was passed that a committee be appointed to draw up classes with suggested amounts for prizes, and to present same at the next meeting. The president appointed on that committee: Wm. Duckham, John N May, and Eugene Dailledouze.

Mr. Morris called attention to a case of poisoning from Primula obconica, which had happened to himself, and asked for an antidote. Sugar of lead was recommended, as well as applications of hot water, as hot as could be endured, followed by an application of cold water.

INDEX OF ADVERTISERS

Allen J K 175
Amling E C 177
Anderson & Christensen 161
Andorra Nurseries .158
Archdeacon & Co...158
Aschmann G 161
Bader J 161
Baker W J 176
Barrows H H & Son 159
Bassett & Washburn 165
Bayersdorfer H & Co 180
Beach Jas E 164
Becker J 160
Beckert W C 154
Berckmans P J Co..158
Berger H H & Co...156
Bernheimer E 176
Berning H G 177
Blaauw J & Co.....158
Blue Hill Nurs 158
Bobbink & Atkins...153
Bock W A 160
Bonnot Bros 175
Boston Letter Co...178
Bradshaw & Hartman 175
Briarcliff G'houses..174
Bronner J. 159
Brown Bros Co.....158
Brown E C & Co...178
Brown P 157
Burfeind J 162
Burpee W A & Co.155
Bentzen Floral Co.....159
Beyer Bros 157
Caldwell, the Woodsman 174
Cal Carn Co......155-65
Canadian Advts 171
Carmody J D 178
Central Mich Nurs...157
Chicago Carn Co....165
Childs J L 155
Chinnick W J 158
Clucas & Boddington 153
Coldwell Lawn Mower Co 180
Conard & Jones Co..156
Connell Benj 157-60
Cottage Gardens ...164
Cotter L 164
Cowee A 155
Cowee W J 178
Cowen's N Sons ...178
Craig R & Son.. ..160
Crooke J J Co.....174
Crowl Fern Co 174
Cunningham J H ...157
Cushman Gladiolus Co 154
Cut Flower Ex......175
Darling C T 163
Davis A B & Son. .157
Deamud J B 177
Deming Co 178
Dietsch A & Co 180
Diller, Caskey & Co 179
Dillon J L....... ..164
Dillon G'house Mfg Co 180
Dingee & Conard Co.157
Dorner F & Sons Co.163
Dreer Hy A 159-61-78
Dumont & Co 176
East'n Chem Co....178
Eichholz H 164
Eisele C 180
Eisele J G 160
Elizabeth Nurs Co...155
Elliott W & Sons 154
Elliott W H.. .. .153
Emmans Geo M . 161
Endtz Van Nes & Co 158
Evenden Bros 164
Farquhar R & J Co 154
Felthousen J E.....157
F & F Nurseries ...158
Fick & Faber 163
Fisher P 163
Fillow & Banks 163
Foley Mfg Co.......179
Foster L H 160
Furtunes J 174
Gammage J & Sons.171
Garland G M 179
Ghormley W 175
Giblin & Co 178
Goodale B E 156
Greene & Underhill.157
Greenhouse Mfg Co.178
Gullett W H & Sons 160
Gunther W H......175
Guttman A G 175
Haerens Bros 160
Hammond B 178
Hammond J A 175
Harris C A & Co...160
Heacock Jos 160
Helios Upton Co....180
Heller & Co...... 154
Herr A M 157-63
Herr D K 157
Hermann A 180
Hession H 174
Hews A H & Co....178
Hicks & Crawbuck .175
Hill E G Co......177
Hilfinger Bros 178
Hill Top G'houses...157
Hippard E 179
Hitchings & Co.....180
Hoffman Wm 164
Holton & Hunkel Co 177
Horan E C 175
Hor'l Advertiser....178
Hughes G J 160
Hunt E H 177
Igo Bros 174
Jacobs S & Son....179
Jackson & Perkins Co 156-58
Jennings E B 157
Jessamine Gardens..158
Jewett City G'houses 174
Johnson & Stokes ..155
Jones H T 156
Joosten C H 160
Kasting W F 176
Kay Wm H 179
Kennell J F 156
Kimberly H . . 174
King Construction Co 180
Koster & Co........158
Kraft T 163
Kreshover L J ... 160
Kroeschel Bros Co ..179
Kruschka M H.....157
Lager & Hurrell ...161
Landreth D & Sons..155
Lang J 175
Langjahr A H 175
Leonhard T 174
Limbach C 180
Littlefield S ... .163
Little So Floral Co 164
Livingston Seed Co 178
Lockland Lumb Co..179
Long D B 178
Longsdorf C L 158
Lord & Burnham Co 179
Lovett J T 156
Mader P . 157
Manhattan Sup Co 162
Manger W & Sons 158
McFadden I C..... 161-74
McCarthy N F & Co 176
McKellar & Winterson 177
McManus J .... .175
Meehan C E 150
Meyer C F 160
Michell H F 155
Moninger J C Co ...179
Moon S C 156
Moon Wm H Co . .158
Moore, Hentz & Nash 175
Moore W J 176
Morel Bros 160
Moss G M 176
Mott Walter Sd Co 155
Muno J 177
Murphy Wm 163
[illegible] 156
Nat B'd of Trade . 178
[illegible] Co 160
N Y Cut Flow Co 175
Niessen L . 176
Ouwerkerk P 158
[illegible] S S 176
Perkins J J 175
Phila Market 174
Pierce F O Co 178
Pierson F R Co 153
Pierson-Sefton Co 180
Pinehurst Nurseries 158
Pittsbg Cut Flow Co 176
Pollworth C C Co 177
Quaker City Mch Co 178
Rawlings E I 157
Rawson W W & Co 154
Raynor J I 175
Reed & Keller 178
Reich V E 179
Reid Ed 176
Reinberg George 177
Reinberg Peter . 165
Repp John . 155
Reuter S J 164-65
Reynolds J L Co .178
Richards F W & Co 174
Riedel & Co . . 175
Ripperger Geo .. 178
Robinson H M & Co 174
Roemer F 156
Rupp J F 154
Salter W H 160
Saltford Geo 175
Sander F & Son....160
Schmidt J C 156
Schmitz F W O .. 155
Schultheis A 160
Scott J 160
Shellr'd G'houses .156
Shepherd Mrs T B Co. 154
Sheridan W F 175
Sholl J G 164
Slinn B S Jr 175
Smith C ... .175
Smith N & Son... 161
Smith Wm C 174
Smith W & T Co 158
[illegible]
Springfield Floral Co [illegible]
[illegible]
[illegible] A T Lumber Co 179
Stern J 178
Stoothoff H A Co [illegible]
Storrs & Harrison Co 160
Stoye & [illegible] 158
Stumpp & Walter Co 154-56
Styer J J [illegible]
Sutherland G A [illegible]
Swayne W 164
Syracuse Pottery Co 178
[illegible] J 164
[illegible] Wm 157
Thompson J D [illegible]
Thorburn J M & Co 154
[illegible]
Tobacco W & T Co 180
Traendly & Schenck 175
Utica Flora Co 174
Van Horne Griffen & Co 179
Van Lindley J 160
Vaughan's Sd Store 154-56
Vesey W J & M S 164
Vick's Jas Sons 155
Vincent R Jr & Son 158-59
Vlesveld G & Sons 156
Vreeland C D 160
Warburton C 163
Weber C S & Co .178
Weber H & Sons 161
Webster Bros 171
Weeber & Don 154
Welch Bros . 176
Weston H 160
Whilldin Pottery Co 178
Whitton & Sons 160
Wietor Bros . 164
Williams A W 160
Wittbold Geo Co 161
Wood Bros ... 164
Young J . ..175
Young & Nugent 175

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 160
Ageratum 157-60-64
Alpine Plants 158
Alyssum 154-57-60
Ampelopsis 155
Amygdalus 153
Antirrhinum 154
Araucaria 160-61
Asparagus ...153-54-55-57-60-61-64-80
Asters 154-55-56
Azaleas . ..155-58-60-61
Balsam ... .154
Begonias 153-54-55-57-60-61
Bougainvillea 160
Box 155-58
Browallia 154
Bulbs (not named) 153-56-77
Caladium 153-58
Calceolaria 160
Candytuft 154
Cannas 153-56-57-58-60-61-64
Carnations ...155-60-62-63-64-65-74
Celosia 154
Centaurea . 154-159
Chrysanthemums 157-62-64
Cinerarias .154-56-60-61
Citrus 158
Clematis 153-55-58-60-80
Cobea 154
Coleus 157-60
Conifers 158
Cosmos 154
Crotons 160
Cuphea 160
Cut Flowers 174-75-76-77
Cyclamen . 154-55-57-64
Dahlias . .153-55-56-57
Daisies . 154-55-56-57-64
Decorative Plants 160
Deutzia . . 155-80
Dielytra . 153-58
Dracaena ..154-60-61-80
Eschscholtzia 154
Evergreens 158
Farfugium . . 154
Fern Balls 153-55-56-61
Ferns 160-61-64-71-74
Feverfew 157
Ficus 158-59-60-61
Fuchsias 160
Gazanias 160
Genistas . .. .160
Geraniums 154-57-59-60-61-64
Gladioli .. 153-54-55-56
Gloxinias 153-55
Grevillea .. . 154
Heliotrope .154-57-60-64
Herbaceous Plants 155-58
Hunnemannia . 154
Hyacinths 153-55-60
Hydrangeas 158
Ipomoea 160-64
Iris 153
Ivy 153-54-61
Kin Kans 158
Lantana 160
Lemons 158
Lilacs 153-55-58
Lilies 153-55-58
Lobelia 154
Madeira Vines . . 153
Manetti Stocks . 153-60
Maples 158
Maurandya 154
Mignonette 154
Mimulus . ... .154
Miscellaneous Plants 159
Morning Glory 154
Nursery Stock ...155-58
Orange 158
Orchids 161
Palms 153-54-58-60-61-71
Pansy 154-55-57-60
Peonies 153-58
Petunia 154-57-60
Phlox 154-62
Phormium 154
Pilea 160
Primula 154-60-80
Privet 156-58
Pyrethrum 154
Rhododendron ...153-58
Romney 154
Roses 153-55-56-58-60-63-64-65
Salvia 154-55-60-64
Seeds (not named) 154-55-56-77
Selaginella 157
Shamrock 154
Shrubs 155-58
Small Fruits 158
Smilax 154-55-64-74
Spiraea 153-55-58
Staphylea . . .. .153
Stocks 154
Strobilanthes 160
Swainsona 157-60
Sweet Peas 154-55
Thunbergia 154
Trees 158
Tuberoses 153
Tulips 153-60
Vegetables .154-55-56-58
Verbena . . .154-57-64
Viburnum 153
Vincas 154-60
Vines 155
Violets 156-60
Wistaria 153

MISCELLANEOUS.

Auctioneers 176
Bamboo Canes . 156
Boilers .. 162-78-79-80
Books 160
Business Opps 162
Collections 178
Cut Flower Boxes .178
Decorative Greenery 174
Designs .. 176-77-78-80
Fertilizers . 154-78
Fittings . 179-80
Florists' Letters 176-78
Florists' Supplies 176-77-78-80
Flower Pots etc..176-78
For Sale 162
Galax 174
Glass . 178-79-80
Glazing Points .. .178
Greenhouse Bldg .179-80
Gutters 179
Hose . .. 179
Insecticides 154-78-80
Lawn Mowers 180
Lumber . . 178-79
Mastica . 178
Moss . .. 174
Mushroom Spawn 155-56
Newspapers .178
Painters' Supplies 180
Pipes, Joints & Valves 162-79
Printing . 178
Putty .. 178-79
Sash ... 179-80
Seed Cases ..154
Sprayers ..178
Stakes & Supports 163-79
Thermometers 180
Tile 180
Tinfoil . .174
Toothpicks 178
Ventilators . 178-79-80
Wants . .. .162
Wax Flowers & Designs 178

Begonia Gloire de Lorraine.

Paper read before the Montreal Gardeners' and Florists' Club by C. Craig, gardener to A. Joyce, Esq.

The floriferousness and fine color of this gem of Winter begonias make it a general favorite; but, unfortunately, as is generally the case, when we get an extra-good flowering plant, its cultivation is not properly understood. To be successful with the plant, it must be grown rapidly, sustaining no check at any period.

Sturdy and healthy cuttings are the first essentials to successful cultivation. Some growers use leaf cuttings, but my opinion is that they grow too slowly. I prefer the young growths that spring from the base of the old plants. The cuttings should be about two inches in length. The best time to take these cuttings is between the middle of March and the middle of April.

As cuttings taken from the flowering plants at this time of the year will greatly detract from the beautv of the specimens, it is a good plan to strike some cuttings in July or August, and grow them on in boxes or in a shallow bench. These will produce an abundant supply of excellent material at the desired period. If, however, the grower has no other resource than his flowering plants, he must cut down some of these about the beginning of February and keep them on the dry side until the desired cuttings spring from the base of the plants. In the cutting-down operation care must be taken to leave at least 5 inches of stem, for, when the plants are cut back harder, the roots suffer such a sever check that they can never recover, consequently the plant dies.

Clean the propagating bench thoroughly; put in fresh sand, and use every other precaution known to you to destroy any fungus that may be lurking around.

A good and regular bottom heat in the propagating bed is a necessity. When the plants are well rooted pot them into 2-inch pots, using a soil composed of sand and leaf manure. Place them in a warm and moist atmosphere. The next potting should be into 3-inch pots, using the same kind of compost. Syringe lightly on fine days and shut the house down early, as the heat of the sun is much more beneficial to the plants than artificial heat.

If a suitable greenhouse is not at the disposal of the grower, a hot bed sufficiently strong to keep the atmosphere warm and moist during the night will answer the purpose equally well.

When the plants are well rooted in 3-inch pots, plant them out in a shallow and well-drained bench. Syringe lightly twice a day to keep the atmosphere moist. The plants must be exposed to no sudden chills or rapid changes of temperature. At no period of their growth should they be exposed to the unopposed rays of the sun. If these directions have been followed, the plants will be ready to lift by the end of August. This operation is a delicate one and must be performed with great care. The plants should be lifted with as little disturbance of the roots as possible; potted into 7 or 8-inch pots, or half pots by preference, as this begonia has a tendency to root near the surface. Use a compost composed of one-half good fibrous loam, one-quarter rough leaf soil, one-eighth dry cow manure, and one-eighth coarse sand. Don't pot too firmly, as hard potting is often the cause of the stunted growth so commonly seen. See that the pots are thoroughly well drained.

After potting, plunge the pots to their rims in a gentle hot bed, and shade heavily for a few days to give the roots a chance to regain their activity.

Some growers pinch the tops out of the shoots in the belief that they will get bushy plants thereby; this is an operation I don't believe in. If the plants have been properly grown, they will break naturally and will be in no way benefited by pinching. A plant that does not break from the base is a poorly grown plant; it will be weak and spindly, and pinching will probably kill it. My advice is: Don't pinch such plants; dump them, and grow better ones next year.

Another method much practised, that I don't believe in, is that of putting several plants together in the same pot. For the florist this may answer; several indifferent plants put together will sometimes make a salable specimen. For the private gardener this is a very poor practice, and is conclusive evidence that his plants are of an inferior quality.

We hear lots of growers complain that their plants flower so much during the Summer that they make little growth, and many resort to pinching off the flowers, in the hope that they may start away stronger. If the plants are in good condition, very few flowers will appear during the growing season. When staking is required, small wire stakes are much preferable to the ugly wooden ones so often seen.

When the plants are well rooted in their flowering pots, feeding should begin. Contrary to the generally accepted theory, when I start to feed I keep it up regularly, using a very weak solution each time, and water the plants. When using cow manure or night soil, the water should not be higher colored than brandy; other fertilizers in a like proportion.

If at any time the grower finds his plants are not drying out as quickly as he considers necessary, a dose of weak lime water will be very beneficial. When the plants have attained their full growth, or the desired blooming period is reached, feeding should nearly cease; a small quantity at intervals to keep the foliage in good condition is all that will be required.

The use of fertilizers on plants in pots is a most important question, and one with which every young grower who ever expects to rise in his profession, must familiarize himself. The young gardener who has been fortunate enough to have had the facilities to study agricultural chemistry is incomparably better qualified to undertake the responsibilities of a position as head gardener, with credit both to himself and to his employer, than the young man who is contented with saying, "Oh! Mr. So and So says this compost or fertilizer is all right, and if it is all right for him, it's good enough for me."

I would again impress upon the young gardener the importance of this part of his work. He must recollect that no two species of plants require the same treatment. If he has not the advantages that accrue from a knowledge of agricultural chemistry, let him lose no time in making himself familiar with at least the rudiments of this science, and he will be in a position to act intelligently, when he discovers that some of the plants under his charge are lacking in one or more of the elements essential to successful cultivation.

HAWARDEN CASTLE, SEAT OF THE LATE HON. W. E. GLADSTONE.

Practical Pollenation.

A writer says, in an English Exchange: "I have adopted a method of economizing pollen, the ordinary camel's-hair brush being very wasteful. If a stick of sealing-wax be rubbed briskly on the coat sleeve, as for electrical experiment, and then presented to the flower, the pollen flies to it and adheres. Every particle can thus be utilized far more easily than with a brush."

Fumigating Sweet Peas.

It has been said that no plant growing under conditions and in surroundings just right for its well-being will ever be preyed upon by insects. This no doubt is true, but it must not be supposed that plants growing under glass and made to produce flowers at a time when the sun stands low and the days are short, could ever artificially be placed in a situation demanded by its real nature. If the grower had it in his power to adjust and regulate altitude of sun and length of day as readily as degree of temperature and moisture, or condition of soil and amount of air, he would probably have no trouble with insects, and gardening, freed of this burden, would at once become an occupation delightful to the extent of perfect bliss. But, as it is, all plants grown in a glasshouse will suffer from the attacks of insect enemies under certain conditions—and the sweet pea furnishes no exception to the rule. To simplify the manner of imparting information I shall confine myself to the sweet pea as representing a class of plants easily injured by fumigation.

On sweet peas sown in February in the greenhouse and making and completing their most vigorous growth at a time when the days are getting perceptibly longer, I have never had any insects of any kind. But those sown in the Fall and blooming in Midwinter are invariably attacked and often entirely ruined, if not seen to. The green fly in this case does the most harm, although the black fly and even the red spider are occasionally bad. The principal causes are: too dry an atmosphere, sudden cold draught or too great a difference between night and day temperature.

If the sweet peas are grown around posts or in isolated places in a greenhouse devoted to carnations or other stock they would then be subjected to the same regular tobacco fumigation that is applied to carnations as a precautionary measure. This, of course, would kill the lice or keep them away from the peas, also; but the fumes of the tobacco will shrivel the foliage, discolor the flowers and destroy their odor. This may in some measure be attributed to the circumstance that the tender growth and flowers of these plants are far up close to the glass, receiving in that position the fumes directly from the fire, and so heated that it would hurt any plant, when by cooling it gradually sinks down and fulfils its mission, doing then no harm to plants.

To prevent this "burning" of the sweet peas I have found a thorough sprinkling of the vines just before fumigating to answer best, if tobacco is used—and nothing else should be used where sweet peas are grown. For instance, the gas generated from cyanide of potassium used on some places for lice would bleach leaves and flowers of sweet peas if not sprinkled; and if wet, the gas would unite with the moisture, resulting in prussic acid, which would kill the plants. The process, as first described, is the safest and altogether the best. Should the vines be badly infested with lice, one mild dose at a time is not sufficient to kill them, and fumigating must be repeated the next day and not discontinued until upon close examination of the surface of the soil under the vines it is found that every aphis is dead.

I also advise instead of fumigation the application of strong tobacco tea, a decoction made by pouring boiling water on a sufficient quantity of tobacco to give a dark brown, almost black color, to the tea, after standing about ten minutes. It should then be strained through a cloth and applied at once, hot as it is, through a sprinkling can. Wherever and whenever I made use of this it killed the lice and did not do any harm to the plants, but rather appeared to act as a stimulant. Hot soapsuds used in a similar manner are also effective, but cannot be used on sweet peas when in bloom. Many other insecticides I have tried, none as simple or as good as those just recommended, and some seemed rather to aggravate than to relieve the trouble.

FRED. W. TIMME.

Commercial Notes on Dahlias.

The dahlia has become a popular flower, and for decorative effects it is one of the best on account of its endless variety of color. It is also useful as a cut flower, and in my trade I have calls for fancy, show, and cactus varieties, as well as for pompons. The cactus sorts are the most popular of all.

The dahlia should. have plenty of room to grow in order to produce best results. I plant them 4 x 6 feet and change the location every year, as I have plenty of ground; but in cities where space is limited, it is impossible to do this. In the latter case, however, if the soil be made rich it will help matters considerably.

Never plant two hills of the same variety in proximity. In my experience when this has been done I found one would produce nothing but poor flowers. For example, plant Duke of Fife, dark red, which throws a perfect bloom, then Mrs. W. E. Gladstone, a delicate pink, and both will come perfect. This may seem strange, but it has occurred often in my experience of thirty years with the dahlia.

A poor variety may be improved if planted alongside of a perfect sort. This is on account of fertilization by bees.

Most of my varieties are imported from Europe every year. I find there is quite a call for good reds. I never make a display for exhibition of under a thousand flowers. The stems should be cut of good length and the foliage should be left upon them, as they look better and the flowers keep longer. The blooms should be cut two days before they are fully open; then they will not shed their petals so soon.

In shipping dahlias always use paper boxes. Place a little wet moss on the bottom of the box, pack the flowers one layer above the other until the box is filled; sprinkling each layer in the process of packing.

Out of a very large collection I have found the following among the best show varieties: Mrs. Morgan, pale ground, tinted purple; William Powell, primrose, yellow large; Golden Gem, rich golden yellow, edged with chestnut; William Rawlings, rich crimson purple; Florence Tranter, blush white, edged rosy purple; Defiance, dark scarlet; Goldfinder, yellow, tipped red; Nugget, orange, tipped scarlet; Penelope, fawn, shaded amber, tinted yellow; J. Cocker, dark purple; Duke of Fife, cardinal red; Constancy, yellow, tinged red; Mrs. W. E. Gladstone, lovely blonde; John Wyatt, crimson scarlet; Mrs. Kendall, white ground, tipped purple; Eclipse, scarlet; John Walker, white; H. Weir, yellow, tinted pink; J. T. West, yellow, tipped purple; H. W. Ward, yellow ground, edged and shaded with crimson; R. Dean, deep purple; W. Jackson, rosy purple; Miss Fox, blush ground, edged lake; Mr. Chamberlain, deep maroon.

In the fancy class, the best I consider are: Comedian, orange ground, flaked crimson; Lottie Eckford, white, striped purple; F. Pearce, rose, striped crimson; M. Campbell, buff, or apricot, striped crimson; G. Barnes, lilac, striped with crimson; Magnet, lilac, striped purple; Stanley, yellow, striped scarlet; Peacock, purple, tipped white; General Grant, orange and chocolate striped; Miss Browning, yellow, tipped white; Goldsmith, yellow, striped crimson.

Among the best cactus sorts are: Mrs. G. Sloane, pinkish terra cotta; Cinderella, bright purple, velvety shade; Cyle, rich ruby red, pale at tip; Flossie, pale coral pink, tinted with primrose; Ensign, bright crimson or crimson lake; Captain Broad, bright crimson or scarlet; Countess of Lonsdale, rich salmon, apricot, carmine pink; Mrs. L. Seymour, golden yellow, shading to pale rose; Delicata, delicate pink; Island Queen, pale mauve; Fantasy, brick red, curious shape; Laverstock Beauty, soft red or vermilion; Night, dark maroon; Standard Bearer, bright fiery scarlet; M. Stredwich, rich velvety maroon.

A beautiful new cactus variety is Progenitor, crimson lake; the ends of the petals shaped like a stag's horn. A very good decorative variety is Grand Duke Alexis, white with lilac tips. Black Prince is one of the best of the darker kinds. W. H. TARBOX.

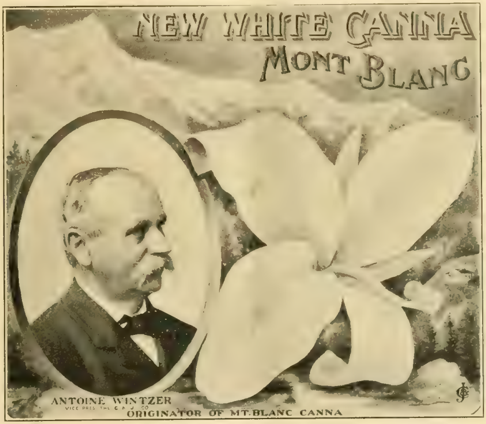
Conn.

Canna Mont Blanc.

We present herewith an illustration of the new white canna, Mont Blanc, with a portrait of Antoine Wintzer, of the firm of Conard & Jones, of West Grove, Pa., the originator. Mr. Wintzer describes the new canna as follows:

"This magnificent new canna is the result of eight years careful hybridizing, and is undoubtedly the finest white canna in existence to-day. Mont Blanc has a vigorous constitution and produces beautiful large spikes of lovely white flowers on strong branching stalks borne well above the foliage. It blooms early and continuously in the greatest profusion during the whole growing season until stopped by freezing weather. The foliage is bright glossy green, very large and handsome, and so thick and leathery that it is not often injured by rain or wind, while many of the weaker kinds are almost destroyed by Autumn storms. Mont Blanc is a strong, vigorous variety, producing fifteen to twenty flower stalks in season, and its great masses of snowy blossoms contrast so finely with the splendid crimson, pink and yellow varieties that it will be indispensable in all fine canna collections as soon as known and for many years to come."

Mr. Wintzer is also the originator of Buttercup, perhaps the finest pure yellow canna in cultivation. Also Philadelphia, Duke of Marlboro, Black Prince and other of the finest crimsons, now leading sorts. He has been equally fortunate with the highly valued pink varieties, and must also be credited with Maiden's Blush, Rosemawr, Martha Washington, Betsy Ross, etc. And later on Niagara, probably the grandest of all golden-edged cannas. Cherokee, a royal beauty, the most intense dazzling maroon ever seen. Queen of Holland, deep rich orange, the national color of Holland; Evolution, a wonderful combination of golden yellow, pink and rose, and many others almost equally beautiful, now catalogued by the leading houses in this country and Europe.



Asters.

Up to three or four years ago but very little business was done in cut flowers in Midsummer and early Autumn; the time from the first of July to the end of September being termed the "dead season" as far as that part of the florists' trade was concerned. This has changed greatly in the last few years; the dead season has become a very lively one, and the inevitable aster keeps grower, wholesaler and storeman busy indeed.

It is hard to say whether the increased demand for cut flowers at that time called out the aster to relieve the shortage of supply, or whether the aster created that demand; anyway, asters are raised and sold by the tens of thousands now, and at a time, too, when most of our best flower buyers are out of town, and those of the people not away have themselves front and back lots full of asters. The growing of some kinds of roses and carnations for Summer blooming as now practiced largely and which might reasonably be expected to lessen the demand for asters, has not had that effect.

Notwithstanding the fact that the aster as a cut flower is looked upon with derision and contempt in some quarters, as a source of profit the aster is not to be despised. However, the money which finds its way into the pocket of the aster grower is well earned nowadays. There was a time, and not long ago either, when it was no trick at all to obtain good seeds, raise a lot of sturdy plants, and have a field of fine asters. That is not so now. I know of no other plant, which in so short a time has been attacked by and been made a prey of fatal diseases and various insect enemies to such an extent as the aster. Many growers, after a hard fight for a year or two, have quit aster growing, while others, more patient and not so easily discouraged, have successfully overcome part or all of these troubles.

There are many points in favor of raising this flower. If well done, it meets a ready market and brings a fair price. The plant is very productive and the blooms last a long while after being cut and are produced at a time when returns without them would be meager, and when high-priced coal is not required to bring them out.

Of the different varieties of asters generally grown for their flowers, Queen of the Market is the earliest, and begins to bloom about the second week in July, after which come the following principal kinds, in the order here named: Comet, Daybreak, Purity, Truffaut's, Victoria, Upright. The latest is Semple's Branching, which comes into bloom from the 5th to the 10th of August and continues flowering until the end of September, but can be had later, if sown in June, which involves the risk of losing the flowers by early frosts, or by being crowded out of the market by the early chrysanthemums.

Queen of the Market may be sown now. For all other varieties it is time enough at the end of this month. Asters will bloom later than their regular time, if sown very late in the season, but you cannot make them flower earlier. There is nothing gained by very early sowing; they will bloom at their regular time, whether sown early or late. For instance, Semple's Branching, if sown in January, will not flower any sooner than those of the same kind sown in April; both will commence to bloom in the beginning of August. You can not coax and hurry up an aster. Besides saving a deal of extra labor by sowing the seeds of asters in March instead of January, we obtain plants that are not so liable to be cut off by stem-rot, and if my observations in this direction prove to be founded on fact, much is gained right at the start toward lessening the damage done annually by this scourge.

Stem-rot is the most troublesome of all the diseases that befall asters and defeats the best-laid plans of the grower, rendering his pursuit vexatious and often unprofitable. There are at least two distinct kinds of stem-rot. One is an infection of a local character, the decay of the main stem directly above the roots, caused by prolonged and too much moisture around the plant, sometimes by a worm, one-half to one inch long, light green in color (the aster borer), and often by an injury to the outer bark (skinning). Plants in all stages of their growth, small and large alike, may be carried off by this kind of stem-rot.

The other, far more serious, is the so-called dry-rot, a constitutional disease, said to be of a fungoid nature, though my examination, microscopical and otherwise, has never revealed any such growth. The process of decay begins with a drying and shriveling of a short length of side branch or main stem, and on examination we find that the tissue throughout that part has hardened and contracted, thus closing the cells and interrupting the flow of sap to the parts above this place, which are generally in perfect health, so much so that when cut off above the rot and put into water the stems will grow and live long enough to expand their flowers. This disease destroys the plants just at the time when they are full of fine buds, and likely it is identical with the stem-rot of carnations and many other plants.

As an experiment I planted 100 plants of carnation G. H. Crane on a small piece of garden, where asters had suffered badly from stem-rot the year previous. The carnations came from a batch of plants in the house, which, after rooting the cuttings, showed unmistakable signs of the plague, sufficiently so to make me care very little for these cuttings. But contrary to expectations, they grew to be fine plants, and when bringing them in in September I planted half of them as they should be planted and the other fifty, by way of further experimentation, I planted into the same bench, but very deep, their roots clear down to within an inch or so of the bottom of the bench. These last yielded a lot of splendid flowers all Winter. I lost not a single plant of them, while the other fifty brought inferior flowers and half of the plants died from stem-rot. Whatever inference is to be drawn from this ought not to be taken as conclusive until more trials on the same lines have been made.

A cure for dry-rot has not as yet been found, but as a preventive I have tried, and not entirely without success, the application of air-slacked lime, also gypsum (land plaster) on the surface of the land before planting, and once or twice afterwards, in a quantity sufficient to evenly cover the soil to the thickness of a knife-blade. The first kind of stem-rot in asters was thus overcome entirely and the other kept in check to a considerable extent. There may be other kinds of stem-rot. I am perfectly satisfied with the two.

Young seedling asters, when an inch in height, should be planted into 2 inch pots and planted out as soon as the land is dry enough to be worked in April about 14 inches apart in the row and rows about two feet apart. Asters do not care much for heavy manured land. An ordinary good garden soil on which other crops were grown in preceding years is the best for them. In newly broken sod land stem-rot and cut-worms combine to render aster growing a very troublesome undertaking. Asters are also cultivated under glass, but nothing is gained thereby. They do not bloom any earlier than those grown outdoors, nor are the flowers any better, if as good. The first or center bud should be pinched out as soon as formed; this increases the number of high-grade, long stemmed flowers.

The aster bug, which eats the petals of the flowers and, if allowed to, ruins the entire crop of a field in a few days, is worse in some seasons than in others, and sometimes bad in a field when none are to be found in a patch of asters not far away from the former. It often infests a certain spot in a field for days, then quits that and forages at some other corner of the same field, while the rest of the land remains clear of them. Much of this apparent caprice, however, depends upon natural causes, such as the vicinity of a neighboring aster bed, overrun with the bugs, or prevailing winds, etc. The only way to meet this trouble is to pick off the bugs and instantly kill them at their very first appearance. They are then in small numbers, and their destruction at the time is not a hard task. After patiently following this up for a few days you are generally entirely rid of them for that season. Merely shaking them off the flowers or plants does not avail anything; they will be at it again before your back is fairly turned. If the arrival of the advance guard is overlooked, or they are not attended to at once, the probability is that no salable flowers will be picked from that field.

There is no use trying to raise asters for cut flowers on a piece of land which cannot copiously and conveniently be watered. Last year asters were grown on any place and the market was flooded with all grades and shades of flowers, because it happened to be a very rainy season. The Summer before that was exceedingly dry, but it proved to be the very best season for those aster growers who were provided with sufficient means for watering their fields. A thorough deep hoeing around the plants during the Summer is necessary, commencing with this part of their culture as soon as the plants begin to grow fast, and sonoer if weeds have started.

Asters can be grown in shady places under trees and on the north side of buildings nearly as good as in locations exposed to the rays of the sun. The flowers of asters should be cut before fully expanded, or they will show the yellow center which excludes them from the first grade. In packing, they must be carefully handled, though they are not as easily bruised as chrysanthemums. Before shipping, they should invariably be kept standing in water for at least ten hours, and should always be stripped of the lower two or three leaves and nicely graded before being sent to market.

FRED. W. TIMME.

Ivory Soap for Red Spider.

Editor Florists' Exchange:

In your issue of January 24 there is an article by Mr. W. R. Pierson, in which he speaks of the use of ivory soap for red spider. We used the formula, as he gave it in the article in question, on our carnations, and there was no ill effects from it. But we also thought we would be on the safe side and use it on some other plants. The leaves of cineraria, calceolaria, smilax, Easter lilies and pelargoniums were badly damaged. It seemed to eat the tissue of the leaf, and skeletonize the part.

We do not by any means blame any one for this, but send the information to possibly prevent others from making a similar mistake. The work was done on our own responsibility entirely, as Mr. Pierson spoke only of using the soap on carnations. We will add, it was applied with a "Success" spray pump.

WATKIS & NICHOLSON.

Review of the Market

NEW YORK.—Business was anything but lively this week, and the fact of Thursday being a holiday—Lincoln's Birthday—did not seem to help matters much. Carnations are in excessive quantity, very considerably over the demand, not clearing out at all satisfactorily. The smaller grades particularly are being held over in numbers from day to day, and many of them get down to the dollar a hundred mark before they are finally disposed of. Fancy grade blooms do not, perhaps, lag quite so much as the others, though it is doubtful whether the average prices will be as good as they were a week ago, although the asking prices for small lots are about the same. While special American Beauty roses are far from being plentiful, they are in ample supply for all demands. It is getting quite difficult to dispose of all the short stemmed flowers of this variety that are coming in, however, and the prices on these grades are weaker than they were. Bridesmaid of the best grades are moving fairly well, better even than do the Bride; but in the number one and two grades, the latter variety is finding a better demand than the pink ones.

Bulbous flowers, such as Roman hyacinths, tulips and narcissus in varieties, are very plentiful, and although they do not clear out at all briskly, there has been no change in the asking prices. Lily of the valley is very much of a drug, and some have been sold at as low as one dollar per hundred. Lilies are of various grades of quality, and, while some will average $1.50 a dozen, there are others that do not bring more than eight cents each.

There is a regular supply of callas, for which there seems to be a fair demand, smaller blooms realize $1.00 per dozen, and the larger flowers $1.50 per dozen.

Lilac is not moving well at all, though the supply is plentiful and the quality is good. Violets are coming in in very heavy supplies and while the weather is reasonably mild, the bulk of them can always be disposed of, as the street men handle violets in great quantities, though of course the standard of prices is necessarily low. There are some days when the afternoon shipments approximate 250,000 flowers, and out of this vast number it is no wonder that there are many different grades. Young & Nugent had a bunch one day recently, in which all of the flowers were of immense size, twenty-five blooms making as large a bunch as would one hundred ordinary flowers. This particular lot of violets sold at five cents each, wholesale.

CHICAGO.—With an ever increasing supply the market is not so firm as at last writing, and, if bright weather should prevail for a few days, there is no doubt but there will be a further decline in prices. American Beauty roses are arriving in such limited quantities that the price is readily maintained for extra-fancy stock, $5.00 to $6.00 per dozen, while medium and shorts bring from $1.00 to $4.00 per dozen. Bride and Bridesmaid are more abundant than a week ago and the prices on these are not quite so stiff, although for extra fancy they run from $12.00 to $15.00 per 100, while other grades are selling at from $6.00 to $10.00 per 100. Golden Gate brings from $6.00 to $12.00, with a few extra fancy a shade higher. Meteor from $6.00 to $10.00, Liberty $6.00 to $25.00 per 100.

Carnations are arriving in larger quantities than at last report, and the supply is on the increase with all the growers. A break in the market may therefore be looked for at any time. Ordinary and inferior grades are sold at most any price the buyer will give, still there are not many sales reported below the $1.00 mark, while fancy stock is almost as high as at last writing, from $3.00 to $4.00 per 100. Standard varieties bring from $1.00 to $2.50 per 100, with $3.00 for white. Prosperity is selling at from $6.00 to $8.00 per 100.

Violets are in over abundance, and are hard to clean up at any price remunerative to the grower. From 60c. to $1.00 per 100 for ordinary and from $1.00 to $1.50 for fancy are the prices for violets. Some extra good stock is arriving on the market at the present time.

Bulbous flowers of all kinds are increasing in quantity, with prices not so firm as a week ago.

Daisies bring 60c. to $1.00 per 100, the latter price for Burbank's Shasta, which are coming in in limited quantities and are quickly bought up by the best retailers. Lilac is selling at from 75c. to $1.00 per dozen. R. J.

WASHINGTON, D. C.—Business has been very good the past two weeks. Lots of good roses are on the market. Azaleas lead in potted plants and bring a price from $1.00 to $15.00 each. American Beauty roses are scarce, at from $4.00 to $15.00 per dozen retail. Other roses realize $1.00 to $4.00 per dozen. [illegible] plants bring 75c. to $1.50 each; [illegible] roses 50c. each. Gude & Bro. have some nice lilac, which finds ready sale at $3.50 to $6.00. C. W. W.

BOSTON.—This week has witnessed no remarkable change in the market conditions. On Wednesday the demand seemed to fall flat, and there was more stock unsold than was the case for many weeks. The supply does not become much heavier except on bulbous stock. The conditions is entirely due to the lack of demand. Roses, though not much more plentiful than they were last week, did not sell quite so readily, though prices were held to those of the week previous. The demand for carnations fell off perceptibly and values dropped on an average about $1.00 per 100. It was difficult on Wednesday to obtain $3.00 per 100 for the same grade of stock which sold readily a week ago for $4.00.

Bulbous stock is much more plentiful, and has become druggy. Von Sion are selling at $2.50 to $3.00 per 100, and Trumpet Major and Princeps at from $2.00 to $3.00, with Golden Spur at $4.00. Tulips range from $2.00 per 100 for the short stemmed stock to $4.00 for the finest grade. Lilies are in good supply, at $7.00 to $10.00, and lily of the valley is druggy at $2.00 to $4.00.

Violets have become very plentiful, and are moving slowly at 50c. to 60c. per 100 for good stock, with inferior grade at 40c., while fancies reach 75c. per 100. Mignonette is only in fair supply, and is not especially good, fetching $3.00 to $4.00 per 100. Pansies sell well at 75c. to $1.00 per 100 and sweet peas do pretty well at $1.00 to $1.50 per 100. F. J. N.

MONTREAL.—The back of the coal strike seems to have been broken at last. Stocks are now coming in more freely. This, combined with milder weather, will no doubt, from now on, cause the price to keep on the downward move.

Flowers are still scarce; but, perhaps, white stock of the inferior kinds is a little more plentiful. Bulbous material is moving more freely than in past years, largely the result no doubt of the high price of the standard varieties. The quality both of tulips and daffodils is still below the average. Trade is quiet. For a couple of days the street cars were completely tied up, owing to a strike. This did not conduce to improve business conditions. B.

INDIANAPOLIS, IND.—Trade has not been quite so brisk during the past week and stock is still scarce. Bulbous flowers are coming in in quantities, and relieve the tension somewhat on carnations and roses. Both double and single violets are plentiful. As one large grower of violets expressed it, he wished single violets were out of existence, as just about the time his violet account rises to the right side of the ledger, single violets appear in every back-yard and are unfair competitors, both in quantity and price, to the double violets. Retail prices on roses are as follows: Bride and Bridesmaid, $1.50 to $2.00 per dozen; Liberty, $3.00 to $4.00 per dozen; Perle des Jardins, $1.50 per dozen; Meteor, $2.00 to $3.00 per dozen. American Beauty, $2.00 to $12.00 per dozen. Carnations are still rather scarce, good stock sells at $2.00 to $3.00 per 100 wholesale, 75c. to $1.00, retail. Tulips, daffodils, jonquils, Roman hyacinths, lily of the valley and narcissus sell at 75c. per dozen; freesia, 40c. per dozen; sweet peas, 50c. per bunch of 25. I. B.

CLEVELAND.—Trade is all that could be desired; flowers of all kinds are being sold out at good figures. St. Valentine's Day gives promise of a good demand, especially for violets. The week's quotations are: Roses, teas, select, $12.00 to $15.00, No. 1, $10.00; No. 2, $5.00 to $6.00, Meteor, $8.00 to $12.00; carnations, fancy, $4.00 to $6.00; good, $2.00 to $3.00; lilies, $15.00 to $18.00; violets, $1.00 to $2.00, lily of the valley, $3.00 to $4.00; tulips, $3.00 to $4.00; Double Von Sion narcissus, $3.00 to $4.00, Roman hyacinths and Paper White narcissus, $3.00 and $2.00; common ferns, $1.50 per 1000, adiantum, $1.00 per 100, galax leaves, $1.00 per 1000, asparagus, $50.00 per 100. Smilax is in good demand at $15.00 per 100.

G. W. S.

ST. LOUIS.—In the wholesale market stock is in fairly good supply and of good quality, the only marked shortage being in American Beauty, which are scarce and high in price, particularly those with long stems. Carnations and roses of the standard varieties are bringing respectively from $2.00 to $4.00 and $4.00 to $8.00. The average of good carnations can safely be put at 2c. to [illegible]. Violets are in good supply and demand. There is plenty of bulbous stock at usual prices. Some fine lily of the valley is seen, which goes for $4.00. There is nothing extra fine in sweet peas; $1.00 for these is the exception rather than the rule. All the commission houses report good trade, but they are not rushed. F. W. M.

DETROIT, MICH.—Stock is still very scarce, but all indications point to a better supply. Calls for roses and carnations have been very heavy, with not enough flowers to go around. White stock is still short. Lily of the valley and lilies are selling well. There is a big demand for greens. DILGER.

DENVER.—Trade is good despite the sudden change of weather to cold. Flowers are in fairly good supply, with the exception of roses, which keep very scarce. There is a good supply of tulips, daffodils, etc., which stock is meeting with very ready sale so far, and there is good reason to believe that these flowers will continue to be popular through the season. Lily of the valley is of good quality and generally sells well. The Park Floral Co. has some very pretty lilac bushes which make an attractive display at the store.

Potted plants are going well; pans of tulips, daffodils and hyacinths taking the lead. S.

New York.

The Carnation Show.

A meeting of the Brooklyn Horticultural Society will be held on Monday evening, February 16, in the Germania Club, 120 Schermerhorn street, Brooklyn. The coming meeting of the American Carnation Society, which occurs in Brooklyn next week, will probably be the largest affair that Society has ever had. It is estimated that about two hundred carnation men from distant points will be present, and there will also be a big attendance of home growers. The exhibition will no doubt be unprecedented, and under the careful management of Wm. Plumb the staging and arrangement of the exhibits are sure to be done to the best advantage.

News of the Week.

At the Florists' Club meeting on Monday night there was on exhibit an ardisia plant from the home of Mrs. J. H. Troy, New Rochelle, N. Y. While the plant was a fair specimen, carrying clusters of bright scarlet berries, and foliage of a healthy green color, the most interesting feature was the card that accompanied it. That card stated that the plant had been kept in the president's home since October, 1901, and had been a decided ornament ever since, with but little care.

Frank Weinberg, Woodside, Long Island, was also an exhibitor, showing two hybrid cypripediums and one plant of C. insigne. The committee awarded a cultural certificate in the case of the ardisia, and honorable mention to the orchids.

R. Shannon, a Brooklyn retail florist, was one of the passengers on board the Madiana, which was wrecked on the reefs off Bermuda coast, on Tuesday. The vessel was a total loss, but, happily, all the passengers were saved.

The Farmers' Club and Horticultural Section of the American Institute held their monthly meeting on Wednesday afternoon in the Berkeley Lyceum. James Wood addressed the members on the subject of "Forcing Vegetables for Home Use." Immediately after the meeting the Horticultural Society of New York convened and discussed "Plant Breeding at Present, and in the Future," the subject being introduced by C. L. Allen, of Floral Park, N. Y.

John Scott, wholesale grower, Keap street and Flatbush, Brooklyn, recently purchased an extensive collection of cannas from C. W. Ward, of the Cottage Gardens, Queens, N. Y.

Wallace Gomersall has resigned his position as gardener to Winthrop Sargent, Esq., Fishkill-on-Hudson, N. Y., and has accepted a similar position with Wm. D. Guthrie, Esq., Locust Valley, Long Island. F. E. Whitney, who has been the grower for F. & G. Traendly, Rowayton, Conn., has taken the position vacated by Mr. Gomersall.

The holiday on Thursday did not prove of any benefit to the flower business, there was very little doing. The weather was mild and genial, and flowers accumulated heavily in the hands of the dealers, so that when Friday morning came there was a general break in prices, and the top figures quoted elsewhere on American Beauty are not applicable to Friday's business, specials being offered freely at 50c. each on that day.

There is some talk among the prominent growers and wholesalers in the city of getting together and putting up a large building in which all of the city's wholesale flower business can be conducted.

Carl Jurgens, Newport, R. I., remained over in the city a day or two on his way home from Florida, where he ha been spending the last few weeks.

At the annual meeting of the Boar of Managers of the New York Botanical Garden, held January 12, 1903, provision was made for the establishmen of scholarships of the value of $50.00 a month to each person to whom such privileges may be granted. The scholarships are designed to meet the needs of professors or instructors in colleges officers of museums, or other botanists of equivalent training or experience who desire to utilize the facilities o the Garden for continuing investigations already commenced, or for carrying out investigations which require facilities additional to those at thei command at home.

Cleveland.

News Notes.

We are having very fine weathe for this season of the year, and the temperature is just below the freezing point. The bright, sunny days are telling on all flowers, and the quality and color are improving to a marked extent. The increased cut that the weather has a tendency to produce does no seem to be noticeable on the market, as all stocks are being sold out clean.

A wholesale flower market was the topic of much discussion at the club meeting last Monday night, and by the way things look at this writing a market will be a reality before long.

Isaac Kennedy, vice-president of the S. A. F., is laboring diligently with the express rate problem, and as this gentleman is an enthusiastic worker, his efforts should be crowned with success before long. Should any one in this locality have any suggestions to offer please address Mr. Kennedy.

It is reported that John Lauchner, of Rocky River, has closed part of his range of glass on account of the high price of fuel.

The Cleveland Market Gardeners and Producers' Association held a meeting on February 7. The association will be managed on a business basis, and while for the present it is simply aimed to procure better accommodations for market gardeners at the present market houses it is intended that funds be collected with a view to erecting a market house for the exclusive use of, and to meet the needs of, the market gardeners. A constitution and by-laws were read by G. A. Tilton, who drafted them, and after some discussion, during which a few amendments were offered, the laws of the association were adopted.

The officers elected were: S. B. Chester, South Brooklyn, president; L. Zeager, Rocky River, and T. W. James, Parma, vice-presidents; W. A. Potter, Rockport, secretary; T. Peterson, Rocky River, treasurer. An executive committee of five members will govern the affairs of the association. Meetings will be held once a month for the present, the next meeting being Saturday, March 7.

Ben. Hart is the happy father of a new daughter, and the first. Congratulations are in order.

D. T. Connor, representing Lord & Burnham Co., of New York, was in town this week looking after the wants of intending builders.

Mr. Hovarth, the forester of our park system, reports the arrival of a baby girl recently. Mother and daughter are both doing well.

J. M. Gasser has left for an extended trip for his health. G. W. S.

Hartford, Conn.

Club News.

The Florists' Club held a well attended meeting Monday evening in Treasurer Wirth's office, Bushnell Park. There was a long discussion on the question of the increased express rates on cut flowers; in fact, this subject has been the chief topic at the meetings lately. Peter Zuger, gardener at the Elizabeth Park greenhouses, showed twenty-five very fine carnations, among which were Elm City, Norway, Alba, Lucile, Lorna, J. H. Manley and Cressbrook. Two new members were elected. The following questions were taken from the question box and a lengthy discussion followed: What is the best method of growing asters for outdoor display, and which varieties are best adapted for the purpose? Which palms are available for sub-tropical effect outdoors, considering the fact that said palms would have to be kept over Winter in a moderately lighted building in a low temperature of from 40 to 50 degrees? It was voted that both questions be referred to Mr. Huss to be answered in writing at the next meeting.

J. F. COOMBS.

Canadian News

Hamilton, Ont.

Not much has occurred worthy of ention this week excepting the arrival f the advance guard of the ever-in- reasing flock of Holland bulb men

Prospects are very bright for a brisk emand for plants of all kinds. Cut owers are keeping up very well in rice and the supply seldom equals the emand in any line—an unusual state f affairs from the growers' point of iew.

Taking advantage of the mild weath- r in the early part of the week, a few f the market men were at their stands n Tuesday. They made quite a dis- lay and a fair amount of business was one, though the ground was coated ith snow—rather chilly surroundings r greenhouse plants.

John H. Tilden is chairman of the 'arks Board this year. He is a public- pirited citizen, and will no doubt do istice to the Hamilton parks.

At the next meeting of the Florists' lub, which will be held on Tuesday, he 17 inst., the matter of the advisa- ility of raising retail prices and the iethods of maintaining them will be ully discussed. President Fred. Turner xtends an invitation to every member f the local trade to attend, whether iembers of the club or not. This is a uestion in which every one should urely be interested. The meeting will egin promptly at 8 o'clock.

Dave McLeod has a fine stock of bed- ing plants, every available foot of ouse room being well filled.

orticultural Society Meeting

On the 10th inst. the Horticul- ural Society was addressed by Frank . Shutt, the chemist at the Central xperimental Farm, Ottawa. The topic 'as "Plant Foods." Several members f the Florists' Club were present. Mr. hutt handled the subject in a way hat showed he was on well-known round. His views are practical in very way, and the lecture was, I think, ppreciated by every florist present.

BEAVER.

Montreal.

uebec Provincial Chrysanthemum Show

There is much speculation as to vho are the parties interested in this ffair. The majority are of the opinion hat no such a show is, or has been, ontemplated.

issolution of Partnership.

Messrs. Lucas & Burrows, florists, f Montreal and Lachine, have dis- olved partnership, and the Guy street tore has been closed. Mr. Lucas will perate the greenhouse alone.

he Club's Euchre Party.

This social affair is progressing ery favorably, and a banner crowd is ssured.

orticultural Lecture at Lachine.

Professor Coard, of the Dominion epartment of Agriculture, lectured on Soils and Fertilizers" at the Town all on the 6th inst. The lecture, al- hough containing much splendid mat- er, was altogether too technical. Hopes re entertained of getting the depart- nent to issue the lecture in bulletin orm; the many formulae, etc., will e very valuable, especially to the rade. The second lecture of the series vill be held on the 20th, when James McKenna will give an essay on "A Few ood Perennials," and A. Wilshire one n "The Window Garden." The secre- ary one on "Seeds and Seedlings."

B.

Toronto.

The industrial exhibition has appoint- d Dr. J. O. Orr as manager in the place f Mr. Hill, who has resigned on ac- ount of ill health. The doctor is emi- ently fitted for the position. The board f the exhibition has recommended that wo delegates from the Canadian Horti- ultural Association be acepted as dele- ates to the board. John H. Dunlop nd Herman Simmers have been ap- ointed to the position.

The meeting of the executive commit- e of the C. H. A. will be held on the norning of March 6. A large repre- entation is requested, as considerable mportant business will be taken up. he session will be held in Mr. Dunlop's tore.

T. M.

Halifax, N. S.

We have had a pretty cold spell for the past week or so, which, of course, had made it very hard on our coal bills. Business has been good considering the bad weather. White stock is pretty scarce, owing to the deaths of a few well-known citizens. Our people down here haven't got used to color in their designs yet, but we are bringing them to it a little at a time. Prices remain about the same as at Christmas. Freesia, daffodils, hyacinths, azaleas and primulas are selling well, also small palms, rubber plants and Boston ferns, which bring good prices. It comes hard on some of the small dealers in not being able to get coal, but outside of that things are as good as can be expected. We are all looking forward to a big Easter trade. Christmas business was the best we have ever had here—away ahead of that of other years.

F. H. B.

THE MARKET

TORONTO.—Business continues good, with roses and carnations rather scarce. Medium carnations and violets are plentiful and bulbous stock is becoming very abundant. Flowering plants are selling fairly well at retail, but the wholesale price is often very low. Palms, also, are sold at such a low rate that one wonders whether the European grower ever gets anything for them. Our department stores have several times this Winter sold palms for lower prices than they are quoted at in Europe at wholesale. Some of our retailers are complaining about the price of roses, but they are the only flowers that are dearer than in former years, and the values on them will come down when we get some fine bright weather.

The worst of the coal trouble is over here. Hard coal can now be bought for $8.00 per ton, delivered, and there appears to be plenty of it in town. The weather is soft and warm, but not generally bright. All feel that the worst is over.

T. M.

MONTREAL.—American Beauty, extra $50.00 to $60.00; No. 1, $40.00 to $50.00. Bride and Bridesmaid, fancy special, $10.00 to $15.00; No. 1, $6.00 to $8.00; Golden Gate, $10.00 to $15.00; Liberty, $12.00 to $15.00; Meteor, $8.00 to $15.00; Mrs. Pierpont Morgan, $10.00 to $15.00; Perle des Jardins, $7.00 to $10.00. Carnations, standard varieties, white and pink, $3.00 to $5.00; red, $4.00 to $5.00; fancy $6.00. Asparagus, $25.00 to $75.00; callas, $10.00 to $12.00; daffodils, $2.00 to $4.00; freesia, $2.00 to $3.00; hyacinths, $2.00 to $3.00; lily of the valley, $3.00 to $4.00; mignonette, 3.00 to $5.00; narcissus, $3.00 to $4.00; smilax, $25.00; tulips, $3.00 to $5.00, violets, $1.00 to $2.00.

B.

Cincinnati.

The Week's News.

At last we are having a few days of sunshine, which will no doubt increase the supply of cut flowers in all lines. The demand still remains good, and stock of all kinds is scarce. Roses and carnations have both been at a standstill for a long time, and with the high prices of coal and heavy express charges this condition has not been very encouraging to the grower, although prices have held up well all during the season.

As the time draws near for the annual meeting of the American Carnation Society, more interest seems to be manifesting itself. We shall have two or three representatives from Cincinnati. They will probably travel over the B. & O., as this line goes through Oakland; and Messrs. Weber & Sons' greenhouses always have an attraction to the Cincinnati contingent.

Last week a party of Cincinnati florists visited Richmond, New Castle and Lafayette, Ind., and they give some glowing accounts of what they saw, and especially of the new carnation, President McKinley.

Meyer Heller was a caller last week, and says his firm is booking lots of orders for the new yellow rose, Franz Deegen. He also says their American Beauty roses never looked better, and will be in good crop again in a week or so.

Fred. Weltz, of Wilmington, O., was in the city, also a representative of Benjamin Hammond, the slug shot man.

E. G. GILLETT.

Philadelphia.

Tone of Trade Improved.

A much brighter tone has prevailed throughout the trade the past week. The grower is practically on the safe side now as to coal, in fact, the dealers are already hunting orders. The rose grower is cutting a good many more flowers with longer stems than last week. The retailer has a good, steady transient business, with, daily, a greater variety of cut flowers and blooming plants. The seedsman is getting a heavier mail every day, and already commencing to work later.

General News.

Henry F. Michell is now installing seed bins, compartments for packets of seeds, etc., on the third floor of his store, utilizing a space of 120 feet deep. This is for a general order filling department. There is a packing counter, with spaces in front of it, for all sizes of bags, cartoons, etc., the remainder of the space is fitted with bins at the bottom, each with spring hinges, so that they are self-closing. Above are spaces for pint and quart packages, and, above these, compartments for packets. Each kind of seeds has such space allowed as the number of varieties require, the whole being made up very compact and convenient, so as to greatly facilitate the rapidity and correctness of filling of orders. This department will be in operation next week and will greatly relieve the general store floor, allowing more space for display and utility of handling the daily increased transient trade.

Pennock Bros. had a very pretty church wedding decoration the other day at Wissahickon Heights. It was composed chiefly of genistas and white lilacs, which harmonized very well with the natural brick walls of the church.

The number of stall renters at the flower market is still increasing. Two more growers have lately joined the ranks. All stocks of flowers are selling well here. A good supply of long-stemmed American Beauty and tea roses was on hand Thursday, and among the novelties a vase of pink chrysanthemums, which sold quickly.

There appears to be too much lily of the valley in this market; this stock has been on the street every day this week.

Both growers and commission men assert that narcissus have sold better the last six weeks than for several years past.

DAVID RUST

Boston.

Massachusetts Horticultural Society.

The orchid displays were the features of the exhibition at Horticultural Hall on Saturday. Two very fine exhibits were staged, one by J. E. Rockwell, the other by Col. Chas. Pfaff. Both were extensive and varied. Col. Pfaff won the first prize, a silver gilt medal, and Mr. Rockwell received a silver medal as the second prize. Col. Pfaff showed a few very fine pots of freesias, and Mrs. Gill staged a bunch of freesias. Norris F. Comley exhibited quite a nice collection of violets, including Lady Hume Campbell, Marie Louise, Neapolitan, Imperial, Princess of Wales, California and La France, and easily won first prize. There were no entries in the class for carnations.

The Gardeners' and Florists' Club was again unable to get a quorum for the meeting called for Tuesday last.

Hans R. Werdmuller, foreman for two years for W. W. Edgar, will shortly take a trip to England for a few weeks.

The Lillian Pond carnation continues to be one of the best white varieties coming into the Boston market.

Lawrence Cotter has worked up a fine lot of Mrs. Lawson cuttings.

The Boston delegation to the American Carnation Society's convention will leave Wednesday of next week, though from present indications quite a party will go on Thursday night and spend Friday in New York.

F. J. NORTON

Washington, D. C.

Henry Pfister, lately in charge of the White House conservatories and grounds for twenty-six years has opened a neat store at 1020 Connecticut avenue.

Chas. Eschner, with Rice & Co., Philadelphia, Pa., was a visitor last week.

John Shine, late of New York, is with Geo. C. Shaffer.

C. W. W.

10,000--10 000

Palms

Latania Borbonica

3 to 4 Leaves,

$3.00 per 100 ; $25.00 per 1000

J. GAMMAGE & SONS

LONDON, ONT.

Mention the Florists' Exchange when writing.

PALMS PALMS

Kentias, fine 4 in. pots, $3.50 per 10; 3 in. pots, $1.50 per 10. Phoenix Reclinata, 5 in., $1.50 per 10

Asparagus Plumosus, 2½ in., $6.00 per 100. Roses, best kinds for pot culture, 2½ in. pots, $3.50 per 100. Write for Wholesale List

WEBSTER BROS., Plantsmen, HAMILTON, CANADA

Mention the Florists' Exchange when writing.

Denver.

News of the Week.

Our beautiful Summer weather, of which we were bragging about a couple of weeks ago, suddenly turned to Winter, and we have had a pretty cold week, the thermometer reaching zero every morning. The sudden change has had no material effect on trade.

Mrs. R. Mauff, of Capitol Hill, is adding a new range of glass at her Harmon place, to be devoted to American Beauty roses. The range will be 100 feet long by 45 feet wide, and open right through, instead of making separate houses.

For the past few years Al. Mauff who has charge of the place, has been very successful with American Beauty, and thinks now, with things more up-to-date, he can do better.

There are a good many flowers of this rose grown in and around Denver, but the market for them here is very good, nearly all the time, so that the home product does not meet the demand, a good many coming in from Council Bluffs.

Nearly all the carnation growers have come to the conclusion that Enchantress is a good thing, for it will be liberally planted this coming season. Gus Benson and the Park Floral Co. will grow it quite heavily, but from what we have seen of it, they won't miss the mark very much.

Mr. Benson will also go back to Prosperity. Last year he planted a big batch of this variety, but like others, found it did not produce profitably, and this year, rather than discard it, he grew only a dozen plants, which he finds have done so well that his faith in Prosperity will prompt him to plant up fifteen hundred. He says he thinks he can do it right now, but must have a good price for the flowers.

Adonis will be another one of his leaders, discarding G. H. Crane. For white he will grow Governor Wolcott and White Cloud. The latter, he says, is too good to discard when done well. Mrs. Lawson continues in favor with him and will be grown in about the same quantity as this season.

Arnold Ringier, representing W. W. Barnard & Co.; C. F. Meyer, of New York, and Mr. Ward, representing [illegible] of New York, were recent visitors calling on the trade.

S.

SALT LAKE CITY, UTAH.—Schwarz & Heinecke have opened a flower and seed store at 61 East Second street.

HOOPESTON, ILL.—J. Sexstrom has bought a tract of land in Momence on which he will [illegible] greenhouses and enter the florist [illegible]. Mr. Sexstrom was formerly [illegible] landscape gardener [illegible] the E. I. H. I. at Kankakee, then entered into partnership with Peterson at Hoopeston where he has remained the past two years.

A. P. C.

Horticulture, Old and New, in Brooklyn, N. Y.

From an article contributed by Alex. Wallace, editor of The Florists' Exchange, to the Brooklyn (N. Y.) Citizen of February 1, on the subject of old-time horticulture in the City of Churches, the meeting place of The American Carnation Society in February 19 and 20 next, we make the following extracts:

To old Brooklynites the coming carnation show will recall the magnificent exhibitions given by the original Brooklyn Horticultural Society under the presidency of that public-spirited citizen, Mr. John W. Degrauw. And by a strange coincidence the present flower show occurs in the same month in which that society was organized, almost half a century ago, that event having happened in February, 1854. The society was incorporated two years later. The two earliest exhibitions of the Brooklyn Horticultural Society were given at the Athenaeum in April and March of the same year, when grand displays of rare plants and flowers were made from the conservatories of the gentlemen connected with the association and by the local florists. Many exhibits also came from distant points, some from as far away as Albany, N. Y., an old-time florist of the Capital City competing here with his then but little known New Holland and Cape plants. Similar exhibitions were continued until the Civil war, when more weighty and absorbing matters occupied the attention of our citizens than the peaceful pursuit of growing and admiring beautiful plants and flowers. The society passed out of existence at the close of the war, since which time no extensive floral exhibition has been held in Brooklyn.

In 1878 the Brooklyn Botanical Society gave a flower show in the Thirteenth Armory, corner of Atlantic and Flatbush avenues, which was opened by the Rev. Henry Ward Beecher, who spoke of the then growing interest in horticulture among the people of Brooklyn, and predicted that every flat building in the city in the near future would have its conservatory attached, which would be the common property of the tenants to enjoy.

During its existence the Brooklyn Horticultural Society did some excellent work in fostering a love of plant and flower culture among our citizens. It chose as its motto the words of Temple, as follows: "As gardening has been the inclination of kings and the choice of philosophers, so it has been the favorite of public and private men; a pleasure of the greatest and the care of the meanest; indeed, an employment and profession for which no man is too high or too low." In its latter days the society had some 500 members on its roll. Through its instrumentality a botanical garden was created, known as "The Hunt Horticultural and Botanical Garden." It was "the cherished design of that society from the first to bring about the establishment, within or near the borders of our city, of an institution kindred in its nature and objects to their own, and by means of which the accomplishment of their department in the work of developing and perfecting the art of horticulture might be greatly facilitated."

The prime movers in the botanical garden matter were Mr. John W. Degrauw and Mr. William S. Dunham, president and treasurer of the Brooklyn Horticultural Society, and through the liberality of Messrs. Thomas Hunt, E. C. Langley and A. Kent, who together contributed sixteen acres of ground for the purpose besides subscribing largely to the stock of the institution, the garden finally materialized. It was located between Fifth and Sixth avenue, and Fifty-seventh and Sixtieth streets. Here the originators hoped to found a garden that would contribute its fair share to the cultivation of a love of the beautiful and confer enduring honor, not only on its projectors, but also on the city that gave it birth.

Unfortunately, the enterprise died aborning, as Mr. Degrauw states, "in consequence of a desire on the part of a donor of the land to erect a building thereon that would require a large part of the subscriptions. The project was abandoned and the land and money were returned to their givers."

The people of Brooklyn, from the earliest period of the city's history, have exhibited a fondness for the cultivation of garden products. The favorite flowers of the first settlers were roses and tulips, the latter more particularly among the Dutch farmers of Kings county, who carried with them from their native Holland to their adopted homes in the Western country their love of the popular bulb.

It is particularly interesting at this time, when the United States government is seeking to establish in some of the Pacific States the industry of growing flowers for perfumery purposes, to know that eighty years ago the cultivation of roses for distilling uses was carried on upon a small scale in Brooklyn. Judge Furman records in his notes that Mr. Rymer Suydam, of the town of Brooklyn, had sold during the Summer of 1823, up to June 20, 300 pounds of rose leaves from off his place, at 18¾ cents per pound, and expected to sell 100 pounds more before the close of the season. Mr. John Cowenhoeven, of the same town, had sold from his garden 30 pounds, but did not give any particular attention to the business.

The perfumery manufacturer at that remote period was one John Valentine Swertcope, a Hessian, who owned a large garden and orchard opposite the present Johnson street. He had been an armorer in the British service, and made a living repairing the guns and pistols of his neighbors in Brooklyn, where he had decided to locate. Swertcope was the inventor of the air gun. This canny Hessian "did a considerable business in the distilling of rose water. The proprietors of the gardens brought their crop of leaves to him. He returned half the yield of rose water, reserving the other half as payment for his services in distillation."

John Jackson, who purchased the Remsen estate in Wallabout, in 1791, developed a large taste in horticulture, and had an extensive greenhouse, probably among the first structures of its kind to be erected in Brooklyn.

Another notable garden of the olden time was that of Hezekiah B. Pierrepont, located where Clinton and Joralemon streets are to-day. This garden had been extensively planted with fruit trees and flowers by the former owner, an Englishman, and as Mr. Pierrepont was an enthusiast in horticulture, the garden and orchard were continued and well cared for. Many rare and valuable plants were cultivated and acquired by exchange with gentlemen of similar tastes in all parts of the country. It is related that James Wilson, Mr. Pierrepont's gardener, was the first to cultivate the dahlia in American gardens, he having surreptitiously secured the seeds of the plant at an agricultural fair in England before coming to this country. The first appearance of this now popular Mexican plant in Mr. Pierrepont's garden robbed Dr. Hosack of a good deal of pleasure in his possession of the dahlia in his famous Elgin Botanical Garden, in New York, the doctor having up to that time considered that the first specimen of the plant in the United States had been grown and flowered by himself.

To a Brooklyn gardener, also, must be ascribed the credit for having grown in this city the first garden strawberries sold in the New York market. This was Bob DeBevoise, who operated a market garden on the ground where Columbia street now is, at the beginning of the last century. Previous to that time the cultivated strawberries had been supplied to New York from points in New Jersey; but about 1800 to 1802 DeBevoise commenced their systematic cultivation, sending the berries to market in crockery bowls. These sold at the rate of two shillings per pint bowl. He was in himself a cultivated strawberry trust, enjoying the monopoly of the market for this luscious fruit for about three years, when he gave some of his plants to Swertcope, who had purchased an adjoining farm, and that individual, too, with characteristic industry, soon made strawberry growing a paying business.

It was in Brooklyn also where lived the man who was primarily responsible for the inception of the seed business in New York City. His name was George Inglis. He sold the plants and flowers cultivated by him in the Fly market in New York, where he made the acquaintance of Grant Thorburn, then working at his trade of a nailer. Thorburn entered into an arrangement with Inglis that the latter should grow and supply him with flower seeds, which he did, Grant Thorburn, starting as a retail seedsman in 1802, at Nassau street, being the first to engage in that business in New York.

Brooklyn has also the credit of having had as one of its citizens a gentleman who may rightfully have claimed the honor of having been the first landscape gardener in America, in the person of M. Parmentier. He operated a nursery and garden establishment on a tract of twenty-five acres lying between Jamaica and Flatbush roads (present Atlantic avenue and Elliott place). Parmentier came from a noble French family. He emigrated to this country in 1824. He was a relative of the Parmentier who, during the time of Louis XVI., introduced the potato into France. Parmentier had discovered the nutritious qualities of the tuber, but his countrymen would have none of it, believing that it was poisonous, in which respect it shared the fate of the old "love apple" (tomato) of more recent times. The persevering Frenchman secured a statement from the Faculty of Medicine to the contrary. Permission to grow the plants was granted by the king, who placed at the disposal of Parmentier ground on the plain of Sablons. Here he planted his potatoes, and when they came into blossom he culled a number of the precious flowers and ran with them to the palace at Versailles, where he handed them to his obliging monarch, who, contrary to imperial conventionalities and regardless of the remonstrances of his courtiers, wore the potato flowers in his coat as a boutonniere.

The potato at once became popular in France, and Parmentier published a book on how to grow it. This act of Louis XVI. in wearing a potato blossom as a "button hole" somewhat antedates the fad, and takes away from the credit of the late lamented Citizen George Francis Train, who, in his recently published work, claims to have been the first to introduce the wearing of a flower as a boutonniere into Paris, in 1857.

The late Mr. Andrew Jackson Downing, the father of the park systems in America, writing in 1849, said of M. Parmentier, of Brooklyn: "In the nurseries which he established he gave a specimen of the natural style of laying out grounds, combined with the scientific arrangement of plants, which excited public curiosity and contributed not a little to the dissemination of a taste for the natural mode of landscape gardening. He was employed in laying out gardens in various parts of this country and Canada as well. In many cases he not only surveyed the demesne, but he furnished the plants and trees necessary to carry out his designs.

In his periodical catalogue he arranged the hardy trees and shrubs that flourished in this latitude in classes, according to their height, etc., and published a short treatise on the superior claims of the natural over the formal or geometric style of laying out grounds. In short, we consider M. Parmentier's labors and examples as having effected, directly, far more for landscape gardens in America than those of any individual whatever." He died in November, 1830.

Another noted garden of the olden time was that of Samuel Jackson, adjoining Swertcope's—"a walk to Clover hill, and Jackson's garden being a favorite with both sexes." Mr. Jackson, who had many beautiful and costly plants and flowers, always accompanied his visitors through the garden, and in his absence a man was on hand to see that none of his favorites was disturbed. He cultivated several cotton plants in his garden; in fact, in the year 1825 several balls of cotton were distributed in Brooklyn and almost everybody had a plant in his garden, but the cold weather soon killed them.

A most enthusiastic devotee of the garden craft was Mr. Noel J. Becar, whose greenhouse and grounds were located on the corner of Henry and Warren streets. Mr. Becar's favorite flower was the Camelia japonica. He raised several seedlings of this, at that time, very popular plant, which again is coming into fashion among flower buyers and lovers. One of these seedlings he named the City of Brooklyn, another Wilderii, in compliment to Mrs. Wilder, wife of the president of the Massachusetts Horticultural Society of the period.

Mr. Becar and Mr. James A. Perry organized about 1840, in South Brooklyn, a horticultural society, anterior to the date of the formation of the association presided over by Mr. Degrauw, but owing to adverse circumstances its life was of short duration. And although the enthusiasm of Mr. Becar in gardening matters and flower shows continued as formerly, he could never be induced to take any active part in the horticultural society created subsequent to his, because of the treatment he had received in his own endeavor to establish a similar association.

Mr. Perry's grounds were quoted by Downing as having been models of taste in landscape work in their day.

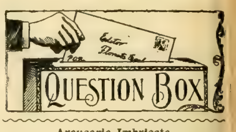
Not only among the laity did this love of the "purest of human pleasures" exist, but likewise among the clergy. One of the once famous gardens in the neighborhood of Brooklyn was that of the Rev. Peter Lowe, of Flatbush, who ornamented his grounds with shrubbery and trees, of which he was extremely fond. His garden was "his favorite place of meditation, from which he was wont to go to his lectures."

Mr. Beecher's love of flowers, shrubs and trees is well known. His speeches and sermons abound in many beautiful references and metaphors concerning them. He inaugurated the inspiring and now universal custom of having a vase of pretty flowers placed on the preacher's desk every Sabbath morning. Mr. James Park, an old-time florist, whose store was on Court street, this borough, supplied the first bouquet so used in Mr. Beecher's church.

The taste for well kept grounds, beautiful gardens and conservatories rich in floral treasures has descended as a goodly heritage to Brooklyn's sons and daughters of the present day. As examples of the love of gardening existing among our citizens may be mentioned the spacious grounds and glass houses of E. F. Bliss, Esq., of Bay Ridge; of William Brown, Esq., of Flatbush, and of Mrs. Charles Pratt, of Vanderbilt avenue.

A magnificent collection of orchids is owned by George Schlegel, Esq., of Bay Ridge, and many other Brooklyn gentlemen and ladies maintain well kept gardens and lawns.

In the Borough of Brooklyn alone over half a million square feet of greenhouse glass are devoted to commercial floriculture, a very large majority being given up to the cultivation of the carnation. Extensive areas of glass on Long Island are also set apart for carnation growing. Brooklyn boasts of over 150 retail florists' stores, two wholesale flower stores, and among the cut flowers handled by them the carnation plays a prominent part.



Araucaria Imbricata.

(32) I should like to ask Mr. Meehan through your valuable paper about the following: The other day I saw a large avenue of Araucaria imbricata. I learn that the trees had been planted about 26 years, so that I should think they were about 30 years old. I noticed that a great many of them were losing their branches entirely; they seem to start dying near the trunk first. What is the cause of this? The soil is of a loamy nature, with a well drained bottom. On inquiring I learn that the soil had been heavily manured every year. Would that be the cause of the trouble?
H. H. Y. B.

—As the branches are dying out here and there only and not the whole tree it points to a fungus trouble of some kind, and I would suggest that a good spraying of Bordeaux mixture would surely help them. Our sequoias suffer in a similar manner.

It is not probable the manure has anything to do with the trouble, otherwise the injury would be to the whole tree and not to a portion of the branches only.

The araucaria will stand a little frost, but not as much as we get here, so I have no practical knowledge of the subject from having the trees before me. But I have seen them growing beautifully in the south of England and have admired the fine avenue of them in Veitch's nursery, London. In California and British Columbia this plant is quite at home. A few degrees of frost does not hurt it, say 10 to 15 degrees, as its record in England shows; but with our clear skies in Winter it might not stand that much here.

I think spraying with Bordeaux mixture twice a year—in early Spring and Midsummer—would help the trees in question. JOSEPH MEEHAN.

Forcing Viburnum for Easter.

(33) Presuming Japanese viburnum Viburnum plicatum, is meant, it requires about six weeks to bring them into flower. A temperature of about from 55 to 60 degrees does to start them on, increasing it as the plants push into growth. Out-of-doors it takes about eight weeks before they flower but less time will accomplish the result indoors. The common snowball V. opulus sterilis, requires a week's less time than the Japanese.

The young shoots made last season must be preserved as far as possible as it is from these the flowers come.
J. M.

Carnations.

(34) We fertilized our carnations with chicken manure, and we find it is full of little red bugs. We have tried kerosene emulsion, soap suds, lime, and tobacco dust as remedies. The bugs come up at night and spoil the blooms by leaving spots on them. Do you know of any remedy? M. BROS.

—Is there not some mistake as to what is causing the spots on the carnations? The leaves sent here for inspection were spotted with carnation rust and showed no evidence of being punctured by insects. As for the bugs in the manure, a good watering of the soil with lime water, repeated in three or four days, will no doubt rid the soil of them.

Araucaria Excelsa.

(35) In handling Araucaria excelsa in a commercial way under glass during Winter, what is the lowest temperature that will enable the plants to do their best? How high a temperature could be maintained without making them weak or unhealthy? J. C.

—The araucarias do not thrive best where the extremes of temperature are so great, and from 58 degrees at night to 68 degrees through the daytime is a good guide to go by. They will, of course, stand a much higher temperature; but if such were long maintained, a spindly growth would result.

Boston Ferns.

(36) Would Boston ferns succeed if

benched in May, in a rather warm house in which palms and ficus are grown? The object is to increase them for young plants. What is the highest temperature that suits these ferns?
C. M.

—Boston ferns will succeed well if planted on the benches in May and grown on through the Summer. There is no better method of handling them. Give them plenty of air during the hottest days, and enough shade to keep them from burning, and they will thrive in the hottest weather if regularly supplied with moisture. Just how high a temperature they will stand, and still grow well, we are unable to say; but we never saw them suffer from heat, however hot the weather. There will be no danger in keeping them in the same house as the palms and ficus.

A Sport of Governor Roosevelt Carnation.

(37) A plant of Governor Roosevelt carnation has thrown a flower almost white, slightly penciled lilac. What will be the result of propagating from the stem bearing that bloom?
E. J. B.

—The white penciled flower occurring on the plant of Governor Roosevelt carnation is a sport, or bud variation, as it is usually termed, and it is certainly worth saving if the bloom is an improvement over existing types. Cuttings taken from the stem that threw the sport will probably yield similar flowers; but this is not positive. We would advise trying them, at all events.

Ardisia Crenulata.

(39) Is Ardisia crenulata propagated from seed? What treatment do the plants require?
E. E. I.

—Ardisias are grown both from seeds and cuttings. They are, naturally, warm house plants, and the seed should be sown as fresh as possible, in a house where the night temperature is about 60 degrees. When the seedlings are large enough to handle, transplant into pans, and from these, pot off, when necessary. Keep them in a warm growing atmosphere at all times, and by the third year they should make salable plants. A light, well-enriched soil is the best for them, one that drains readily and dries out easily. Frequent syringing of the young plants is also necessary, as they are liable to attacks of mealy bug and scale if the foliage is at all neglected in this matter.

Geraniums.

(40) When shall I stop pinching the buds of geraniums to have the plants in bloom the last week in May?
C. M.

—If the geraniums are kept growing in good shape, the buds may be kept down until the first week in April.

H. P. Roses.

(41) I received some H. P. roses the first week in January. Not having the right place to store them, I potted and started them growing in a cool house. As I have a number ordered for the second and last week in May, can I by pinching out the buds have them in bloom at that time; if so, when shall I stop pinching the buds?
C. M.

—The H. P. roses will be sure to be a failure, so far as flowering is concerned, if the buds are pinched out; as they would not throw any more buds until late in the season. The only thing to do, in the present instance, is to keep the plants back as much as possible by growing them cool. They cannot have made much headway yet, if they have been kept in a cool house.

Wood Ashes.

(42) How much wood ashes should be mixed with a load of soil, to be used next year in which to plant roses and carnations?
B. L. H.

—To answer this question intelligently, we should have been advised as to what other manures had been incorporated with the soil proposed to be used. We will assume, however, that one-fifth of a load of manure has been added to the soil; in that case, the ashes may be used in a ratio of one-eighth to the bulk of manure.

Dr. Arthur, of the Purdue University, Ind., spent January in the New York Botanical Garden in some work upon the plant rusts which he had under way for several years.

To Clean a Boiler.

(43) Can you advise me of some remedy to clean a No. 2 Lord & Burnham hot water boiler? Owing to the lack of hard coal we had to burn soft coal, with the result that the boiler became completely choked with coal tar, although I tried in every way I could to keep it clean. I had it soaked with kerosene and tried to burn out the dirt in that way; also scraped it after being soaked a couple of hours with coal oil, but to no effect. As it is, the house has already been frozen solid and a crop of violets injured.
COAL TAR.

—The writer has been using a No. 2 Lord & Burnham Company's boiler of the same construction as referred to by "Coal Tar" for the past fourteen years for heating his residence, using anthracite coal until the present Winter, when anthracite was impossible to get. This Winter I used soft coal and coke in about equal proportions, and the boiler has been running very satisfactorily. It has not clogged up to any extent, neither has there been any appearance of gas tar. In "Coal Tar's" case, it is possible that there is some trouble with the chimney, or the chimney flue is too large for the capacity of the boiler, and therefore does not get warm. If the flue is too large, in cold weather there would be slow draught and poor combustion, which would cause the gas to condense upon the surface of the boiler, thus producing the tar referred to. I think this tar could be removed by using a strong lye, and then having the surfaces carefully scraped. After this it would be well to investigate the chimney and see if the flue is of the proper diameter.
A. ELDER.

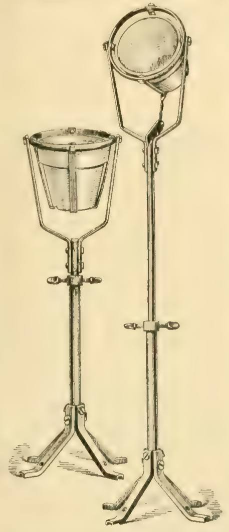
Outdoor Work for Women.

"Remunerative Outdoor Occupations for Women" was the subject of the lecture delivered before the Massachusetts Horticultural Society, January 10, by Miss Mary E. Cutler, Winthrop Gardens, Holliston. She spoke in part as follows:

"Raising flowers in greenhouses for market is a profession for which women are proving themselves especially adapted. It is a business that has to be learned like any other, but with a little experience added to natural qualifications, such as perseverance, energy, and common sense, one is sure to succeed. The plant I own and am running at the present time was started on $250 and I have built up a large, well-paying business. Given an acre of land, the first requisite, of course, is a greenhouse. A modest one can be built for $100 and a rough heating apparatus put in for $50. The cost of plants and seeds is slight, and other expenses, such as tools, fertilizers, cold frames for starting the plants, etc., would amount to little on so small a scale. The secret of success is to utilize every inch of space. In a vegetable house the tables can be filled with lettuce, cucumbers or tomatoes, while rhubarb and mushrooms can be grown on the ground underneath. A good head for planning is a necessity, and no time must be wasted between crops.

"The best location for such a venture as this is a small town or community of prosperous people. In a prosperous community you do not have to market flowers; customers will come to you for them. I sell all my flowers at my greenhouses. The profit is in decorating and set pieces rather than in cut flowers. A great advantage in this profession is that there is so much room in it for originality and taste. A branch in which a great deal of money can be made is in the sale of plants. All kinds of bedding plants are wanted in May and June for lawns, parks, cemeteries, cottages at the seashore, vases and wayside nooks. Pots filled with two or three California violet plants in bloom brought seventy-five cents in this city last Winter. Pansies are in demand in their season. Ferns, palms, and orchids grace your dining-rooms, churches, etc. The filling of window-boxes, designing new effects in jardinieres and hanging baskets is a line in which a woman can be very successful. The rose in all its colors is one of the most profitable flowers to grow under glass. The demand is great and people must have them.

"The raising of roses is a difficult branch of the business and should be taken up only after a certain amount of experience. When this is gained considerable money may be made in it. Did you ever stop to think where and how the beautiful flowers were grown? The flower business has great prizes to offer if one is of an investigating turn of mind. The large amount of money received for the Mrs. Lawson carnation is inspiring to one thinking of going into the business. It is wonderfully interesting to create new flowers; to make those bloom double that have heretofore been single, and to paint the lily a new color; it is really scientific work. It is adapted to women, and so profitable has it proved that it is strange that so few have taken it up. If a woman decides to take up flower and vegetable culture as a profession she ought, if it be possible, to fit herself for it by a previous course of study in some agricultural college; she should be familiar with botany and chemistry. If she has a chance to travel and study the flora of other countries, she has the greater chance of making a name for herself. Miss Myra Dock, of Philadelphia, is an illustration. She was sent by the Park Commissioners to study the park system in Europe. Trees should be studied as well as landscape gardening. Perhaps some day women may be park commissioners, and parks to-day show the need of some new element in that department of civic life.


Reed & Keller's New Extension Pot Holder

"The demand and supply for carnations was never so great as at the present time. Women all over the country are raising these with great success. I am engaged in growing carnations and grow them for profit as well as pleasure. Miss Taylor, a florist of Milford, Mass., has two carnation houses, one 19 by 37 feet, another 87 by 26 feet. She gives all her time to the work, propagating and growing her own stock and caring for the houses. She has found a market for everything in her own town, which is much more profitable than selling on commission. She has perfect health, enjoys her work, and supports her father and mother. In these progressive times the handle of the agricultural tool is coming to know the grasp of the woman's hand almost as well as the needle or the broom and many women are making reputations as farmers of progress.

"It was a good idea conceived by this Massachusetts Horticultural Society in offering prizes to scholars for school gardens and school herbariums. The cultivation and observation of plants in school grounds and instruction upon them are of high educational value. Native plants, such as ferns, grasses, asters, goldenrod, violets, native shrubs and economic plants, grains, vegetable roots and leguminous plants, must be the stock of the gardens. The children are approaching the coming season with unbounded zeal and enthusiasm. This tends to cultivate a higher taste for the beautiful. One essential to success in gardening is a love for it. Given this and intelligence to first plan carefully and afterward carry out the plans with perseverance, gardening will be found a successful, pleasant, and congenial occupation for women. Many of them could do much better at floriculture than to work for the very low wages paid for woman's work in the cities. It is not so much labor and muscle, nowadays, as brains and machinery. Don't do your work first and your thinking afterward, but think and plan first and then work.

"It is hoped that women will be led to realize that an existence spent in healthy, honest, out-of-door work is an existence which will enable soul and body to expand, as well as the mind. Let me urge the women of this society and city to engage in more out-of-door work, and bask in heaven's sunlight. Fewer headaches would be heard of and nervous prostration would be unknown. Have a flower or vegetable garden, take care of it yourself and don't neglect it. I hope it is no egotism to state that both in the floral and vegetable departments of horticulture, in which I have been engaged for the past seventeen years, I have been entirely successful. I was brought up in the business of market gardening. My father followed it before me, and being led to it both by circumstances and inclination, I naturally took it up. My home of sixty-eight acres is located in Holliston, Mass., on the Boston & Albany Railroad, twenty-five miles from Boston. The land slopes gently to the southeast and northwest, so that I can get two crops of early vegetables on the southeast slope, and peach orchards and later crops on the northwest. The branches that I am most interested and engaged in are flowers, vegetables and fruits. Peach orchards occupy a large corner of my farm, and have been a source of profit. When the trees are young, vegetables and small fruits can be grown by the rows, thus using all the available land. Apples, pears, plums and small fruits I also grow for profit.

New Extension Pot Holder.

Our illustrations show the new pot holder patented by Reed & Keller, New York City. This holder can be extended to various heights; and the part holding the pot can be angled in any position, making a very effective display where potted plants are used. The stand is made of malleable iron, is very strong and durable, and also very light. Its effectiveness will make it an indispensable article for all florists and growers.

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Detroit.

A Carnation Show.

Instead of holding the last regular meeting at the club rooms, Harmonie Hall was engaged. On unusual short notice many carnations and roses were brought together, novelties as well as standard kinds being on exhibition.

The largest exhibit was made by the Chicago Carnation Company, Joliet, Ill. The most conspicuous of all their flowers was a grand vase of one hundred blooms of Harlowarden, standing erect with stems 40 inches long. Nearby were Marshall Field, Mrs. Higinbotham, Her Majesty and Mrs. Potter Palmer.

J. Breitmeyer & Sons showed a vase each of well-grown stiff-stemmed Dorothy, Mrs. Lawson, G. H. Crane and Bonne Homme Richard.

B. Schroter staged Cressbrook, Mrs. E. A. Nelson and The Marquis of excellent growth and quality.

Groman Bros. of Saginaw Mich., showed Ethel Crocker, Mrs. Lawson, G. H. Crane and Genevieve Lord. Ethel Crocker seems to be grown to perfection by this firm. C. W. Ward, Queens, N. Y., sent a vase each of President Roosevelt, Mrs. Roosevelt and Alpine Glow. The flowers suffered a little from the long journey, but recuperated somewhat before the evening was over, and brought out many favorable comments. Mrs. E. T. Grave, of Richmond, Ind., had a vase of President McKinley, which created an after talk on color, stem and lasting quality of blooms. Henry Eichholz, Waynesboro, Pa., sent a vase of Tiger, a striped novel variety.

John B. Goetz, of Saginaw, Mich., exhibited two vases of seedlings, one white and one deep pink. Boehringer Bros., of Bay City, sent several vases of seedlings, and one vase of 50 flowers of their new Daybreak Perfection These are an exact counterpart of Enchantress.

Chas. Frueh & Sons, of Saginaw, Mich., displayed large vases of the new bright red seedling No. 115, with stems 40 inches in length, stiff and erect. It was pronounced a coming commercial red.

Wm. Murphy, of Cincinnati, showed Murphy's White, the coming commercial white. A. B. Lewis, of Pontiac, Mich., sent a small white prolific seedling, which he has named Pontiac. J. E. Smith, Wyandotte, Mich., staged a bright red seedling of 1900, which showed a marked strength of stem and a large open-crested flower; also a vase of The Marquis. J. E. Carey had a vase of Cressbrook. Fred Miesel & Son a vase each of Guardian Angel, Wm. Scott, Mrs. Lawson, G. H. Crane and The Marquis. Robert Klagge had a vase each of Dorothy, Mrs. Lawson, Estelle, Mrs. Potter Palmer, Bonne Homme Richard, Cerise Queen, Prosperity, Morning Glory, Cressbrook and a vase of special seedlings, 40 in number Beard Bros. sent a vase each of Guardian Angel, Mrs. Lawson, America, White Cloud, Mrs. Bradt, Mrs. Frances Joost and The Marquis. Robert Watson, a vase of Norway; George Kennedy, a vase of Genessee; Gutchow & Son, a vase each of Mrs. Lawson, Glacier and Morning Glory. James Taylor exhibited a special vase of 50 Mrs. Lawson.

Theodore Damerow had a vase each of Mrs. Lawson, Queen Louise, Mrs. E. A. Nelson, Cressbrook and The Marquis; Asman & Dunn, a vase each of G. H. Crane, Lorna and Prosperity; H. G. Flammer, a vase each of G. H. Crane and The Marquis; Frank Holznagel, a vase of 25 long-stemmed Armazindy; George Davis, a vase of General Gomez.

In roses, J. Breitmeyer & Sons showed a vase of Mrs. Pierpont Morgan, Mme. Cusin, Bon Silene, Isabella Sprunt, Perle des Jardins, Sunset, Meteor Bridesmaid and Bride.

Wm. J. Pearce, of Pontiac, Mich., showed some specially grown vases of Bridesmaid, Bride and Meteor roses on long, stiff stems.

Geo. Hupp, of Grand Rapids, showed a vase of a new seedling rose, with 40-inch stem, of a beautiful, pleasing shade of pink, large and full flower, foliage a deep green; bound to be a coming commercial variety.

James Taylor staged 50 Princess of Wales violet blooms, very large, with special long stems.

Invitations were sent to all florists and brought out a large attendance.

The features of the evening were inspecting the array of blooms, dancing by the young, card playing by the old foggies and all-day-suckers for the kids.

The E. G. Hill Company of Richmond, Ind., sent 25 blooms of Innocence, which to our sorrow arrived one day too late. Many viewed the blooms and pronounced them very fine.

J. D. Thompson Carnation Company, of Joliet, Ill., by mistake, sent Enchntress, Mrs. M. A. Patten and Governor Wolcott, just one week two early. Enchantress was missed very much by every one. We tried to save them, and, although the keeping qualities are first-class, the flowers were not fit for the bench.

Visitors to the show were: James Hartshorne, Joliet, Ill.; John Frueh, Saginaw, Mich.; Rudolph Boehringer, Bay City, Mich.; James Gordon, Mt. Clemens, Mich.; E. Dungey, Orien, Mich.; W. H. Watson, Lapeer.; A. B. Lewis, Pontiac, Mich., and C. R. Tuson, Windsor, Ont. DILGER.

St. Louis.

Club Notes.

The regular club meeting will have been held Thursday before the publication of these notes. On Saturday night, the 14th, the club will give an entertainment, dance, etc., to its members, friends and their families. Acceptances of the invitations are coming in briskly to Mr. Beneke, and an enjoyable evening is promised for all. The talent has been selected exclusively from those in the trade and their families.

Among Growers.

Edward Hicks has a very fine lot of blooming callas. He says it does not pay to buy small bulbs nor to carry your own bulbs over from year to year. He buys them fresh every year and has now the finest that he has had for twenty-five years. His Harrisii lilies look half of them sick, but those that are not affected promise to turn out fine plants for Easter.

At Henry Felter's was seen the best hydrangeas the writer has noticed this season. He is also growing a number of lilies for Easter, but there is the same mixture of the longiflorum and Harrisii, and disease as in former years, while, strange to say, other growers report but only from 5 to 15 per cent. diseased bulbs. Bentzen Floral Co., out of two hundred Harrisii, have only five which show signs of the disease.

Henry Braun, on Easton avenue, has experienced a very successful business for the first year. He is gradually improving his store and adding new stock as occasion demands.

The appointment of a superintendent of floriculture for the World's Fair, under Chief F. W. Taylor, has not yet been made. The drawings of the Horticultural Building will soon be completed and ready for publication.

F. W. M.

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Stella, Fenn	$4 00
Palmer, Cressbrook, Challenger, Oriole,	3 00
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Remember these prices include delivery to your door. All good cuttings and free from disease.
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Well-Rooted Cuttings from Clean, Healthy Stock
NOW READY

	100	1000
MR. THOMAS LAWSON	$2 50	$20.00
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QUEEN LOUISE	2.50	20.00
LORNA	2.50	20 00
J. H. MANLEY...75c. per doz.	6.00	50.00
HARRY FENN...75c. per doz.	6.00	50.00

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Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	50.00 to 60.00
	" extra	30.00 to 40.00
	" No. 1	20.00 to 30.00
	" Culls & ordinary	3.00 to 12.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	10.00 to 15.00
	" extra	6.00 to 8.00
	" No. 1	5.00 to 6.00
	" No. 2	2.00 to 4.00
	Golden Gate	4.00 to 15.00
	Liberty	10.00 to 25.00
	Meteor	1.00 to 8.00
ADIANTUM		.75 to 1.00
" PETER CROWE		...... to 1.50
ASPARAGUS		25.00 to 50.00
CALLAS		8.00 to 12.00
CATTLEYAS		40.00 to 60.00
CYPRIPEDIUMS		10.00 to 12.50
DENDROBIUM FORMOSUM		...... to 25.00
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		1.00 to 1.50
	STANDARD VARIETIES	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*FANCY— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	NOVELTIES		8.00 to 10.00
LILIES			8.00 to 12.00
LILY OF THE VALLEY			1.00 to 2.00
NARCISSUS—Paper White			1.50 to 2.00
" —Yellow			2.00 to 4.00
MIGNONETTE—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
ROMAN HYACINTHS			1.50 to 2.00
SMILAX			8.00 to 12.00
SWEET PEAS			1.50 to 2.00
TULIPS			2.00 to 5.00
VIOLETS			.25 to .50
" special			.50 to .75
LILAC, per bunch			.75 to 1.00
FREESIA, per bunch			.15 to .20

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Indianapolis, Ind.

News Notes.

Indianapolis is to have another Chrysanthemum Show the coming Fall. Although there have been larger exhibitions in the country, few of them have been superior in quality to those held in Indianapolis during the past fourteen years. The following are the officers for the coming show: President, F. S. Mayer; first vice-president, H. P. Wasson; second vice-president, Geo. Gay; secretary, Irwin Bertermann; treasurer, Wm. Milholland; manager, John Bertermann. The most of the gentlemen named are merchants who assume only the management of the show. This, with a good premium list and a lot of good growers in the immediate vicinity, ought to give Indianapolis an excellent exhibition. The secretary was instructed to write the following florists to prepare a premium list (which will be issued as soon as possible): E. G. Hill, J. A. E. Haugh, Fred. Dorner, A. Baur, Henry Rieman, John Hartje, E. A. Nelson, and H. Junge.

The State Florists' Association held its monthly meeting February 3, at which arrangements for the coming show were discussed. An advisory committee to the directors of The Indiana Floral Festival Chrysanthemum Show was chosen. The committee consists of the following: Fred. Dorner, Jr., J. S. Stuart, Fred. Lemon, H. W. Fieman, and John Hartje. Several of the florists thought the management ought to consist of direct representatives of the society. This was outvoiced by a large majority of themselves, and all are now ready to put away discussion and grow for another show. The new officers were installed at this meeting.

Charles Knopp was in Indianapolis this week. He is preparing for the company's range of houses at Richmond.

Several of the Indiana growers are preparing for the Carnation Society's convention. Had it not been for the long dark weather and scarcity of stock in this section, more growers would be willing to send flowers to the exhibition.

Our Dutch bulb friends are again making their annual appearance.

Visitors: E. G. Hill, Herbert Heller, J. A. E. Haugh, and Fred. Dorner.

I. B.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held a meeting on January 29, 1903, President David McFarlane in the chair. The executive committee reported in favor of offering the following prizes for chrysanthemums, to be competed for at the next Fall exhibition of the Chrysanthemum Society of America, to be held in New York City: For 25 distinct varieties of cut blooms, first prize, $15.00; second prize, $10.00. For 12 distinct varieties of cut blooms, first prize, $10.00; second prize, $5.00.

It was recommended that all local societies be asked to offer similar prizes, and to compete for the same, and that this national society offer a sweepstake prize, for the local society making the best exhibit in competition for their own prizes, those making other exhibits from other societies not to count in competition for such sweepstake prize.

The following gentlemen were proposed for active membership: W. F. Connell, John B. Sackett, and George H. Martin.

A prize box of cigars will be given for the best exhibit of flowers of bulbous stock shown at the February meeting.

November 5 and 6, 1903, were fixed as the dates for the next annual flower show.

H. J. R.

Charlotte, N. C.

Busines since Christmas has kept up very well, occasioned by funeral work and decorations for receptions and parties. Flowers have been scarce. Weather conditions are very changeable, one day sunshine, two days cloudy, with rain and frost occasionally interspersed. Very little coal is in sight. Soft coal is selling at $5.50 per ton.

E. J. B.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Feb. 11, 1903	Phil'delphia Feb. 10, 1903	Baltimore Feb. 10, 1903	Buffalo Feb. 10, 1903	Pittsburg Feb. 9, 1903
	A. BEAUTY, fancy—special	..... to 60.00	...... to 60.00	...... to	75.00 to 100.00	...... to ......
Roses	" extra	35.00 to 40.00	...... to 50.00	...... to	40.00 to 60.00	45.00 to 60.00
Roses	" No. 1	16.00 to 30.00	..... to 40.00	25.00 to 30.00	...... to	25.00 to 35.00
Roses	" Culls and Ordinary	8.00 to 12.50	20.00 to 25.00	8.00 to 20.00	...... to	6.00 to 8.00
Roses	Queen of Edgely	...... to	20.00 to 60.00	...... to	...... to	...... to ......
Roses	Bride, 'Maid, fancy—special	..... to 20.00	...... to	..... to	...... to 15.00	10.00 to 15.00
Roses	" extra	12.50 to 16.00	15.00 to 18.00	...... to	10.00 to 12.00	6.00 to 8.00
Roses	" No. 1	10.00 to 12.50	12.00 to 14.00	8.00 to 10.00	7.00 to 8.00	3.00 to 5.00
Roses	" No. 2	4.00 to 8.00	8.00 to 10.00	5.00 to 7.00	4.00 to 5.00	..... to 2.00
Roses	Golden Gate	...... to	8.00 to 15.00	5.00 to 12.00	4.00 to 10.00	4.00 to 10.00
Roses	K. A. Victoria	...... to	8.00 to 18.00	..... to	..... to	...... to ......
Roses	Liberty	8.00 to 30.00	15.00 to 50.00	...... to	5.00 to 15.00	4.00 to 15.00
Roses	Meteor	4.00 to 20.00	8.00 to 15.00	...... to	4.00 to 10.00	4.00 to 6.00
Roses	Perle	...... to	8.00 to 15.00	4.00 to 6.00	6.00 to 8.00	4.00 to 10.00
	ORCHIDS—Cattleyas	...... to	...... to 60.00	..... to	...... to	...... to ......
	Cypripediums	...... to	..... to 15.00	..... to	...... to 15.00	...... to ......
Carnations	Inferior grades, all colors	2.00 to 2.50	...... to	1.25 to 1.75	1.00 to 1.25	...... to 1.00
Carnations	STANDARD VARIETIES White	2.50 to 3.00	2.00 to 3.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Carnations	STANDARD VARIETIES Pink	2.50 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00
Carnations	STANDARD VARIETIES Red	2.50 to 3.00	2.00 to 3.00	2.00 to 3.50	2.00 to 3.00	1.50 to 2.00
Carnations	STANDARD VARIETIES Yellow and var.	2.50 to 3.00	2.00 to 3.00	3.00 to 3.50	2.00 to 3.00	1.50 to 2.00
Carnations	*FANCY (*The highest grades of standard var) White	3.50 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	5.00 to 6.00
Carnations	*FANCY Pink	3.50 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
Carnations	*FANCY Red	3.50 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	2.50 to 3.00
Carnations	*FANCY Yellow and var.	3.50 to 4.00	5.00 to 6.00	...... to	4.00 to 5.00	3.00 to 4.00
Carnations	NOVELTIES	...... to	..... to	...... to	6.00 to 8.00	6.00 to 10.00
	ADIANTUM	..... to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.00 to 1.25
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	20.00 to 50.00	30.00 to 50.00
	CALLAS	8.00 to 12.00	..... to	8.00 to 12.00	10.00 to 12.50	10.00 to 15.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	..... to .....
	DAFFODILS	...... to 3.00	..... to 4.00	...... to 4.00	3.00 to 4.00	4.00 to 6.00
	DAISIES	...... to	...... to	...... to	...... to	1.00 to 2.00
	FREESIA	2.00 to 4.00	...... to	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00
	GALAX LEAVES	...... to	...... to .10	...... to .10	.10 to .15	...... to ......
	HYACINTHS	2.00 to 2.50	..... to	1.50 to 3.00	3.00 to 6.00	1.50 to 3.00
	LILIES	7.00 to 10.00	..... to 25.00	...... to 12.00	12.00 to 15.00	10.00 to 15.00
	LILY OF THE VALLEY	2.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	3.00 to 4.00	...... to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
	" Fancy	...... to 6.00	..... to 5.00	..... to	5.00 to 8.00	4.00 to 5.00
	NARCISSUS	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	SMILAX	16.00 to 18.00	...... to 15.00	10.00 to 25.00	..... to 15.00	10.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS	1.00 to 1.50	1.00 to 2.00	...... to	1.00 to 2.00	.75 to 1.00
	TULIPS	2.00 to 4.00	...... to 4.00	...... to	3.00 to 4.00	3.00 to 4.00
	VIOLETS	.40 to .75	..... to 1.00	.50 to .75	.50 to 1.00	.50 to 1.50

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Asparagus Plumosus
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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

Worcester, Mass.

The Horticultural Society has arranged an unusually interesting and instructive series of meetings for the coming season. An increased attendance demands the best efforts of the committee in charge. Florists from all over the county are looking toward Worcester as the Athens of Floriculture.

Mr. and Mrs. E. F. Breed, of Clinton, have gone to Jamaica for the benefit of Mrs. Breed's health.

A visit to the new double carnation house of H. F. Littlefield showed us a handsome lot of plants. Mr. Littlefield expects to cut 100,000 flowers from this house. He also has about 5,000 lilies in good condition for his Easter trade.

Flowers have been somewhat scarce here for a few weeks, but they seem to be coming in more plentifully. Prices are high and about the same as Boston figures.

Worcester, with a population of about 125,000, has only two regular seed stores and one of these is quite small. Both of these houses issue catalogues, but have not as yet mailed them out for this season.

Farmers and market gardeners are very slow in placing their orders early, notwithstanding they were warned by Mr. Farquhar in his lecture a few weeks ago. The high prices of peas and some other garden seeds will raise havoc among the smaller dealers in this vicinity.

CAROLUS.

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THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y

Milwaukee.

The past week was an eventful one for the florists. Through the breaking of a carboy of nitric acid at the Schwaab Stamp & Seal Company the fire department was called out, and while the damage by fire was insignificant it cost the lives of our chief and three of his men. The effects of inhaling the acid fumes were not apparent until almost ten hours afterward, when some fifteen men were suddenly taken ill. Four have since died. The funeral was the largest ever held in the city. The bodies of the chief and three pipemen were lying in state in the rotunda of the City Hall, where thousands of people viewed the bodies and decorations. The entire lower floor had been draped in solid black from the second floor balcony. The entire length on both sides of the rotunda was decorated with palms and wild smilax, at the end of which stood a black disc from which there stood forth in shaded lights the words "The Last Call." Beneath this disc and toward the center of the hall stod four coffins with many beautiful floral tributes about them. At the head of the casket containing the remains of the chief was a large cross, about 8 feet in height, made of lily of the valley and lilies, festooned with ribbon. The cross was a tribute from the Common Council. The fire department contributed four large broken wheels and also four call boxes made of red carnations with the inscription "45," as this was the last call box. One of these was placed on each coffin. The Canadian Government sent a wreath, three feet in diameter, made of violets and lily of the valley, with the inscription "Canada's Sympathy for a Hero." The Board of Public Works sent a large gates ajar, the police department four large stars. Many societies and business houses sent floral tributes and a great many came from relatives and personal friends. Never before was there such a profusion of flowers seen in Milwaukee. They were literally banked about the caskets and around the sides of the rotunda. Jas. Chacona, Currie Brothers, and Wm. Edlefsen made up most of the larger pieces, but nearly all in the trade shared in a portion of the work.

C. C. P.

St. Paul.

Among Growers.

E. F. Lemke's range of houses, on University avenue, is not looking very well as everything was nipped by frost Christmas Day, owing to the carelessness of an employee in not keeping up fires. However, the stock is now on the road to recovery. For Easter he has coming on the usual batch of lilies and other bulbous flowers, as well as azaleas, hydrangeas, hybrid roses and some clematis, which, if brought into bloom for the occasion, will be quite a novelty for this city.

Chris. Bussjaeger is growing roses and carnations for Winter blooming. The plants are clean and healthy and he is cutting a fair crop considering the weather conditions.

Fred Franke, on Charles street, has a neat range of houses devoted to growing cut flowers exclusively for the wholesale trade. The roses here are in fine condition, but very few blooms are in evidence. Carnations are somewhat better, though the cut is very light at the present time. Violets are in bad shape, and will soon be thrown out to make room for Spring stock. A bench of sweet peas just coming into bloom gives promise of a nice crop in the near future. Mr. Franke's place consists of about 8,000 square feet of glass and is well kept, neat and tidy.

From there I walked to Fred Schultz's place a few blocks distant on Lafond street where the dark weather has played havoc with carnations and violets. Plenty of foliage, but blasted buds tell the story of lack of sunshine more plainly than I can. These will be thrown out in a short time to make room for Spring bedding plants, which he grows in large numbers.

H. J. Puvogel, on Grand avenue, is another wholesale grower, his specialty being blooming plants. This place was moved and rebuilt in the Summer of 1901 and is therefore comparatively new. There are four houses, containing about 6,000 square feet. His stock of primroses, asparagus, ferns and smilax is very fine. One house planted to carnations has been a paying investment during the season. Mr. Puvogel is located in one of the best sections of the city and does a large Spring business in bedding plants. With six or seven sons to assist him he will most likely build up a fine trade.

I did not have time to visit Wm. Strehlow's place, several blocks distant from Puvogel's, but understand he is picking the finest violets in the State.

H. E. Philpott, of Winnipeg; Ralph M. Ward, of Wm. Hagemann & Co., and Chas. Schwake, representing C. F. Meyer & Co. of New York; C. W. Scott, of Vaughan's Seed Store, and A. L. Vaughan, with E. H. Hunt, of Chicago, were recent visitors.

VERITAS.

Orange, N. J.

Annual Dinner.

Combined with the usual "feast of reason" and "flow of soul" of the New Jersey Floricultural Society was a floral display which made amends for the loss of that last Fall. It evolved itself into a carnation show. Peter Fisher sent Enchantress, and the Chicago Carnation Company a variety. It was regretted that C. W. Ward's contribution did not arrive in time. Local growers contributed: Prosperity and Mrs. G. M. Bradt, by John Hayes, superintendent of the O. D. Munn estate in Llewellyn Park; Mrs. Thomas W. Lawson, by Peter Duff, of "Brighthurst"; a variety of blooms came from Vice-President William Bennett, gardener for Mr. Von Gasbeck. The Bride and Bridesmaid roses of the president, and the begonia Gloire de Lorraine of Treasurer Malcolm MacRorie were very much admired.

After the disappearance of the substantials and while the usual condiments, etc., were circulating, President Smith and ex-President John Hayes addressed the company. William Duckham responded to "The Carnation," Arthur Herrington to "The Chrysanthemum," asking that the sister societies offer prizes for that flower. C. H. Totty spoke for the Madison Gardeners and their bowling. J. Austin Shaw delivered an original ode upon the "Origin of Gardening," beginning with the Garden of Eden and ending with Orange. W. J. Stewart delivered himself in particularly happy vein, attributing the excellence of the floral display to the large representation of Boston "culture," not only in flowers, but in the men that grew them, claiming John Hayes, with whom he was associated twenty years ago in Boston, and W. A. Manda and Dave Rose, as having received their early and therefore lasting professional preparation upon the soil of—Boston.

In speaking for the "Gardening Profession," Dr. J. M. W. Kitchen claimed more for its influence on the man than any other professional or commercial line, drawing out the æsthetic as well as artistic traits in his development, and, while moulding and perfecting these, lost none of the social traits.

W. A. Manda, in pleading for a regular monthly display of flowers at the Society's meetings, praised the excellence there shown, comparing so favorably with anything he had seen this season, not excepting even metropolitan shows.

J. B. D.

Waseca, Minn.

The Radical, of this city, contains an appreciative article on Wm. Kemper's success as a florist. He erected his first building in this city about seven years ago. In size it was 32 x 40 feet. After a year he enlarged it to 32 x 65 feet. His business grew year by year and last Summer he decided that he must have more room. The old buildings were torn down and the present modern ones erected in their places. They are 32 x 95 feet in size and equipped throughout with modern appliances for heating and ventilating.

Poughkeepsie, N. Y.

It is reported that Wm. G. Saltford will vacate his present premises by the 1st of June next rather than submit to an increased rental which is proposed to be demanded. There is an intimation afloat that the owner of the ground on which Saltford's greenhouses are located may enter the florist business.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Feb. 10, '03	St. Louis Feb. 7, '03	Cincinnati Feb. 10, '03	Milwaukee Feb. 8, '03	Detroit Feb. 10, '03
	A. BEAUTY, fancy—special	40.00 to 50.00	30.00 to 50.00	...... to 50.00	.... to	...... to 50.00
Roses	" extra	35.00 to 40.00	15.00 to 25.00	...... to 40.00	25.00 to 35.00	...... to 40.00
	" No. 1	25.00 to 30.00	8.00 to 12.50	25.00 to 35.00	15.00 to 18.00	.... to 25.00
	" Culls and Ordinary	8.00 to 10.00	4.00 to 6.00	...... to 8.00	6.00 to 8.00	.... to 10.00
	Queen of Edgely	... to	...... to	... to	...... to	...... to ....
	Bride, 'Maid, fancy—special	12.00 to 15.00	..... to 10.00	12.00 to 15.00	..... to 12.00	..... to 12.00
	" extra	10.00 to 12.00	...... to 8.00	10.00 to 12.00	.... to 8.00	...... to 10.00
	" No. 1	8.00 to 10.00	...... to 6.00	6.00 to 8.00	...... to 6.00	...... to 8.00
	" No. 2	6.00 to 8.00	..... to 5.00	4.00 to 6.00	... to 4.00	..... to 6.00
	Golden Gate	6.00 to 12.00	6.00 to 10.00	4.00 to 10.00	6.00 to 12.00	6.00 to 10.00
	K. A. Victoria	...... to	4.00 to 8.00	.... to	6.00 to 8.00	..... to .....
	Liberty	6.00 to 25.00	...... to .	4.00 to 15.00	8.00 to 12.00	..... to .....
	Meteor	6.00 to 10.00	4.00 to 8.00	4.00 to 10.00	6.00 to 8.00	6.00 to 12.00
	Perle	4.00 to 8.00	5.00 to 8.00	... to ..	4.00 to 8.00	6.00 to 10.00
	ORCHIDS—Cattleyas	... to 50.00	..... to	.... to 60.00	..... to	..... to 50.00
	Cypripediums	15.00 to 25.00	..... to	..... to ..	.... to	.... to 25.00
Carnations	Inferior grades, all colors	1.00 to 1.50	1.50 to 2.00	..... to 1.50	..... to ...	...... to ...
	STANDARD VARIETIES — White	2.00 to 3.00	2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00
	STANDARD VARIETIES — Pink	1.50 to 3.00	2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00
	STANDARD VARIETIES — Red	1.50 to 3.00	2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00
	STANDARD VARIETIES — Yellow and Var.	1.50 to 3.00	2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00
	*FANCY— (*The highest grades of standard var) — White	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	*FANCY— Pink	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	*FANCY— Red	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	*FANCY— Yellow and Var.	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	NOVELTIES	6.00 to 8.00	..... to	..... to	..... to	...... to ....
	ADIANTUM	.75 to 1.50	...... to	..... to 1.50	.... to ..	.... to 1.50
	ASPARAGUS	20.00 to 50.00	10.00 to 20.00	30.00 to 50.00	20.00 to 40.00	10.00 to 75.00
	CALLAS	8.00 to 12.00	10.00 to 15.00	.... to 12.00	..... to 12.50	12.00 to 15.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	...... to ......
	DAFFODILS	3.00 to 4.00	.... to	...... to	...... to	...... to ......
	DAISIES	1.00 to 2.00	..... to	...... to	...... to .50	...... to ......
	FREESIA	3.00 to 4.00	2.00 to 3.00	...... to ...	...... to	4.00 to 5.00
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	..... to .20	... to .10
	HYACINTHS	2.00 to 3.00	3.00 to 4.00	..... to 3.00	...... to	3.00 to 4.00
	LILIES	12.50 to 15.00	...... to	16.00 to 20.00	... to ...	14.00 to 16.00
	LILY OF THE VALLEY	2.00 to 4.00	3.00 to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	..... to	..... to	.... to	..... to 3.00
	" Fancy	...... to	...... to 5.00	...... to	...... to	...... to 5.00
	NARCISSUS	3.00 to 4.00	3.00 to 4.00	..... to 3.00	..... to	3.00 to 4.00
	SMILAX	12.50 to 15.00	12.50 to 15.00	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00
	STEVIA	...... to	..... to	... to	.... to ...	..... to ..
	SWEET PEAS	.75 to 1.50	1.00 to 2.00	to .	.50 to .75	.75 to 1.00
	TULIPS	2.00 to 4.00	...... to	4.00 to 5.00	2.00 to 3.00	3.00 to 6.00
	VIOLETS	.50 to 1.00	.25 to .75	.35 to 1.50	.50 to .75	.50 to 1.00

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1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6.00
1000	3 " "	5 00
800	3½ " "	5.80
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320	5 " "	4.51
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		Price per crate
120	7 in. pots in crate,	$4.20
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	HAND MADE.	
48	9 in. pots in crate,	$3.60
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24	12 " "	4.80
12	14 " "	4 80
6	16 " "	4 50

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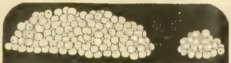

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3.—4x8x18	2.40	22.00	8.—3x7x21	3 00	29 00
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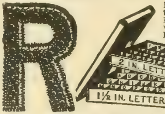

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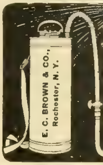
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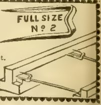

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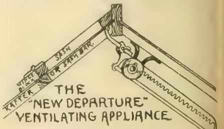

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CANOJOHARIE, N. Y.—Gates greenhouses suffered quite a loss by a boiler giving out.

GLOVERSVILLE, N. Y.—Locher will build two greenhouses, each 35 x 165 ft. He has had quite an amount of funeral work.

AMSTERDAM, N. Y.—F. Hotaling & Son have been quite busy with funeral work.

SCHENECTADY, N. Y.—Summer & Evans are busy with decorations. Grupe is also quite busy, as is W. C. Eger. Julius Eger has gone out of business. Coal is scarce here. Grupe allowed his greenhouses to freeze, and others had hard work to get along.

CORTLANDT, N. Y.—L. M. Hopkins reports business satisfactory; coal is plentiful with him.

SYRACUSE, N. Y.—Quinlan has all he can do, and Morris is working hard. Marquises is finding ready sale for his carnations.

OSWEGO, N. Y.—Business is quiet through here. N. W. Matoon and W. H. Workman report business fair. Coal is plentiful.

WATERTOWN, N. Y.—Greene & Underhill can hardly keep up to the demand for cut flowers. The firm is sending to New York market almost every day for goods. A. Stoeckle reports business brisk.

HERKIMER, N. Y.—James T. Barclay suffered through his greenhouses freezing, owing to carelessness of an employee.

G. W. GOLDNER.

CYPRESS

No 6
1-5/8 x 2-1/4

Green House Material
Hot Bed Sash Red Cedar Posts
Write for circulars or estimate.
LOCKLAND LUMBER CO.
LOCKLAND, OHIO
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The STANDARD
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Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.
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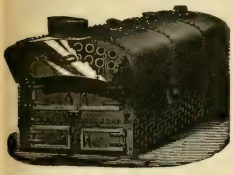

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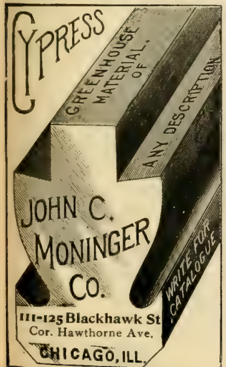
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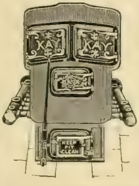

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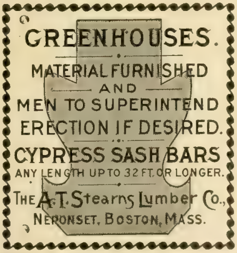

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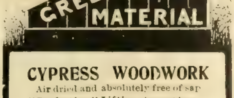

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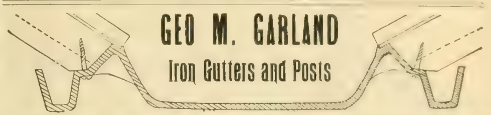

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Asparagus Plumosus, from 2 in. pots	4.00
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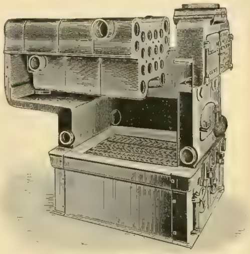

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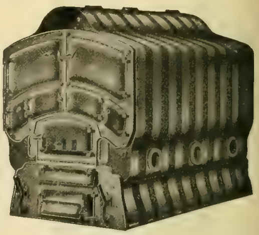

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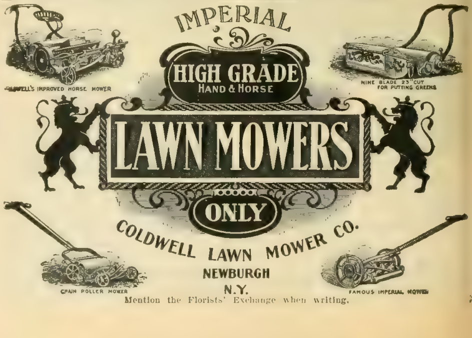

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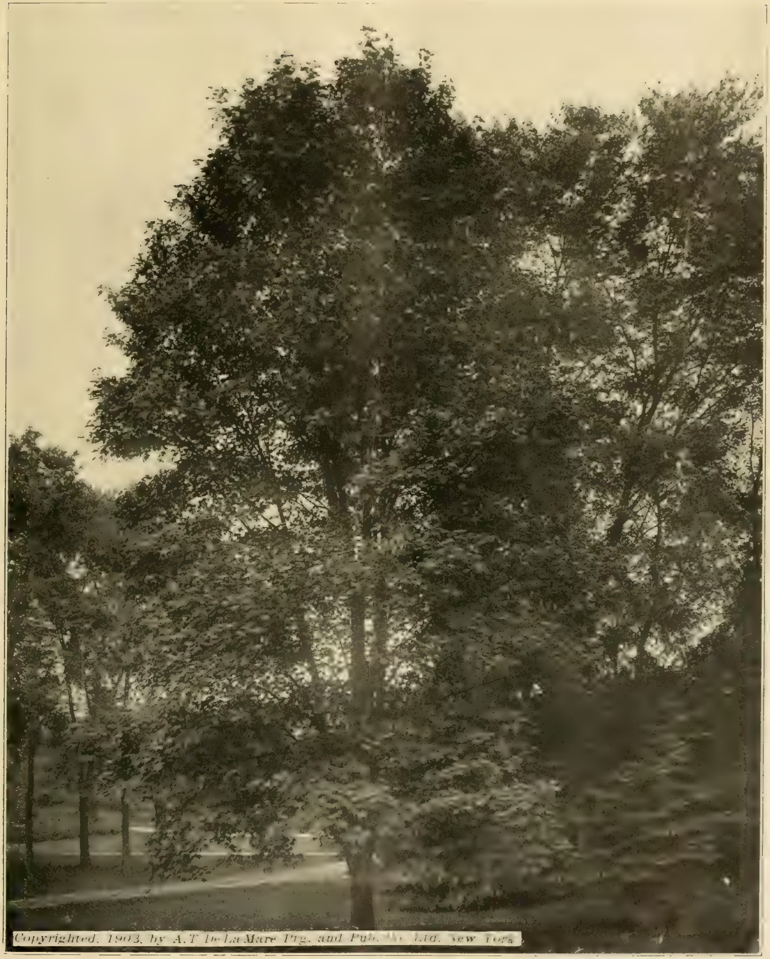

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Plate 47

ACER PSEUDO PLATANUS—European Sycamore Maple

On the grounds of the Estate of the late Mr. William Walter Phelps, Teaneck, N. J. Planted 30 years, the tree has attained a height of 35 feet. As the picture shows, it is a grand shade tree, and really deserves to be more extensively planted than it is to-day.

Carnation Society Meeting and Exhibition Number

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 8 NEW YORK, FEBRUARY 21, 1903 One Dollar Per Year

NOVELTIES IN CARNATIONS

We Offer Strong Rooted Cuttings of the Following Leading Varieties, Viz.:

Enchantress Having placed a very large order for this exceedingly valuable new variety very early last year, we are in position to make immediate and early delivery. **$12.00 per 100; $100.00 per 1000.**

Adonis This sensational new scarlet is meeting with a tremendous sale. **$14.00 per 100; $120.00 per 1000.**

Harlowarden A very free-blooming new crimson variety, very highly regarded. **$12.00 per 100; $100.00 per 1000.**

Fragrance The sweetest carnation ever grown; hence, its name. Winner of the Craig Cup at Philadelphia, 1902, for the best seedling of American origin. This has been a great favorite in the New York market for the past three years, where it has been known as "Blush Seedling." **$12.00 per 100; $100.00 per 1000.**

White Bradt A white sport from **Mrs. Geo. M. Bradt,** with which it is identical in every way except color, which is pure white. **$12.00 per 100; $100 per 1000.**

Boston Market This new white variety, raised by Peter Fisher has attracted a great deal of attention around Boston—where it has been tested by a few of the leading growers—on account of its free-blooming qualities. We can recommend it very highly. **$5.00 per 100; $40.00 per 1000.**

The Queen Another fine new white sort, also very highly thought of in the vicinity of Boston, where it originated. Exceedingly prolific, grand stem, exceedingly free bloomer, fine keeper and shipper. **$10.00 per 100; $75.00 per 1000.**

Lillian Pond Very large and of fine form. Very free and continuous bloomer. **$10.00 per 100; $75.00 per 1000.**

Fair Maid This has proved exceedingly profitable. Fine silvery pink. A grand Spring and Fall bloomer. Awarded silver medal Mass. Horticultural Society. **$6.00 per 100; $50.00 per 1000.**

Marshall Field Variegated. **$12.00 per 100; $100.00 per 1000.**

Her Majesty White. **$10.00 per 100; $80.00 per 1000.**

JAPANESE FERN BALLS.

We have a fine lot of these in first-class shape. Extra sized balls about 8 inches in diameter. **$3.50 per doz.; $25.00 per 100.**

FICUS ELASTICA (Rubber Plant).

We have a grand stock of these plants in splendid shape, grown cool, with large perfect leaves right to the pot. Extra good value.

Extra strong plants in 6-in. pots, 1½ to 2 ft. high	$6.00	per doz.
" " " " " 2½ "	9.00	"
" " " " " 3½ "	12.00	"

Very large bushy specimens, 3 plants in a pot, fine for decorating, hotels, etc., 4 to 5 ft. high. $5.00 each.

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Asparagus Plumosus Nanus

CUT STRINGS, 50 CTS. EACH.

W. H. ELLIOTT, Brighton, Mass.

BULBS FOR SPRING PLANTING

	Per 100	Per 1000
BEGONIAS—*Tuberous-rooted.*		
Single, bulbs 1¼ in. and up, separate colors, white, red, pink, yellow and orange	$ 2 25	$20 00
" Mixed	2 00	18 50
Double, large bulbs, 1¼ in. and upward.		
Separate colors	5 00	40 00
Mixed	4 00	35 00
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Bulbs, 6 to 8 in. in circumference	2 00	18 00
" 8 to 10 " " "	3 50	30 00
" 10 to 12 " " "	6 50	50 00
" 12 in. and over $1.50 per doz.	15 00	
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" Mixed sorts, large bulbs, $1.00 per doz.	7 50	
GLOXINIAS—Choice Stock.		
Named varieties, very large bulbs; separate colors: white, purple, red, blue, spotted and tigered	5 00	40 00
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American-grown, from originally imported stock, ⅓ single, ⅔ double, named sorts $1.00 per doz.	7 00	
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CANNAS.		
Large dormant pieces, with two to three eyes. Mad. Crozy, Paul Marquant, Burbank, Chas. Henderson, Alph. Bouvier, Peachblow, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria, Alsace, Morning Star	2 00	15 00

	Per 100	Per 1000
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Auratum, 8 to 9 in. in circumference	$5 00	$40 00
Speciosum Rubrum, 8 to 9 in.	6 50	50 00
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Large roots	1 50	10 00

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Field Clumps, 3 to 5 eyes.		
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Chinensis Rosea Plena, pink	10 00	1 25
Chinensis Rubra Plena, red	8 00	1 00
One case containing 67 Double White, 66 Double Red, 67 Double Pink, strong roots, for $25 00.		
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Large Field Clumps		
Named kinds and colors. Separate		
Cactus, Show, Fancy and Pompon	7 50	70 00
Double Mixed, all colors	5 00	45 00
TUBEROSES—		
Excelsior Double Pearl.		
4 to 6 inches around	1 00	8 50
1st size, 3 to 4 inches	75	5 00
GLADIOLUS—Selected Bulbs.		
American Hybrids, mixed	1 00	7 50
Very fine mixed	75	6 50
Second size mixed	65	5 00

GLADIOLUS—Florists' Forcing Sorts.		
Augusta, pure white	4 50	40 00
May, Daybreak color	2 50	20 00
Shakespeare, white and rose	5 50	50 00
White and Light, best	2 00	18 00

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ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

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H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field grown, extra strong, $4.00 per doz.: $30.00 per 100.

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	100	1000
SPIRÆA Japonica	$4.00	$35.00
" **Compacta**	4.50	0.00
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ASPARAGUS Sprengeri Seed, $2.50 per 1000.
" **Plumosus Nanus Seed,** $7.50 per 1000.

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Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

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These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds. $3.50 per doz.; $25.00 per 100.

Extra large ... $5 per doz.; $40 per 100.

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LILAC, FOR FORCING. Pot-grown, $6 a doz.; $45 a 100. **Chas. X, Marie Legraye, Mme. Lemoine.**

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DIELYTRA Spectabilis (Bleeding Heart), extra strong clumps, for forcing. Per 100, $8.00; per 1000, $45.00.

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JAPAN FERN BALLS, dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

ASPARAGUS SPRENGERI SEED, 35c. per 100; $2 50 per 1000.

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CANNAS, 25 varieties. Ask for prices.

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We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

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Mushroom Culture;

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50 lbs., $3.50

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Spiræa Japonica, Compacta Multiflora, Astilboides Floribunda

$3.00 per 100.

DEUTZIA Lemoinei	$15.00	per 100
LILACS, for forcing	35.00	"
AZALEA Mollis	40.00	"
" Pontica	45.00	"
ROSES, best varieties	10.00	"

FERN BALLS, large, 7-9....$22.50 per 100
" " extra, with tin cups 35.00 "
TUBEROSES, the Excelsior Pearl, 4-6, $7.00 per 1000; 3-4, $3.00 per 1000.
Prices on all Spring Bulbs & Plants cheerfully given

F. W. O. SCHMITZ, Prince Bay, N. Y.

HIGH GRADE SEEDS.

	Trade pkt.	oz.
Aster Queen of the Market, best early variety, in separate colors or mixed	$0 20	$0 50
" **Semple's Branching,** in separate colors or mixed	20	75
" **Giant Comet,** " " " " "	20	1 50
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Look through our new Catalogue for all other desirable kinds of Seeds at popular prices.

WALTER MOTT SEED & BULB CO.
JAMESTOWN, N. Y.

COCOS New Crop Weddeliana. Per 1000, $8.00; 5000, $35.00.

LATANIA BORBONICA Per lb. $1.00; 5 lbs. $4.00.

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Flower Seed, see last week's issue.

Stumpp & Walter Co

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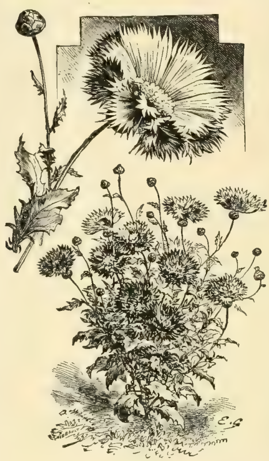

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The beautiful, artistic, swee scented flowers are borne on long strong stems and when cut stand for a week in good condition. A splendid thing for cutting during April, May and June. Should be sown at once. We can supply in the following colors:

	Trade Pkt.	Oz.
PURE WHITE	$0.20	$0.75
DELICATE LILAC	.20	.75
BRILLIANT ROSE	.20	.75
DEEP LAVENDER	.20	.75
DARK ROSE	.20	.75
DEEP PURPLE	.20	.75
FINEST MIXED COLORS	.20	.60

There is still time to sow **Ageratums, Petunias, Lobelias, Pyrethrum, Verbenas, Vincas, etc. etc.**

Our Wholesale Price List give a complete list; if you have not a copy we will send you one on receipt of your business card or other evidence showing that you are entitled to receive it.

DREER
714 Chestnut St., PHILADELPHIA, PA

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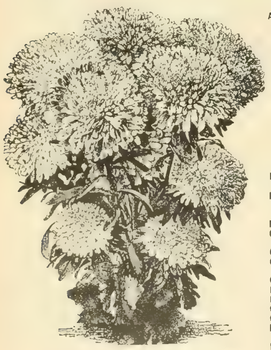
New Crop Flower Seeds for Present Sowing.



VAUGHAN'S IMPROVED VICTORIA ASTER.

	Trade Pkt.	Oz.
ALYSSUM, Vaughan's Little Gem, extra	.10	.25
Maritimum, sweet	.05	.15
ANTIRRHINUM. Large flowering, white, scarlet, pink, golden yellow each	.10	.25
ASPARAGUS Sprengeri, 1000 seeds, $1.00, 100 seeds, 15c.		
Decumbens.......... 100 seeds 75c.		
Scandens Deflexus...100 seeds, $2.00		
ASTER, Queen of the Market, white, pink, purple, light blue, scarlet, each..........¼ oz., 20c.	.10	.50

	Trade Pkt.	Oz.
ASTER, **The Carlson**, white, pink, rose, lavender, each, ¼ oz., 50c.	.20	1.25
Branching, pink, lavender, purple, each	.10	.85
white	.10	.60
rose	.10	.75
red	.10	1.00
mixed	.10	.50
Truffaut Perfection Pæonia-flowered, white, pink, light blue, purple, scarlet, blood-red, each	.20	1.00
Victoria, white, pink, light blue, purple, crimson, each	.25	1.75
Hohenzollern Extra Early, white or pink, (as early as Queen of the Market and better), each	.25	
BALSAM, Alba Perfecta .... ¼ oz. 30c.	.15	1.00
Double Rose-Flowered, white	.10	.50
BEGONIA Vernon	.15	3.50
Duchess of Edinburgh, new pink	.25	
Rex hybrids	.50	
BROWALLIA speciosa major	.25	
CANDYTUFT Giant, hyacinth-flowered white (better than Empress)	.10	.30
CELOSIA (Cockscomb) Pres. Thiers	.25	
CENTAUREA candidissima, 1000 seeds, 25c		1.50
Gymnocarpa	.10	.40
COBAEA scandens, purple, 4 oz., $1.00	.10	.30
DAISY, Burbank's new Shasta, true	.25	
DRACAENA Indivisa	.10	.30
GERANIUM, apple-scented, 250 seeds, 35c		
GREVILLEA robusta	.10	.40
KENILWORTH IVY (Linaria Cymballaria)	.15	
New white	.20	
LEMON VERBENA ....¼ oz., 40c	.25	
LOBELIA Crystal Palace Compacta	.15	1.25
Bedding Queen......¼ oz., 50c	.25	
Emperor William...¼ oz., 30c	.10	1.00
Speciosa (trailing)..¼ oz., 25c	.10	.75
White Lady, dwarf white	.15	
MAURANDYA, mixed..........¼ oz., 30c	.10	
MIGNONETTE Giant Machet, selected,	.10	.50
Bismarck, an improved Machet	.20	1.50
MIMULUS moschatus, Musk..⅛ oz., 20c.	.10	
PANSY, Vaughan's International Mixture..........⅛ oz., $1.50	.50	10.00
Vaughan's Giant Mixture, ⅛ oz., 60c	.25	4.00
Chicago Parks Mixture	.10	1.00
Masterpiece ....⅛ oz., $1.00	.25	6.00

	Trade Pkt.	Oz.
PETUNIA, "Vaughan's Best" mixture of large-flowering single Petunias, the best in existence	.50	
Giants of California	.35	
Double Large-Flowering Fringed, extra choice m'x'd	1.00	
Dwarf Inimitable	.25	
PRIMULA obconica, large-flowering white, rose or mixed, each	.25	
PYRETHRUM aureum, Golden Feather	.10	.40
SALVIA splendens. "Drooping Spikes,"	.15	2.00
Clara Bedman, very early, dwf	.25	2.50
New "Triumph," early	.25	
Silverspot	.25	
Golden-Leaved	.25	
SMILAX .... ¼ lb., 75c	.10	.30
STOCKS, Large-Flowering Ten Weeks, white, rose, light blue, crimson, dark blue, blood-red and extra choice mixed, each, ⅛ oz., 40c	.25	
"Cut and Come Again"	.25	2.00
White Column	.25	
Red Column	.25	
Snowflake, for forcing, white.	.50	
THUNBERGIA, mixed	.10	.30
VERBENA, Mammoth white, scarlet, rose, purple, each	.25	
Mammoth, mixd, extra choice	.15	1.00
Mayflower, best pink	.15	1.50
Defiance, fine scarlet, true	.10	1.00
"Vaughan's Best" mixture; there is no better or more complete mixture in existence..........¼ oz., 50c	.25	2.00
VINCA rosea, rosea fl alba, rosea alba pura and mixed, each	.15	.50

SWEET PEAS.

	¼-lb.	lb.
Mont Blanc, earliest white....5 lbs., $2.50	.20	.60
Emily Henderson..........5 lbs., 1.00	.10	.25
Josephine White, an A1 white	.30	1.00
Blanche Ferry..........5 lbs.. 1.00	.10	.25
Extra Early Blanche Ferry.....5 lbs.. 1.00	.10	.25
Lady Grisel Hamilton, lavender	.10	.30

TEN PER CENT. DISCOUNT FOR CASH WITH ORDER AMOUNTING TO TWO DOLLARS OR OVER.

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84-86 Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
14 Barclay Street

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New Crop Flower Seeds

PETUNIA Single Largest Flowered Fringed Mixed. Tr. Pkt. 50c Double Largest Flowered Fringed Mixed. Tr. Pkt. $1.00.

VERBENA Mammoth White, Pink, Scarlet, Blue and Striped, oz $1.25. Mammoth Mixed, oz. $1.00

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS

$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

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Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Our Catalogue for 1903 is now ready and will be mailed free on application. We handle only the very highest class seeds, making a specialty of choice flower seeds for florists, and selected vegetable seeds for market gardeners. For nurserymen we have a very full line of native and foreign tree and shrub seeds and full lines of hybrid French Gladioli, Japan Lilies and Irises, etc. Our general descriptive catalogue, the handsomest, most complete and most reliable published, will also be mailed free to parties interested.

J. M. THORBURN & CO.
36 Cortlandt St. New York

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Johnson & Stokes'
MAMMOTH VERBENAS

NEW CROP.

This splendid strain of Mammoth Verbenas can not be excelled for **immense size** of florets, large trusses and beautiful bright and distinct colors.

Mammoth Verbenas, J. & S. choice mixed..............2000 seeds, 20c.; per oz., $1 00
Mammoth Verbenas, separate shades, white, pink, scarlet and purple...2000 seeds, 25c; per oz., 1 25

JAPANESE LILIES.

IN SPLENDID CONDITION.

	12.	100.	1000.
Lilium auratum, 8-9	$0 75	$4 50	$40 00
Lilium auratum, 9-11	1 00	7 00	65 00
Lilium spec. album, 9-11	90	6 00	56 00
Lilium spec. rubrum, 8-9	$0 75	$4 75	$45 00
Lilium spec. rubrum, 9-11	90	6 75	65 00

See our Flower Seed Offer in last week's EXCHANGE.

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

1878—1903

25 YEARS IN BUSINESS

JAPAN FERN BALLS Grown one year—root system established—will leaf out at once, 7x9 in., each, 30 cts.; doz., $3.00; 100, $24.00.

FERN DESIGNS **Great Easter Sellers. Log Cabins,** Monkeys with China Mask, Monkeys Beating Drum, Monkeys in Swing, **life-like,** each, $1.00; doz., $10.00. **Crosses, Fish, Turtle,** each, 75 cts.; doz., $7.00. **Fern Wreath,** each, 30 cts.; doz., $3.00.

BULBS

Every Bulb we send out is sound and of best quality

	12	100
AMARYLLIS formosissima, brilliant scarlet	$0.30	$2.00
BEGONIA, tuberous rooted, 1¼ to 2 in., white, rose, red, yellow and orange, separate	.40	2.50
DOUBLE BEGONIA, 1¼ to 2 in., separate colors	.70	5.00
BEGONIAS, single and **double,** mixed, 1¼ to 3 in., very fine	.50	3.50
CALLA, spotted, large bulbs	.40	2.50
CALADIUM (Elephant's Ear)—		
6x8	.30	2.00
8x10	.40	3.25
10x12	.85	6.00
Monster	1.75	14.00
CALADIUM, fancy leaved. We handle only the choicest brilliant colored **Brazilian sorts,** to name. In 25 rarest varieties	1.25	10.00

Mixed stock does not pay to grow.

CANNAS. All florists' sorts (send for list), $2.00 to $4.00 per 100.

DAHLIAS. All florists' sorts. Send for list and price.

GLADIOLI. Clean, smooth stock—	12	100	1000
American Hybrids, 60 per cent. light and white	$0.15	$1.00	$9.00
MAY, florists' favorite forcer	.30	2.00	18.00
Choicest white and light	.25	1.75	15.00
Rose	.20	1.25	10.00
Groff's Hybrids	.40	3.00	25.00
All other mixed and named sorts.			
GLOXINIAS Hybrida erecta crassifolia, in separate white, blue, red, violet and tigered	.50	4.00	
Mixed	.40	3.00	
LILIUM Auratum, 9x11	1.00	7.00	
" **Rubrum,** 8x9	.85	6.00	
" **Album,** 8x9	.75	5.50	
" **Tigrinum,** single or double	.60	4.00	
TUBEROSES, double Excelsior Pearl—			
4x6 and over		1.00	8.50
3x4 and over		.50	4.00

SEEDS

	100	1000
ASPARAGUS Plumosus (ripens December)	$0.85	$7.00
ASPARAGUS Plumosus, true Nanus, (ripens February)	.85	7.00
ASPARAGUS Sprengeri, fresh crop	.20	1.25
LATANIA BORBONICA, about 185 seeds to the pound	.30	2.50
PANDANUS UTILIS	1.00	8.00
SMILAX SEED, per oz., 25 cts.; per lb., $2.50.		
SHASTA DAISY—Best paying cut flower	.25	2.00
DIANTHUS Orientalis, Japan fringed, semi-double and double Dianthus, magnificent range of colors and shape	.25	2.00
CRYPTOMERIA Japonica, equal to Araucaria Excelsa	.15	1.00

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47 Barclay St., NEW YORK

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(Sow in March)

Giant Comet WHITE, PINK, BLUE

Truffaut's Paeony Perfection WHITE, PINK, BLUE, PURPLE

Trade pkt., 25c.; oz., $1.50

D. LANDRETH & SONS,
FLORIST DEPARTMENT,
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50 very fine sorts.

DAHLIAS 35 very fine sorts.

GLADIOLI Very fine selected Groff's Hybrids, Lemoines, Childsii. Extra fine mixtures. Best named sorts.

MADEIRA VINES, OXALIS Named sorts.

CINNAMON VINES.

PEONIES Our collection is one of the most extensive and carefully selected extant. Over 350 very finest kinds.

Geraniums, Carnations, Roses, Etc., Etc.

We aim to have the very best.

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EVERYTHING TRUE TO NAME.

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NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

LARGE SHADE TREES.

For Varieties and Prices see Wholesale List.

☞ Young Stock for transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

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New Crop 1902 Now in Stock.
Really Produces Mushrooms

VAUGHAN'S MUSHROOM SPAWN

We supply the largest growers. Per 100 lb. $6.00 f.o.b. New York; $6.50 f.o.b. Chicago.

WRITE FOR PRICES ON QUANTITY.

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USE **CARNATION BANDS** BE UP TO DATE

Just what you want for split blooms, so small as not to be noticed when holding the calyx together.

TRY THEM

2000 for 25c.; 4500, 50c.; 7000, 75c.; 10,000, $1.00.

Send for Special Price List of Florists'

SEEDS, PLANTS and BULBS
HENRY F. MICHELL,
Seed Growers and Importers,
1018 Market St., Philadelphia

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HYBRID CARNATION SEED

MIXED. From Mrs. Lawson, Gov. Roosevelt, Wolcott, Violiana, Apollo and Golden Beauty, 100 seeds, $1.00. Standards, 100 seeds, 25c.

Burbank's Shasta Daisy Seed, 25c. per 100; $2.00 per 1000.

Asparagus Sprengeri Seed, New Crop, $1.00 per 1000.

Smilax Seed, 25c. per oz.

Pansy, Giant Flowering, mixed, $2.00 per oz.

CALIFORNIA CARNATION CO.,
LOOMIS, CAL.

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SUMMER FLOWERING BULBS.

BEGONIAS, TUBEROUS ROOTED.

Single—White, crimson, rose, yellow and orange, 40c. doz.; $3.00 per 100; $25.00 per 1000

Single, Finest Mixed 35c. doz.; $2.50 per 100; $22.00 per 1000.

Double—Scarlet, rose, white and yellow, 65c. doz.; $5.00 per 100; $40.00 per 1000.

Double, Finest Mixed—50c. doz.; $4.00 per 100; $35.50 per 1000.

Duke Zeppelin—Bright scarlet bedder, 20c. each; $2.00 per doz.; $15.00 per 100.

New Frilled—Beautifully fringed like a single Petunia, 25c. each; $2.50 per doz.; $20.00 per 100.

CALADIUM, Fancy Leaved—25 named sorts, $1.25 doz.; $10.00 per 100. Choice mixture, $1.00 doz.; $8.00 per 100.

CALADIUM Esculentum Elephant's Ear

	Doz.	100
6 to 8 inches in cir.,	40c.	$3.00
8 to 10 " "	65c.	5.00
10 to 12 inches in cir.,	90c.	$7.00
12 to 13 " "	$1.25	10.00

GLOXINIAS—Finest strain, choice bulbs, in red, white, blue or in choicest mixture, 50c. doz.; $4.00 per 100; $35 00 per 1000.

ISMENE Calathina—$1.50 doz.; $10.00 per 100.

LILIUM Auratum—8 to 9-inch, 75c. doz.; $5.00 per 100. 9 to 11-inch, $1.00 doz.; $8.00 per 100. 11 to 13-inch, $1 75 doz.; $14.00 per 100.

LILIUM Speciosum Album 8 to 9-inch, 75c. doz.; $6.00 per 100.
" " **Rubrum**—8 to 9-inch, 75c. doz.; $6.00 per 100.

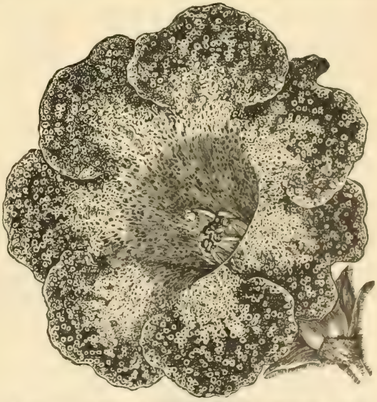
GLADIOLUS—American Hybrids, Choicest Mixed, $1.00 per 100; $9.00 per 1000.

MONTBRETIA—Six choice named varieties, 25c. doz.; $1.75 per 100; $12.50 per 1000.

TIGRIDIA Conchiflora, Grandiflora alba, Pavonia—$2.00 per 100; $15.00 per 1000.

TUBEROSES—Double Pearl, 1st size, $1 00 per 100; $9.00 per 1000.
" " " 2nd " .60 " 5.00 "

For complete list see our Wholesale Price List—free to florists.



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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

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MICE
PROOF
SEED
CASES.

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I have 2000 pounds of Yellow Strausburg and Yellow Globe Danvers **ONION SEED**; grown from selected bulbs, in 1902. Quality guaranteed. For prices write to

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President McKinley, President Cleveland, Chas. Henderson, Paul Marquant, Secretaire Chebanne, Alphonse Bouvier, Campbell, Chicago, Queen Charlotte, Mme. Crozy, Yellow Crozy, Golden Bedder, Florence Vaughan, same dwarf; Kronos, Allemania, Burbank, Orange Queen, Eldorado, Admiral Dewey, Duke of Marlborough, Alba Rosea, or Peach Blow, Mlle. Berat, Robert Cristy, Cuba, Gov. Roosevelt, Samuel Trelease, Defender, Childsii, Robusta, Cabos, Hillaire, Flamingo, 2-3 eyes, sound tubers, $1.25 per 100; $12.00 per 1000; 5000, $40.00 per 1000.

Cash with order.

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1007 Walnut Street.

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GLADIOLI FOR FORCING

The following are extra fine for forcing under glass or early flowers outside.

	1000
AUGUSTA, White with blue anthers	$50.00
BRENCHLEYENSIS, Scarlet	6.00
CERES, Rose and white	8.00
LAMARCK, Cherry	15.00
MAY, White flaked crimson	20.00
COLUMBIA, Orange-scarlet, mottled	20.00
H. GILMAN, Salmon-scarlet	$20.00
WM. FALCONER, Extra fine pink	20.00
SHAKESPEARE, White, suffused crimson-rose	50.00
EXTRA WHITE AND LIGHT, Mixed	25.00
WHITE AND LIGHT, Good mixed	12.00
SCARLET AND RED, " "	7.00

250 at 1000 rate. 8 per cent. discount for cash with order.

Special Prices on Large Quantities.

We have a large stock of the following: **Madeira Vines, Oxalis, Montbretias, Spotted Callas, Apios, Hyacinthus, Candicans, Etc.**

Wholesale Catalogue on application.

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NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each.
$7.50 per Dozen; $50.00 per 100. Stock limited.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; **$100.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. One-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30.00 per** 100. Two-year field plants, 3 to 3½ ft., **Bushy, $7.00** per doz; **$50.00** per 100.

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And Caladium Esculentum Bulbs and Canna Roots, leading varieties. Write to

JOHN F. CROOM & BRO.

Growers, MAGNOLIA, N. C.

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VENTURA-BY-THE-SEA, CAL.

Farfugium Grande, tubers, 2½ to 3 in. in diam., $11.00 per 100. 1-in., $5.00 per 100; ¾-in., $3.00 per 100 postpaid. From 4-in. pots, $10.00 per 100, $1.50 per doz.

Epiphyllum Lateritium Alba (Christmas Cactus), small blooming plants, $2.50 to $5.50 per 100, postpaid.

Epiphyllum Violaceum (Christmas Cactus), small blooming plants, $2.50 to $5.50 per 100, postpaid.

Pteris Tremula, from 2½-in. pots, $3.00 per 100, postpaid.

Seaforthia Elegans, from 2½-in. pots, $3.50 per 100, postpaid.

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Probably you have heard of this famous motto for many years but have *you* proved for yourself that Burpee's Seeds are the

BEST that Grow?

If not, write to-day for Burpee's Farm Annual for 1903—so well known as "The Leading American Seed Catalogue." It is an elegant book of 184 pages, with beautiful colored plates and will be sent **FREE to planters** everywhere;—to others upon receipt of 10 cents, which is less than cost per copy in quarter million editions. **Write TO-DAY. Do not delay!** It is sufficient to address simply

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BLUE LIST OF WHOLESALE PRICES mailed only to those who plant for profit

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MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

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Strong and fine plants, just right for St. Patrick's Day. $4.00 per 100; or 60 cts. per doz. by mail.

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Verbena Grandiflora. Finest mammoth-flowering mixed. 1000 seeds, 50c.

Cineraria. Finest large flowering dwarf. 1000 seeds, 50c.

Cyclamen Giganteum. The choicest giant-flowering varieties in best mixture. 200 seeds $1.00; half pkt., 50c.

Phlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.

Alyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.

Chinese Primrose. Finest large-flowering fringed varieties, mixed; single and double, fifteen vars., 500 seeds, $1.00; half pkt., 50c.

Pansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00, half pkt., 50c.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

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Aster Seed

of excellent quality. Semple's Fine Branching, Mixed, 8 lbs., $4.50 per lb. The lot for $4.00 per lb.; oz., 50 cents. Flowers will sell on sight.

C. W. TURNLEY, 535 Federal St., Camden, N. J.

Mention the Florists' Exchange when writing.

Aster Seed

Semple's finest mixed, 50 cts. per oz.; $5.00 per lb.

VIOLETS, rooted runners, Marie Louise, Lady Campbell and Imperial, 50 cts. per 100; $4.00 per 1000.

CINERARIA, Rupp's Strain, 4 in., $5.00 per 100.

DAISIES (Bellis), fine plants, 40 cts. per 100; $3.00 per 1000

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets,** $10.00 per 1000.

Madeira Roots and **Gladioli,** $1.00 per 100.

Tritoma Uvaria, strong field roots, $6.00 per 100.

Shrubs and Vines. Send for List.

CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa.

Mention the Florists' Exchange when writing.

BULBS! BULBS! BULBS!

5,000 Caladium Bulbs, to close out at once. Also write us for contract prices on Tuberoses, Fall delivery.

STALLINGS & JOHNSON, Wallace, N. C.

Mention the Florists' Exchange when writing.

Fern Balls

FRESH LOT

JUST IN

Write for Prices

Jackson & Perkins Co.

NEWARK, N. Y.

Mention the Florists' Exchange when writing.

HIGH GRADE

FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

R. & J. FARQUHAR & CO.

6 and 7 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK.

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RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower

Quedlinburg, Germany

Mention the Florists' Exchange when writing.

High Grade Forcing Bulbs

G. VLASVELD & SONS,

Sassenheim, Holland.

Growers of Superior Hyacinths, Tulips and Daffodils

Address all communications care

Messrs. Maltus & Ware, 136 Water St. New York.

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

PEORIA, ILL.—James C. Murray has opened a seed store at 321 South Adams Street. The store will be managed by John Michie, a seedsman of 20 years' experience.

ST. JOSEPH, MO.—The Missouri Valley Seed Company, which recently moved into larger quarters at 110 South Fourth street, will employ thirty persons in its seed packing department this season, as against four seed packers last year. The firm reports a heavy sale of early Spring flower seeds. A. G. Samuel is manager of the company.

ST. PAUL.—Catalogue men in general, seedsmen in particular, will hail with delight the new postage bill which provides for the mailing of catalogues in bulk the same as newspapers. The department will be saved a stupendous amount of labor, likewise the seedsmen. The department will save not only the expense of canceling stamps, but also the cost of printing them, which, in the aggregate, must amount to thousands of dollars annually. The seedsmen will save the cost of stamping and in many instances the cost of the wrapper, as all catalogues for a common post office can be addressed in pencil and wrapped in a common bundle to be distributed by the postmaster to the separate addresses.

As the season advances the shortage of many varieties becomes more apparent. The prevailing scarcity of so many stocks should revert to the benefit of the catalogue men, for country merchants will not and cannot stock up on scarce sorts with the result that the farmers will order direct.

VERITAS.

CUSTOMS DECISION AS TO DRIED PEASE.—The following decisions have been handed down by the general appraisers at New York:

SEED PEASE. The term "seed pease" in paragraph 250, tariff act of 1897, applies to selected varieties of pease ordinarily knowns as vegetable seeds, which are sold under various fancy names, and are planted in gardens and on truck farms to raise green pease, used as food for table or culinary purposes.

BLACK-EYED MARROWFAT AND WHITE-EYED MARROWFAT PEASE.—Dried peas of these varieties, chiefly used as seed to raise pease for culinary purposes in the form of green pease, are dutiable as seed pease, at 40 cents per bushel, under said paragraph 250.

FIELD PEASE.—The Canadian field pea, sometimes called the "Canadian Beauty" pea, which is adapted to the purposes of raising ensilage and forage for cattle, or for enriching the soil by being plowed under, and which is imported almost exclusively for manufacturing purposes, such as the making of split pease for soup, and for other consumption purposes not culinary, cannot be classified as a seed pea, but is dutiable, when in a dried state, under the same paragraph at 30 cents per bushel, as "pease, dried, not specially provided for."

THE "MUSTARD SEED" CASE.—The famous mustard seed case of William H. Bell, of the town of Lockport, N. Y., against Frank B. Mills, of Syracuse, N. Y., has been settled on the defendant's proposition. The plaintiff purchased a quantity of seed oats from the defendant, who is a seedsman, and after they had been sowed it was found that they contained a large percentage of wild mustard seed. As a consequence, Bell's farm was badly injured for some time and he brought suit to recover from the seedsman. A verdict of $900 was first awarded him and this was set aside and a new trial ordered. On the new trial the case was non-suited and an appeal taken to the Appellate Division ordered a new trial, on the ground that there was error in taking the case from the jury. The terms of settlement are private.

European Notes.

The clearing away of the frost has enabled us to take a final look round at our cabbage plants and pull out the latest developments in rogues. The early varieties having been more perfectly developed appear to have stood the Winter fairly well; but the later sorts, which did not get sun enough to develop them, are a very moderate lot.

A small fire broke out in the warehouse of Jacob Wrench & Sons through a careless act on the part of a passerby! The damage was slight.

L. G. King, of John K. King, Coggeshall, has passed away at a comparatively early age. He had been ill for a long time.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

WESTERN SEED AND IRRIGATION COMPANY, Waterloo, Neb.—Price List of Seed Corn and Vine Seeds, etc.

ARTHUR COWEE, Berlin, N. Y.—Catalogue of Groff's new Hybrid Gladioli, with other varieties of acknowledged merit. An interesting pamphlet, profusely illustrated.

THEODOSIA B. SHEPHERD COMPANY, Ventura-by-the-Sea, Cal.—Descriptive Catalogue of Seeds, Bulbs and Plants, with an interesting list of Novelties and Specialties. Illustrated.

W. B. LONGSTRETH, Gratiot, O.—Illustrated Catalogue of Garden, Field and Flower Seeds, Supplies, etc.

PLEASANT VALLEY NURSERIES, Moorestown, N. J.—Illustrated Catalogue of Nursery Stock. Arthur J. Collins is proprietor of this concern.

MISS C. H. LIPPINCOTT, Minneapolis, Minn.—Catalogue of Flower Seeds, Plants, etc. Illustrated.

T. R. WATSON, Plymouth, Mass.—Catalogue of Nursery Stock, Perennial Herbaceous Plants, Conifers, etc. Established 60 years.

JOSEPH BRECK & SONS CORPORATION, Boston, Mass.—Catalogue of Seeds, Bulbs, Plants, Supplies, etc. A very comprehensive and valuable catalogue, giving full descriptions and other instructive information.

Japan Bamboo Canes

The best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

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A rare opportunity to lay in stock. The plants are fine and in perfect condition. 50 at 100 rates; 250 at 1000 rates.

	Doz.	100
Achillea Millifolium Roseum "Cerise Queen"	$ 50	$3.50
Achillea Ptarmica fl. pl. "The Pearl"	50	3.50
Adlumia Cirrhosa (Mountain Fringe)	50	3.50
Anemone Japonica Alba, 3-in. pots	50	4.00
Anemone Japonica Elegantissima, 3-in. pots	50	4.00
Anemone Japonica "Lady Ardilaum," 3-in. pots	50	4.00
Anemone Japonica "Queen Charlotte," 3-in. pots	50	4.00
Anemone Japonica Rosea Superba (new), 3-in. pots	1.00	6.00
Alyssum Saxatile Compactum	50	4.00
Arabis Albida (Alpina.) Rock Cress	50	3.50
Aster Novæ Anglæ Rosea	50	3.50
Astilbe (Spiræ) Japonica	50	3.50
Boltonia Asteroides	50	3.50
Boltonia Latesquamæ	50	4.00
Baptisia Australis (False Indigo)	50	3.50
Bocconia Cordata (Japonica)	50	4.00
Campanula Media (Canterbury Bells)	50	3.50
Campanula Persicæfolia Grandiflora	50	4.00
Campanula Persicaefolia Grandiflora Alba	75	5.00
Clematis Davidiana	50	4.00
Clematis Integrifolia Durandi (new), strong plants in pots	3.50	
Coreopsis Lanceolata (true)	50	3.50
Coreopsis Lanceolata Grandiflora	50	2.50
Daisy "Prince Henry" (new), 3-in. pots By far the finest of the hardy Daisies yet offered.	1.50	10.00
Daisy "Shasta," 3-in. pots	75	5.00
Delphinium Formosum	50	4.00
Delphinium Hybridum, 3-in. pots	50	4.00
Delphinium Hybridum Kelway's, 3-in. pots	75	5.00
Desmondium Penduliflorum	1.00	6.00
Dicentra Spectabilis (Bleeding Heart)	75	5.00
Digitalis Gloxinoides, 3-in. pots	50	4.00
Digitalis Purpurea, 3-in. pots	50	3.50
Euphorbia Corollata (Flowering Spurge)	50	3.50
Funkia, Ovata (Blue Day Lily)	50	3.50
Funkia Undulata Variegata (Variegated Day Lily)	50	4.00
Funkia Subcordata (Grandiflora) White Day Lily	1.00	6.00
Gaillardia Grandiflora (Blanket Flower)	50	4.00
Gypsophila Paniculata (Baby's Breath)	50	3.50
Helianthus Maximilliana	50	3.00
Helianthus Mollus (Downy Sunflower)	50	2.50
Helianthus Multiflora fl. pl. (Double Sunflower)	50	4.00
Helianthus Multiflorus Grandiplenus The finest of the hardy Sunflowers.	1.00	6.00
Hemerocallis Dumortieri (Golden Day Lily)	50	3.50
Hemerocallis Fulva (Tawny Day Lily)	50	3.00
Hemerocallis Flava (Lemon Lily)	50	4.00
Hemerocallis Kwanso (Fulva fl. pl.) Double Day Lily	50	4.00
Hemerocallis Thunbergii	75	5.00
Heuchera Sanguinea	75	5.00

HOLLYHOCKS.

	Doz.	100
Double, mixed colors	1.00	6.00
Single, mixed colors	75	5.00
Allegheny, mixed colors	1.00	6.00

JAPANESE IRIS.

	Doz.	100	1000
Twenty superb named sorts, strong roots	$0.50	$4.00	$35.00
Iris Nudicaule (Dwarf Iris)	50	2.50	20.00
Iberis Sempervirens (Evergreen Candytuft)	50	3.50	
Lathyrus Latifolia (Perennial Pea)	75	5.00	
Lobelia Cardinalis (Cardinal Flower)	50	4.00	
Lysimachia Nummularia (Moneywort)		2.00	15.00
Monarda Didyma (Bee Balm or Oswego Tea)	50	3.50	
Nepeta Glechoma (Ground Ivy		1.50	10.00

GERMAN IRIS.

	Doz.	100	1000
Ten fine named sorts, strong year-old roots	$ 50	$2 50	20.00
Fine Mixed, strong year-old roots		2.00	15.00

PHLOX.

	Doz.	100	1000
Decussata. Choice named sorts	50	3.50	
Decussata mixed strong plants	50	3.00	
Amœna (Lovely Phlox)	50	4.00	
Subulata (Moss Pink). Two varieties — white and pink	50	2.50	20.00
Physostegia Virginica (American Dragon's Head). The most valuable hardy herbaceous plant in cultivation. Strong field-grown plants	50	4.00	35.00
From 2½-in. pots	50	3.00	25.00
Physostegia Virginica Alba	1.00	6.00	
Polygonum Amplexicaule Oxyphillum (Mountain Fleece)	50	4.00	
Platycodon Mariessi	50	3.50	

PYRETHRUM ROSEUM.

	Doz.	100
Single, Kelway's Strain	75	5.00
Double, named sorts	1.50	10.00
Pyrethrum Uliginosum	50	3.50

HARDY PINKS.

	Doz.	100	1000
Her Majesty	50	4.00	
Mrs. Sinkins	50	4.00	

PÆONIAS.

	Doz.	100
Twenty Kelway's choicest double varieties, strong roots, 2 and 3 eyes each	1.50	10.00
Fine double mixed, strong roots, 2 and 3 eyes each	1.25	8.00
Papaver Orientale (Oriental Poppy), strong pot-grown plants, which transplant without loss.	50	4.00
Pardanthus Sinensis (Blackberry Lily)	50	2.50
Penstemon Barbartus Torreyi	50	3.50

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	Doz.	100	1000
Golden Glow. Field plants	50	2.00	15.00
Golden Glow. Clumps	1.00	6.00	
Purpurea (Great Purple Cone Flower)	75	5.00	
Maxima (Great Cone Flower)	75	5.00	
Sub-Tomentosa (Black-eyed Susan)	50	3.50	
Sedum Maximum (Great Stone-crop)	50	3.00	
Sedum Spectabilis Variegata	50	4.00	
Spiræa Chinensis (Sinensis)	1.00	6.00	
Spiræa Palmata (true)	75	5.00	
Spiræa Palmata Elegans	75	5.00	
Stachys Lanata (Woolley Woundwort)	50	3.50	30.00
Vareliana Officinalis (Garden Heliotrope)	75	5.00	
Veronica Longifolia Subcesselis	75	5.00	
Veronica Incana	75	5.00	
Veronica Spicata	50	3.50	
Violet, "Princess of Wales"	50	3.50	

HARDY GRASSES.

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Eulalia Gracillima Univittata (Japan Rush) clumps, 3-in. square	50	3.50
Eulalia Japonica Variegata, clumps, 3-in. square	50	3.50
Eulalia Japonica Zebrina (Zebra Grass), clumps 3-in. square	50	4.00
Phalaris Arundinacea Variegata (Variegated Ribbon Grass)	50	3.00
Uniola Latifolia (Seaside Oats)	75	5.00

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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

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12 in., Bushy, from 4-in. pots..........$20.00 per 100
15-18 in., " " " .... 30 00 "

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10-12 in., Bushy, from 4 in. pots ....$20 00 per 100

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12-15 in, Bushy, from 4-in. pots.......$20 00 per 100
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ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3 00 each.

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Climbing Clothilde Soupert,
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A fine variety, somewhat similar to C Paniculata, but blooms Earlier and Lasts Longer—Strong plants from 3-in. pots.......$8.00 per 100

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2-3 eyes to each division, best sorts...$15.00 per 1000

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Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in. $8 00 per 1000
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Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

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NORWICH NURSERIES,

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E. G.—Norway Maples, 12 ft., $25.00 per 100.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

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Extra fine stock for mailing; 8 to 18 inches in height, $10.00 per 1000; $2.00 per 100.

FANCY-LEAVED CALADIUMS in collection of 20 choice sorts, $3.50 and $4.50 per 100.

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George C. Seager, Rochester, N. Y., Secretary
C. L. Yates, Rochester, N. Y., Treasurer.

RIVERSIDE, CAL.—The Chase Nursery Company has purchased 1,250 acres of choice foot hill land here, and will plant out an orange grove of 750 acres. It is reported that $60,000 was paid for the tract. This land is all above water, and a pumping plant, with a 75-horsepower engine and triplex pump, will be at once installed to lift the 200 inches of water needed to irrigate the tract.

Mosquito Bane.

Under the heading of Mosquito-Bane the London Gardeners' Chronicle contains the following: "Mr. Shipley records in Nature the belief entertained in Western Africa that mosquitoes are driven away by a particular plant, some leaves of which have been sent to Kew, and have been identified as belonging to Ocimum viride. Captain Larymore, the resident of the Kabba province, northern Nigeria, confirms the notion of the efficacy of the plant, for he says that by placing three or four of these plants round his bed at night he was able to sleep unmolested without using a mosquito net. Mr. Shipley collects a considerable amount of evidence to show that the plant has valuable medicinal properties, and may possibly be of service in banishing the gnats which are the carriers of the malaria poison." This may contain a hint which may be serviceable to florists, who often have many mosquitoes in their greenhouses, because of the presence of so much heat and moisture. As many readers will know, this plant belongs to the basil family, the well-known sweet basil being Ocimum Basilicum; and may it not be that this or some other species may possess the same virtue as O. viride.

Hardiness of Chamaerops Excelsa.

A friend asks me if I think the Chamærops excelsa would prove hardy in a garden in southern Virginia. I cannot say, but would have hopes of its success there. It is a native of China and Japan, and many plants from those countries endure considerable cold. It lives outdoors along the south coast of England, where the plants endure 15 degrees of frost at times. There are large specimens there which are of a flowering age, and which produce well-ripened seeds annually. Doubtless this and many other nice things would flourish in places where they are yet untried, were the attempt made.

Climate as Affecting Hardiness.

In the English Journal of Horticulture, with some notes of Smilax argyrea and others, it is said our wild green briar, Smilax rotundifolia, "is almost or quite hardy, and has stood out on pergola chains and on pillars north of the rock garden at Kew for some years." Think of it, a vine which stands our hardest Winters, say, 15 degrees below zero, being spoken of as "almost or quite hardy" in the comparatively mild climate of England! We know that the thorough ripening of wood which plants of all kinds get here has much to do with their passing our Winters uninjured, but none of us would think our old friend the green briar would fail to do there what it does here, viz., thrive wherever it gets a foothold.

Sowing Seeds of Ampelopsis Veitchii.

Ampelopsis Veitchii, the Japanese ivy, is a vine nurserymen and florists sell by the thousands. Before large vines were as plentiful as they are today, the plant was increased mainly by cuttings; but at the present time seeds can be had so easily and cheaply that to propagate it by seeds is the plan almost everyone adopts. Seeds sown now, in boxes, under a greenhouse stage, and brought to the light when the seeds begin to germinate, which should be in April, give good, strong seedlings by Autumn.

Nurserymen sow the seeds outdoors in Autumn, or keep them in a damp place until Spring, sowing them as early as the ground will permit, and the product either way is hundreds of thousands of seedlings.

CANNAS

LARGE, DORMANT ROOTS

Two, Three and More Eyes

We have them in quantity. **25 acres planted in 1902. Standard Sorts—Your Choice—Too well known to need description. 30 cts. per doz.; $2,00 per 100; $15.00 per 1000.** No less than 20 at 100 rate; 200 at 1000 rate.

Mme. Crozy, Paul Marquant, Burbank, Chas. Henderson, Alphonse Bouvier, Peachblow, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria, Alsace, Morning Star

See front page of cover for all other Spring Bulbs and similar prices.

CLUCAS & BODDINGTON CO.

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Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants. Telephone 4390 Spring

Mention the Florists' Exchange when writing.

Skimmia Japonica.

The Skimmia japonica is one of the dwarf broad-leaved evergreens rarely seen in this country, yet entirely hardy, at least as far north as Philadelphia, where plants of it have stood out unprotected for many years. It is one of many of the evergreens which owe their obscurity to the lack of enterprise of importers to invest a few dollars to test many plants of this class almost unknown here. There has no doubt been some excuse for this in the years past. The nurseryman's sales were made North, hence he grew and imported such sorts only as were very hardy. Now his sales are extending South as well, and to keep his trade o the height of others he will have to embrace in his lists, not only stock hardy with him, but that also which will be hardy hundreds of miles south of him. And this he will have to be doing soon, or get left a long way behind.

The Skimmia japonica is but a dwarf evergreen, rarely growing but two to three feet high. Its flowers are white and of delicious fragrance; and succeeding the blooms are berries, which become of a bright red and which last all Winter. When well berried the plant is very handsome. It makes an exceedingly effective pot plant, and can be increased from seeds or cuttings.

Magnolia Grandiflora.

It is said of the Magnolia grandiflora that when groves of it are in blossom in the South the odor of the flowers is almost intoxicating. Our few solitary specimens here do not give us a chance to realize this delight, though the individual flowers are slightly fragrant. But the broad, shining evergreen leaves give such a marked character to the tree that one can scarcely believe it to be a native of an American forest. As in most cases of plant species, there are striking variations in the individuals. Some have long and quite narrow leaves, others leaves almost round, and then, while some are green on both sides, others are of a deep cinnamon color on the underside. These "fuzzy" ones, as they are called, have also fuzzy shoots; and, because of the contrast of color, many prefer this sort to any other.

It has been said that the flowers follow in their petals the form of the leaf, being narrow-petaled on the narrow-leaved ones, and broad-petaled on the broad-leaved sorts. How this may be I do not know, but Mr. John Fraser, of Huntsville, Ala., says the narrow-leaved ones are the first to flower.

Besides being hardy in sheltered places as far north as Philadelphia, this magnolia makes an excellent tub plant.

Hardy Azaleas.

During the month of May almost all of the azaleas flower. The only one of our native species which does not, that I know of, is A. viscosa, which comes later, in July.

Azaleas, when in bloom, are often less satisfactory than they would be because of the plants having been in an open sunny situation, where the blossoms quickly fade. In strong sunlight and dry air they quickly droop. Azaleas are naturally shade-loving plants, and always show their appreciation of being planted in such a situation.

How often are nice collections of the Ghent, the mollis, and other choice sorts seen set out in beds in the full sun, and often dry at the roots besides!

The proper position for these plants is one where a little of the morning sun will reach them, but not that of midday or of the early afternoon.

I have often seen imported azaleas suffer badly from poor planting. As they reach us, usually, there is a large ball of earth attached to them. When planting them no effort is made to compact the new soil with the ball, resulting in a drying out of the plant, even in but moderately dry times.

Some of our native azaleas are extremely handsome. Particularly is this true of A. calendulacea—the flame-colored one. The common A. nudiflora could be introduced to many of our half-wild shrubberies, as well as A. Vaseyi, the pink one of the Carolinas. Any place that is quite damp will be the very spot for A. viscosa, and when in possession of this there will be flowers in July, white and sweet-scented.

Hardiness of English Walnut.

Correspondents often ask me how far north the English walnut may be considered hardy. In answer I have told them that Pennsylvania seems to be the line, though along the coast the trees are found in Connecticut and large ones have been seen thriving near Lake Ontario, N. Y. A good deal of the hardiness of young plants depends on where the nuts were ripened. There are localities in Germany where the trees thrive when the thermometer marks pretty cold weather in Winter, and nuts from such trees would give hardier progeny than those from trees in the South of Europe. There is no doubt of this; and if nurserymen would endeavor to secure nuts from such sources this walnut might be grown further north than it is. There are trees in Germantown, Philadelphia, planted by the old Germans who settled there years ago, old and of great size, which are absolutely hardy. Nuts from such trees would give hardier seedlings than those from trees further South, or which had never experienced hard freezings. Walnut seedlings, as generally offered by nurserymen, are those that have been imported from Europe or raised from imported nuts. Even in Philadelphia these seedlings, when but a foot or so in height, are apt to have their leading shoot killed in Winter. This is what makes so many trees low-branched that come from imported nuts. After a few years have passed and the trees get hard wood the Winters do not affect them.

This suggests the sowing of the seeds in places where the wood will get well ripened in Autumn, giving them a better chance to get through the Winter safely. JOSEPH MEEHAN.

PAMPHLETS RECEIVED.

FLORICULTURAL AND HORTICULTURAL LITERATURE.—This is a very comprehensive catalogue of books on Botany, Horticulture, Floriculture and kindred subjects, compiled and published by The A. T. De La Mare Printing and Publishing Company, N. Y. (publishers of the Florists' Exchange), from whom copies can be secured on application. Considerable care has been exercised in the work of compilation, and the selections present the best books of their class. We heartily recommend this catalogue to the craftsman who is an intending book buyer.

UTICA, N. Y.—Business is rather quiet. A. J. Williams was frozen out of some of his houses; something wrong with boiler. McQuivey has plenty of work. F. J. Baker is doing a good trade. Peter Crowe has turned reformer; he is busy trying to clean his neighborhood of some obnoxious folk. William Mathews is cutting a great many orchids, which are being used to good advantage in funeral work. Geo. H. Benedict cannot supply the demand from out-of-town customers. Pfiefer keeps pretty busy. F. E. Shaw has a large quantity of funeral work. W. A. Rowlands has a contract for all his carnations and cannot get enough. He has a fine range of houses devoted exclusively to this stock.

1000 Mme. Salleroi Geraniums

From soil, ready for 2½ in. pots, $20.00 per 1000.

500 Golden Margurites "True"

2½ in. pots, $4.00 per 100.

JOHN BURR, Freeport, Maine

GERANIUMS, Labeled, 2-inch, $2.00 per 100
CHRYSANTHEMUMS, Labeled, 2-inch, $2.00 per 100
SELAGINELLA DENTICULATA, 2 inch, $2 per 100. No. 1 stock. Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS.

Double Gen. Grant, S. A. Nutt, Poitevine, out of 2½ in. pots, all strong plants, $3.00 per 100; $25.00 per 1000.

Ageratum, three varieties, **Alternanthera**, red and yellow, $2.00 per 100; $18.00 per 1000.

Cash with order, please.

M. H. KRUSCHKA, Elberon, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

BEGONIAS, FUCHSIAS, ALYSSUM and ASPARAGUS PLUMOSUS.

WRITE

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots. ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Coleus, strong, rooted cuttings, free of mealy bugs, Verschaffeltii, Golden Bedder, Golden Queen and other varieties........$5.00 per 1000
Double Petunias, rooted cuttings, $1.25 per 100
Heliotrope, all dark varieties....... 1.00 "
Feverfew, in fine shape................. 1.25 "
Ageratum...................................... .60 "

Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

GERANIUMS Fuchsias Petunias Sage, Etc.

Plants in pots sent with little soil. Landry, Nutt, Buchner, Ricard, Poitevine, Perkins, J. P. Cleary, Dryden, Hill other finest single and double, $15.00 per 1000 assorted. List free.

COLEUS Very brightest fancy, $5.00 per 1000, G. Bedder and Queen, 60c. per 100

CANNAS Scarlet, white, yellow, crimson and gold edged, roots, $1.25 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000; $100.00 per 10,000.

Extra strong transplanted, from soil, 10,000 S. A. Nutt, $14.00 per 1000; 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt**, at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard**, at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin**, at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS, COLEUS, PETUNIAS

CHRYSANTHEMUMS, ETC.

FIRST CLASS STOCK FROM 2¼ INCH POTS

GERANIUMS

DOUBLE.

Centaure, Comtesse de Harcourt, Double General Grant, Le Cid, John Doyle, La Favorite, Jean Viaud, Marquis de Montmort, Mme. Landry, S. A. Nutt and other varieties.

SINGLE.

Granville, Jacquerie, Mme. Bruant, Queen of the West, Single Gen. Grant, and other varieties.

$2.00 per 100; Our Selection, 1000 for $17.50

SCENTED.

Rose, Balm, Nutmeg, Lemon and Oak Leaved, $3.00 per 100.

COLEUS

Golden Bedder, Golden, Pink and Crimson Verschaffeltii, John Pfister and Annie Pfister, Massey and 10 other varieties, $2.00 per 100.

PETUNIAS

Single Fringed	$2.50 per 100
Double Fringed	2.50 "
Double Named	3.50 "

CHRYSANTHEMUMS

Autumn Glory, Colonel D. Appleton, Eureka, Glory of the Pacific, Mrs. Perrin, Mrs. O. P. Basset, Mrs. Murdock, Wm. H. Lincoln, Bessie Burton and others, ready now, $2.00 per 100.

POMPON CHRYSANTHEMUMS, 50 varieties, $2.00 per 100.

MISCELLANEOUS GREENHOUSE PLANTS

	2¼-IN. POT, PER 100
Abutilon, in Variety	$2.50
Achyranthes, in Variety	2.00
Ageratum { Stella Gurney and Dwarf White }	2.00
Alyssum { Giant Double and Dwarf Double }	2.00
Alternanthera, in Variety	2.00
Cannas, Dormant roots, mixed, $1.00 per 100. Named	2.00
Dahlia Roots, our selection, Strong Field-Grown Roots, $4.00 per 100. Purchaser's selection	5.00

	2¼-IN. POT, PER 100
Fuchsias, In Variety	$3.00
Forget-me-not, Large Flowering, Blue, from 2½ in. pots, $2.50 per 100	
Hardy English Ivy	2.00
Lantana, 10 Varieties	2.00
Lemon Verbena	2.50
Salvia, Silver Spot, Bonfire and Splendens	2.00
Smilax	2.00
Swainsona Alba	2.00

(Rooted cuttings of Hardy English Ivy, 75 cts. per 100, $5.00 per 1000.)

NOT LESS THAN FIVE OF ANY ONE VARIETY SOLD. SEND FOR TRADE LIST OF FULL LINE OF GREENHOUSE AND BEDDING PLANTS. CASH WITH ORDER.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Place Your Order AT ONCE for the Best. Do Not Delay.

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
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Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen

Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella

Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney

Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.

JOLIET, ILLINOIS.

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NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, **$10.00 per 100; $75.00 per 1000.**

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

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CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	**Nelson**	$5 00	$40 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	4 00	35 00	**Chicago (Red Bradt)**	2 00	15 00
G. H. Crane	2 00	15 00			

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 50	12 50	**Hoosier Maid**	1 25	10 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Murphy's White**	6 00	50 00
White Cloud	1 25	10 00	**Norway**	1 50	12 50

VARIEGATED.

Mrs. G. M. Bradt...... ...... $2.00 per 100; $15.00 per 1000.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	**Bride**	$3.00	$25.00
American Beauty	6.00	55.00	**Golden Gate**	3.00	25.00
Kaiserin	4.00	35.00	**Perle**	3.00	25.00
Bridesmaid	3.00	25.00	**Ivory**	4 00	35 00
			Sunrise	7 00	65 00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50	**Sunrise**	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.,
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80.00	Mra. Lawson	$2.00	$12.50
Flora Hill	1.50	10.00	America	1.50	10.00
White Cloud	1.50	10.00	Marquis	1 50	10.00
Norway	1.50	12.50	Elma	1.50	10.00
Queen Louise	2.50	20.00	Mrs. Potter Palmer	3.00	25.00
Prosperity	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Kaiserin	$3.50	$30.00	Bride	$3.00	$25.00
Ivory	4.00	35.00	Bridesmaid	3.00	25.00
			Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

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CHICAGO CARNATION CO.

JOLIET, ILL.

PRICE LIST OF NEW VARIETIES—ROOTED CUTTINGS

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Gov. Lowndes, white	12 00	100 00
Pres. McKinley, cerise	12 00	100 00
Murphy's White	6 00	50 00
Lillian Pond, white	10 00	75 00
Penelope, white	5 00	40 00
Sibyl, cerise	12 00	100 00

STANDARD VARIETIES

	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, large, beautiful, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson, a winner	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	45 00
Queen Louise, white, very free	3 00	25 00
Lorna, large and one of the best white	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, largest scarlet, now taking the front rank	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00
Lawson, pink	3 00	25 00
Bon Homme, freest white, best and strongest stem	2 00	15 00
Dorothy, pink, very free	3 00	25 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

LILLIAN POND

THE grand new white Carnation. Far ahead of any white yet introduced. Large, heavily built flowers, very fragrant and an exceptionally good keeper.

It has given us thus far this Winter more flowers to the plant than White Cloud or Queen Louise and is bringing, in the Boston wholesale market, $5.00 and $6.00 per 100.

An early and continuous bloomer, strong grower, and lifts well from the field.

We shall show at the Brooklyn Meeting only average-sized flowers the same as we are picking and shipping every day and such as any grower will be able to produce with ordinary care. We have put this variety under no special teatment for this occasion.

Our large stock of 24,000 plants enables us to send out nothing but strong healthy cuttings.

All orders filled at short notice.

PRICES: 12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1,000, $75.00

S. J. REUTER, WESTERLY, R. I.

Mention the Florists' Exchange when writing.

I AM NOW BOOKING ORDERS FOR ROOTED

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A1 stock from sand, soil and 2, 2½ and 3 inch pots Write me your needs and get prices on novelties and stand stock.

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ROOTED CUTTINGS.

Now Ready	Per 1000
Morning Glory	at $15.00
Cressbrook	" 35.00
Ethel Crocker	" 10.00
Late February and March Delivery	
Queen Louise	at $15 00
Alba.	" 35.00
Her Majesty	" 75.00
Prosperity	" 20.00
Roosevelt	" 15.00
Gaiety	" 20.00
Dorothy	" 15.00

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Carnations

Rooted Cuttings

Genevieve Lord	$1.00 per 100
Morning Glory	1.50 per 100

Flora Hill, all sold.

JEWETT CITY GREENHOUSES

JEWETT CITY, CONN.

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CARNATIONS

ROOTED CUTTINGS.	Per 100
Stella, Fenn	$4 00
Palmer, Cressbrook, Challenger, Oriole	3 00
Queen Louise, Hoosier Maid, Norway	2 00
Goodenough, Gen. Maceo	1 50

HENRY HESSION

Clarkson and E. 48th Sts., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10 00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

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Carnations and Roses

Rooted Cuttings from Sand now Ready.

	Per 100
NORWAY	$2.00
LORNA	2.50
WM. SCOTT	1.50
THE MARQUIS	1 50
MORNING GLORY	1.50

If from soil add 25 per cent. to quotation.

ROSES

BRIDE, from 2½ in. pots	3 00
BRIDESMAID, from 2½ in. pots	3.00

A. L. THORNE, Flushing, L. I.

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HEAVY ROOTED CARNATIONS

The same as the 327,525 already shipped, and not one single kick

	Per 100	Per 1000
9,000 **Gov. Roosevelt**	$1 00	$10 00
10,000 **Norway**	1 00	10 00
8,000 **Genevieve Lord**	1 00	10 00
3,000 **Egypt**	1 00	10 00
4,000 **Portia**	1 00	10 00
11,000 **Eldorado**	1 00	10 00
9,000 **Mrs. Joost**	1 00	10 00
20,000 **Mermaid,** fine	1 00	10 00
12,000 **Argyle**	1 00	10 00
8,000 **Tidal Wave**	1 00	10 00

Express prepaid at above prices. Net Spot Cash.

CALIFORNIA CARNATION CO., Lock Box 103, **LOOMIS, CAL.**

ROOTED CARNATION CUTTINGS

Get the best, cheap cuttings are dear at any price. Early orders will be furnished from sand, later orders from cuttings transplanted into soil at same rate

	Per 100	Per 1000
Adonis	$12.00	$100.00
Enchantress	12.00	100.00
Harlowarden	12.00	100.00
Fragrance	12 00	100.00
White Bradt	14.00	
President McKinley	12.00	100.00
Mrs. Theo. Roosevelt	12.00	
Marshall Field	12 00	100.00
Lillian Pond	10.00	75.00
Her Majesty	10.00	80.00
Murphy's White	6.00	50.00
Apollo	6.00	50.00
Cressbrook	5.00	40.00
Dorothy Whitney	6.00	50.00
Enquirer	6.00	50.00
Floriana	5.00	45.00
Golden Beauty	5.00	40.00
Gov. Wolcott	5.00	45 00
Harry Fenn	6.00	50.00
J. H. Manley	6.00	50.00
Mrs. E A Nelson	6.00	50 00
Mrs H. N. Higinbotham	5.00	45.00

	Per 100	Per 1000
Mrs. Potter Palmer	$5.00	$45.00
America	1.75	15.00
Chicago or Red Bradt	3.00	25.00
Estelle	4.00	30.00
Ethel Crocker	1.75	15.00
Flora Hill	1.75	15.00
Genevieve Lord	1.75	15.00
G. H Crane	1.75	15.00
Gov. Roosevelt	4.00	30 00
Guardian Angel	1.75	15.00
Lorna	4 00	30.00
Morning Glory	2.50	20.00
Marquis	1.75	15.00
Mrs. Geo. M Bradt	3 00	25.00
Mrs F. Joost	1.75	15.00
Mrs. T. W. Lawson	3 00	25 00
Norway	1.75	15.00
Prosperity	2.50	20.00
Queen Louise	3 00	25.00
White Cloud	1.75	15.00
Wm. Scott	1.50	12.00

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GREENHOUSES, WESTERN SPRINGS, ILL.

Mention the Florists' Exchange when writing.

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. **The Former**, sent out Spring of 1902, has proved **Without an Equal as a High-grade Commercial Variety. The Latter**, sent out in 1901 in limited quantity, is to day **The Standard every-day commercial White on the Boston Market.** A marvel for early, free, and continuous blooming. **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$45.00
"BOSTON MARKET"	5.00	40.00

Both will be on Exhibition at Brooklyn, February 19 and 20.

PETER FISHER, Ellis, Mass.

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CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

	100	1000
MR. THOMAS LAWSON	$2.50	$20.00
THE MARQUIS	1 25	10.00
QUEEN LOUISE	2.50	20.00
LORNA	2.50	20 00
J. H. MANLEY...75c. per doz.	6.00	50.00
HARRY FENN...75c. per doz.	6.00	50.00

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P. O. Box 1646 **Paterson, N. J.**

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ROOTED CUTTINGS

Roses and Carnations Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2 50	Bride	$1.50	Meteor	$1.50
Perle	2.50	Bridesmaid	1.50	Golden Gate	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	Mrs. Lawson	$2.00	G. H. Crane	$2.00
Flora Hill	1.50	The Marquis	1.50	America	1.50
Gov. Wolcott	5.00	Cressbrook	4.00	Adonis	14.00
White Bradt	12.00	Floriana	4.00	**MAROON.**	
Norway	2.00	Enchantress	12.00	Gen. Maceo	1.50
Lillian Pond	10.00	Morning Glory	2.00	Roosevelt	2.00
		STRIPED.			
		Gaiety	4.00		
		Prosperity	3.00		

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100	PINK	Per 100	CRIMSON	Per 100
Queen Louise	$2 00	Floriana	$2 00	Harry Fenn	$5 00
Lorna	2 50	Mrs. Higinbotham	5 00	Gov. Roosevelt	2 50
Norway	2 00	Cressbrook	4 00	Gen. Maceo	1 50
Goodenough	2 00	Mrs. G. A. Milson	4 00	**YELLOW**	
Hoosier Maid	2 00	Mrs. Thos. Lawson	3 00	Buttercup	3 00
White Cloud	1 50	Dorothy	2 00	Gold Nugget	2 00
Flora Hill	1 50	Irene	2 00	Eldorado	1 25
RED		Sunbeam	2 50		
Mrs. Potter Palmer	4 00	Morning Glory	1 50	**VARIFGATED**	
J. H. Manley	5 00	The Marquis	1 25	Dorothy Whitney	6 00
Oriole	4 00	Genevieve Lord	1 25	Prosperity	2 50
G. H. Crane	2 00	Mrs. F. Joost	1 25	Mrs. G M. Bradt	3 00
Jubilee	1 50	Daybreak	1 25	Armazindy	1 25
Portia	1 25	Wm. Scott	1 25		
		Ethel Crocker	1 25		

GRAFTED ROSES Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

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LOWNDES, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

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We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties now ready.

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Mention the Florists' Exchange when writing.

NONE SUCCEEDS LIKE

New Carnation **$UCCE$$** The Money-Maker

The Most Prolific Carnation to date

A pleasing and most popular shade of pink—the shade of La France rose, large, well formed flowers, strong calyx and stout stems. Good keepers and shippers. Plants strong and vigorous, and easily handled. Has shown a marked improvement in size, stem, and productiveness every succeeding season for the past five years.

The wonderful productive properties of "Success" have not been overdrawn. It stands to day without an equal in this respect. If you are raising Carnations for profit, "Success" will pay you better than any other variety.

Strong, heavily rooted cuttings: $1.50 per dozen; $2.50 per 25; $8.00 per 100; $70.00 per 1000. Immediate delivery. For sale by

HENRY F. MICHELL, Philadelphia, Pa. J. GAMMAGE & SON, London, Ont., Canada

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TIGER

ORANGE, STRIPED PINK

Up-to-date and the Most Prolific in its Color

TIGER CARNATION

HARRISBURG, PA.
Dec. 13, 1902.

MR. HENRY EICHHOLZ,
Waynesboro, Pa.

Dear Sir:

I think Tiger Carnation is a very beautiful variety. I have never seen a variegated carnation that pleased me more. The combination of soft salmon and light rose-pink is unique and beautiful, and the carnation is free from the grotesque appearance characterizing many variegated forms. The effect of a mass of them is harmonious and rich, and I do not see why this variety will not meet with much commendation by those who care for a beautiful flower.

J. HORACE MCFARLAND.

$1.50 per doz.; $10.00 per 100; $75.00 per 1000

OUT OF 2½ INCH POTS OR SAND

A limited number of Unrooted Cuttings carefully packed, at one-half price.

ENCHANTRESS

Out of 2½ inch pots, immediate delivery, **$12.00** per 100.

LAWSON

Immediate delivery, **$2.00** per 100.

CASH FROM UNKNOWN PARTIES

HENRY EICHHOLZ

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50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20.00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order. All orders sent in strict rotation. All cuttings guaranteed first-class in every particular.

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UNEQUALED VARIETIES. VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection..........$2.00 per 100; $15.00 per 1000
Strong pot plants....... 3.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud................$8.00 per 100

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Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

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STRONG, DORMANT TUBERS.

	100		100
Alphonse Bouvier	$3.00	J. C. Cabos	$3.00
Austria	2.50	J. C. Vaughan	3.00
Chicago	3.00	John White	2.50
Comte de Bouchard	3.00	Mlle. Berat	3.00
Creole	2.50	Manda's Ideal	2.50
Chas. Henderson	2.50	Oriole	2.50
Doyen Jo Sisley	3.00	Pierson's Premium	3.00
Eldorado	3.00	Paul Bruant	2.50
Egandale	3.00	Paul Marquant	2.50
F. R. Pierson	3.00	Queen Charlotte	3.00
Florence Vaughan	3.00	Sec. Chabanne	3.00
Italia	2.50	Thos. S. Ware	2.50

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Varieties and Prices on Application.

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	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

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Remember these prices include delivery to your oor. All good cuttings and free from disease.

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	Per 100
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Gen. Maceo	1.50
Mrs. Joost	1.50

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The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
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Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

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From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Cressbrook	4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1 25	10.00
Daybreak	1.50	12.50
Morning Glory	2 00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
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250 at 1000 rates. Cash with order please.

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We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

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CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
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500 at 1000 Rates.

Prices on other varieties on application.

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The Largest, the Brightest, the Freest Scarlet

CARNATION

CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

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Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45 00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

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Genevieve Lord	1 50
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All strong plants, ready to ship at once.

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HILL SPORT	2 00	17 50
G. H. CRANE	2 00	17 50
GOV ROOSEVELT	2 00	27 50
NORWAY	2 00	17 50
QUEEN LOUISE	2 00	
PROSPERITY	3 00	
MRS. BRADT	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

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CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
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Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Estella	3 00	Mrs. F. Joost.	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

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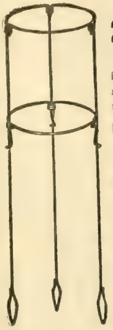

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THE CARNATION in America has reached a status and importance in the florist's industry possessed by no other flower of modern times, and a practical work on the subject of the cultivation of the plant has become an urgent necessity. This want is fully and completely met in the present volume, which furnishes the results of years of actual experience of the author, who is recognized as being among the foremost of carnationists in America. The scope of the book will be gleaned from the subjoined table of contents:

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American Beauty, from 2 in. pots, $6.00 per 100, $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100, $30.00 per 1000.

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A Few HYACINTH BULBS on Hand.

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	Per 100	Per 1000
American Beauty	$3.00	$30.00
Bridesmaid and Bride	1.50	12.50
Meteor, Golden Gate	1.50	12.50
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All nice, clean, two-eye cuttings, strongly rooted. Sure to make good plants.

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2 inch pots	50.00	"
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Stock selected and in prime condition.

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FINE TWO-YEAR-OLD ROSES

From 4 in. pots, $10.00 per 100.

Crimson Rambler, Maman Cochet, Papa Gontier, Yellow Soupert, Kaiserin, Marie Van Houtte, Bridesmaid, Marie Guillot, Lamarque, Gruss an Teplitz, White Maman Cochet, Clothilde Soupert, Hermosa, Bride, Mrs. De Graw, Mary Washington. Mosses in ten varieties.

Fine young stock, from 2½ in. pots, true to label, $2.50, $3.00 and $4.00 per 100. Send for list.

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Large flowered Clematis, finest purple, lavender, white and pink sorts, 2-year field-grown or from 5-in. pots at 18c.; 1-year field-grown or from 3-in. pots at 9c. Clematis Paniculata, fine 2-year field-grown, 6c. Packing free for cash.

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A grand Winter Rose, growing and flowering continually; color deep pink; a vigorous grower. Flower bud long, keeping good form as it opens, retaining perfect color until petals fall. Very fragrant; good stiff stems. Young plants in 2¼ inch pots, **$15.00** per 100; **$125.00** per 1000. Two-year-old plants, in 5 in pots, **$50.00** per 100; 6 in. pots, **$75.00** per 100. Stock ready April 15th Quantity limited.

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Resurrection Plants, good size, $20.00 per 1000.

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Mme. COCHET.

Strong field plants, for potting at once for Spring sales, fit for 4 and 5 in pots

Price, $10.00 per 100. Cash, please.

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from stock used for cemetery cutting for several years. 2000 Nymphia, 500 large double red, 1000 canary yellow, 1000 dwarf, pure white, per 100, $4.00. 1000 light, few dark, mixed, **Gladioli**, $1.00 per 100. 1000 **Madeira Vine** bulbs, small, $1.00 per 100. 500 bushy **Honeysuckles**, $5.00 per 100. 1000 large 5-year **Privet**, for specimens, 5 to 7 feet, 25 for $5.00. 50,000 Hedging **Privet**, $15.00 to $60.00 per 1000. All F. O. B. New York. Cash with order.

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ALTERNANTHERAS, red and yellow, Rooted Cuttings, 60 cts. per 100.

GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants, $2.50 per 1000.

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Bronze or Green, $1.00 per 1000; 75 cts. per 10 in 5000 lots.

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2½ in.	$4.00 per 100.	6 in.	$40.00 per 1
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4 in.	15.00 "	8 in.	100.00 "
5 in.	25.00 "	10 in., $1.50, $2 & $2.50 e	

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	100	10
Coleus, assorted	$0.60	$5.
" **Verschaffeltii,** red and yellow	.70	6.
Geraniums	2.00	15.
" Mme. Salleroi	1.25	10.
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Send for list of Chrysanthemums and Carn tions.

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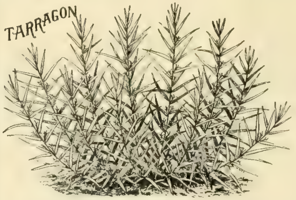
TARRAGON AND SAGE



TARRAGON

The true sort.

Field-grown plants, $5.00 per 100.

HOLT'S

MAMMOTH SAGE

The best variety, from frames, handsome stocky plants, $3.00 per 100.

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

ESTELLE

AN ORDER WILL CONVINCE YOU THAT

Is a Distinct, New **CHRYSANTHEMUM.**

Earliest Fancy White known. October 4-12.

Same culture produces blooms Double the size of old varieties.

Commands top price. First-class shipper.

Certificated Cincinnati, October 18, 1902.

Offered Cheaper than any other new varieties. Makes an Ideal Pot Plant.

"ESTELLE" IS A MONEY MAKER.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

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Noble Ferns of New Zealand

"The Coming Import in Ferns."

Trunks or stems of Silver and Black Giant Tree Ferns (**Cyathea Dealbata** and **Medullaris**). Trunks, 1 foot to 8 feet high.

PRINCE OF WALES FERN (**Todea Superba**), small growing variety. Stems, 1 inch to 2 feet high.

We will quote lowest rate for export and give details of sizes.

Seeds and Plants of New Zealand and Australasia collected to order.

SPECIALTIES—Araucaria Excelsa, Areca Sapida and Baueri Kentias, Eucalyptus, etc.

F. COOPER, Seed Grower and Collector, Wellington, New Zealand

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ASPARAGUS PLUMOSUS NANUS

300, 3-in. pots, $8.00 per 100; 100, 4-in pots, $10 00 per 100

Asparagus Sprengeri, 400, 3-in pots $6 00 per 100.

Boston Ferns, 100, 3-in. pots, $4.00 per 100.

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Roses, Palms, Crotons

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and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

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RUBBERS

6 inch Fancy Stock, 24 to 30 inches high, **$4.00 to $5.00 per Dozen.**
Also all kinds of **SPRING STOCK.**
Write for Prices

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FERNS OUR SPECIALTY

Call around before they are all gone

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

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WE STILL HAVE

ARAUCARIA EXCELSA

and can furnish them from 20 to 22 inches high, 6 in. pots, 3, 4, 5 tiers, 75c., 80c., 90c., $1.00 each. Specimens, "just beauties," $1.25, $1.50, $1.75 each.

Kentia Belmoreana and **Forsteriana,** 25 to 36 in. high, 75c. to $1.00 each.

Yellow and **White Daisies** for Easter blooming, 2½ in. pots, $3.00 per 100.

Cineraria Hybrida for Easter blooming. Surplus stock at the following greatly reduced prices, to wind up. Strong plants from 3 in. pots, at the rate of $3.00 to $4.00 per 100, ready to shift into 5½ in. Four inch, at the rate of $5.00 to $6.00 per 100.

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Bell Phone 6-36-69a.

Wholesale Grower and Importer of Pot Plants.

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DEAN'S

System of Greenhouse Heating

PRICE, $2.00.

A. T. DE LA MARE PTG. and PUB. CO.
LIMITED.
RHINELANDER BUILDING.
NEW YORK.

NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

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AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

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Write for Prices

PALMS. JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment. Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

Sole Agents:
AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $8.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

—15 PER CENT.—

MME. VAN DER CRUYSSEN and or SIMON MARDNER

Others may promise, but I **guarantee** you 15 per cent. each of the above varieties of the total number of

AZALEAS

you order up to 16-inch plants. The market in Ghent is almost bare of these favorite varieties and this is an exceptional opportunity. Avail yourself of it while it holds good and order quickly.

I also offer the finest brands of **Lily of the Valley Pips** for early or late forcing, **Roman Hyacinths, Paper Whites, Dutch Bulbs, etc.,** all for Fall delivery. Prices cheerfully quoted.

CHAS. F. MEYER
Importer of Bulbs and Plants and Sole Representative of the Ad. D'Haene Co., Ltd., Ghent,
19 BARCLAY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

By C. W. Ward

Price $3.50. Ready April 1st.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers**, $4.00 to $6.00 per doz. **Asparagus Sprengeri**, 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

FERNS! FERNS!

I make a specialty of small ferns suitable for fern dishes, etc., nice bushy stock and a good variety of the most hardy kinds.

2¼ in. pots, $3 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

FERNS. Best vars. from 2¼ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.

BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurtii, in bloom, and **BEGONIA APPLE BLOSSOM,** in bloom, from 2½ in. pots, $2.50 per 100.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3 00
6 in. "	"	5.00
6 in. " strong	"	6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz.,	$1.50
4 in. " extra select	"	2.00

FERN BALLS

Furnished with leaves	per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties	per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

AZALEAS for EASTER

IN BEST FORCING VARIETIES.

10 to 12 in. crowns, $35.00 per 100. 12 to 14 in. crowns, $45.00 per 100. 14 to 16 in. crowns, $60.00 per 100.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high	$30.00 per 100
4 in. pots, 10 to 12 in. high	20.00 " "
3 in. pots	15.00 " "

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

CANNAS (All Standard Varieties). $2.00 per 100. $15.00 per 1000

GERANIUMS (Best Bedding Varieties). $3.00 per 100; $27.50 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.
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Per inch, $1.25. Special positions extra. Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

Allegheny, Pa.—E. C. Reineman, 305 Lowry St.
Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave.
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
Chicago.—Robert Johnstone, 2361 N. 40th Ave.
Cincinnati, O.—E. G. Gillett, 113 E. 3d St.
Cleveland, O.—Geo. W. Smith, Wade Park Ave.
Colorado Springs, Colo.—J. B. Braidwood.
Cromwell, Conn.—W. H. Hanscom.
Denver, Colo.—Phil Scott.
Detroit.—Wm. Dilger, 26 Miami Ave.
Grand Rapids, Mich.—G. F. Crabb.
Hamilton, Ont.—Webster Bros.
Hartford, Conn.—J. F. Coombs.
Indianapolis.—Irwin Bertermann, Mass. Ave.
Kalamazoo, Mich.—Samuel Batson.
Kansas City, Mo.—E. D. Ellsworth, 1217 B'way.
Los Angeles.—H. W. Kruckeberg, 115 N. Main.
Louisville, Ky.—A. R. Baumer, 606 4th Ave.
Lynn, Mass.—William Miller.
Milwaukee.—C. C. Pollworth, 137 Oneida St.
Montreal, Que.—Fred Bennett, 136 Peel St.
Nashville, Tenn.—Benjamin F. Hensley.
New Haven, Conn.—W. McLean Gardner.
New Orleans, La.—H. Papworth, Palm Villa.
Newport, R. I.—T. Fieldhouse.
Omaha, Neb.—J. H. Bath.
Orange, N. J.—J. B. Davis.
Ottawa, Can.—E. I. Mepsted, 75 Jane St.
Philadelphia.—David Rust, Hortl. Hall, Broad St., below Locust.
Pittsburg, Pa.—See Allegheny.
Providence.—C. S. MacNair, 322 Weybosset St.
Rochester.—C. P. Woodruff, 64 Exch. Pl. Bldg.
Saddle River, N. J.—John G. Esler.
St. Joseph, Mo.—J. N. Kidd.
St. Louis, Mo.—F. W. Maas, 4816 Labadie Ave.
St. Paul.—S. D. Dysinger, 459 St. Anthony Ave.
Seattle, Wash.—R. Watson.
Springfield, Mass.—W. F. Gale.
Syracuse, N. Y.—G. Milmine, 103 Everson Bldg.
Toledo, O.—C. J. S. Phillipps, 115 St. Clair St.
Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf, 14th & H Sts., N. W.
Worcester, Mass.—H. A. Jones.

Society of American Florists and Ornamental Horticulturists.

The Executive Board will hold its annual Winter meeting at the Plankington Hotel, Milwaukee, Wis., on Tuesday and Wednesday, March 17, 1903.

WM. J. STEWART, Secretary.

The American Carnation Society.

We present in this issue a full report of the annual convention and exhibition of the American Carnation Society. The report this year is considerably curtailed as compared with any of its predecessors, owing to the fact that no essays were read, and but little of general importance came up for consideration by the delegates at the meetings.

The most vital matter under advisement was that in regard to the registration of sports. The action taken, to register these sport varieties, provisionally until examination of them at the annual exhibition of the Society shall have proved them worthy of a separate name, will safeguard buyers and tend to reduce duplication of kinds—something that present conditions demonstrate requires adjustment.

The exhibition, the quality of the flowers shown, and other details will be found elsewhere in this issue.

Never before, perhaps, has the carnation had as its devotees such a brilliant assemblage as that which viewed the exhibition on Thursday evening. That the trade, locally and generally, will receive benefit therefrom goes without saying.

There is every reason to believe that interest and enthusiasm in the carnation will be maintained for many years to come; something which the recently organized Carnation League will surely stimulate. Our specialists will rise to the occasion, and in Detroit, next year, we may confidently expect to see the very high standard reached in the development and improvement of the divine flower excelled.

AMERICAN CARNATION SOCIETY.

Varieties Registered.

By John Hartje, Indianapolis, Ind.

PROFUSION.—Color, pure white, of medium size, stiff stem, gives quantity of bloom during Winter months.

MOONLIGHT.—Color clear white; of large size; long, wiry stem, dark foliage, continuous in blooming.

By A. Herrington, Florham Farms, Madison, N. J.

UNA.—Color clear bright pink; form good; calyx perfect; flowers three to three and one-half inches and very fragrant. The result of crossing Mrs. James Dean and Miss Andrey Campbell, the latter an English variety.

By Charles H. Allen, Floral Park, N. Y.

WHITE LAWSON.—Color white; a sport from Mrs. Thos. W. Lawson; has not reverted to original in three years and is in every way superior to original, as the White Lawson does not burst its calyx.

ALBERT M. HERR,
Lancaster, Pa.,
Secretary.

The firm registering the variety Peerless, noted in last week's issue, page 166, was the J. D. Thompson Carnation Company, Joliet, Ill.

Express Rates.

The subjoined communication has been addressed personally to the Hon. T. C. Platt, of the United States Express Company, and has been acknowledged by that gentleman:

Hon. Thomas C. Platt.
President United States Express Company, New York.

Dear Sir: I hold a petition to your company. It relates exclusively to this neighborhood of about four miles. Some 85 growers of cut flowers having as many establishments, are the signers of it. We have been, all of us, constant daily shippers, affording you daily revenue of from $50 to $100 at old rates. The past eight months will not serve as criterion, as we have just passed through a phenomenal period of unproductiveness, reducing output to half.

We saved you expense of calling for our goods. We used almost exclusively but one morning train; involving on your part a delivery to only a small city district not five blocks across. To the large amount we paid you, we had to add a cost of thousands of dollars for boxes broken by your people. Instead of getting this remedied, your company has greatly advanced your charges. More and more of us are compelled to use waggon express, realizing prompter delivery, less hurried and far more considerate handling. No doubt your earnings from our shipments cut a very small figure in your extensive affairs; still the flowers of this locality did afford you at old rates some $25,000 annually. The majority of these growers are poor men, whose net income this Winter is a negative quantity. We invite your "route agent" to visit many of them hereabouts and report to you. And we ask your several companies to rescind an advance, which, to say the least, you have made at a most inopportune time.

Respectfully yours,
FRANK L. MOORE.

Chatham, N. J.
Representing all flower shippers of this immediate locality.

BOOKS RECEIVED.

A WOMAN'S HARDY GARDEN, by Helena Rutherford Ely. Publishers, The Macmillan Company, 66 Fifth avenue, New York City. Illustrated.

The number of books on gardening subjects having women as their authors, appearing in America, is a healthful sign of the growing interest in the art being taken by the fair sex—an interest that augurs well for its greater development when viewed in the light of hereditary transmission. The book before us is written by one who has an inborn love of the subject on which she treats, and she handles it with a knowledge and skill, the result of which is informative and interesting. The work, of course, is written from an amateur's standpoint, and to the suburbanite who would have a garden without the aid of a practical gardener, the book will prove an unerring guide. Instructions are furnished on laying out a garden and borders around a house, how to plant a small plot, with accompanying plans, annuals, perennials, shrubs, insecticides, etc.

The author pictures the exit of Eve, the first woman gardener, from Eden in this wise: "And, then to leave the lovely place at the loveliest of all times in a garden, the cool of the day! Faint sunset hues tinting the sky, the night breezes gently stirring the trees, lilies and roses giving their sweetest perfume, brilliant Venus mounting her accustomed path, while the sleepy twitter of the birds alone breaks the silence. Then the voice of wrath, the Cherubim, the turning flaming sword!" This departure seems to the author the bitterest punishment of the first gardener and his wife.

Like others of her sex who have written on the garden craft, our author touches on the help problem as it exists to-day. She says: "The character of professional gardeners seems to be changing. They have become more perfunctory, more stubborn, more opinionated, until now it is a really serious question with them of the danger of a little knowledge. To find a man who combines sobriety and a good disposition with a fair knowledge of his business and a real liking for it, is a difficult matter. Where but one man is kept to care for vegetables, flowers and lawn, he is more than likely to have little interest beyond potatoes or corn, or to be good at raising small fruits, and to consider everything else he has to do, as so much waste of time. When first married, one of our gardeners was a German who took no interest in flowers, and planted half the vegetable garden with Kohlrabi and korn salad. * * * I remember also his telling me that one kind of flower was enough to raise, anyway."

Mrs. Ely commends garden work to her fair sisters, adding, truly, "If the rich and fashionable women of this country took more interest and spent more time in their gardens, and less in frivolity, fewer would suffer from nervous prostration, and the necessity for the multitude of sanitariums would be avoided."

The price of the book is $1.75 net. It is a work that the trade could recommend with safety to their customers. Copies can be secured from the publishers of The Florists' Exchange.

Obituary

James Gordon.

Members of the craft will learn with regret of the death of James Gordon, one of the employees in the store of John V. Phillips, 272 Fulton street, Brooklyn. Mr. Gordon had been with Mr. Phillips for over 10 years, and for the 12 years previous to that time was in the employ of Mr. Weir, who occupied the store that Mr. Phillips now conducts.

Mr. Gordon was born in Staten Island, of Scotch parentage, 54 years ago, and when we say that he was employed for over 22 years in the same store, no further comments are required to demonstrate his character as a man and his ability as a florist. His death was sudden. Taken ill about seven o'clock on Sunday evening, at his residence 1402 St. Mark's avenue, Brooklyn, he died after a few hours' illness. He leaves a widow and one son to mourn his loss.

Funeral exercises were held at the home Wednesday, and the interment took place in Greenwood the following day.

Interest in Gardening in America

Our esteemed contemporary, The Gardeners' Chronicle, of London, in expressing regret—a regret which we fully share—at the discontinuance o Meehans' Monthly, draws the following not unnatural deduction from tha fact: "The cessation seems to poin to a lamentable lack of interest in plants and plant culture in the States except for purely commercial purposes."

But Meehans' Monthly was discontinued not perforce from lack of interest either in the publication or the cul which it promoted, but, as its edito announced, because "the burden o other duties" made the continuance o the Monthly impossible.

There is no "lamentable lack of interest in plants and plant culture in the States." On the other hand, the interest in these is increasing, as i evidenced by the annual augmentation to our commercial and amateur establishments.

Lack of interest in publications devoted to gardening matters, causing their cessation, does not necessarily imply waning enthusiasm is the subjects which these publications were supposed to promote. The lack may lie in the periodicals themselves. And too, there would be little or no need of any such interest "for purely commercial purposes" did not the products resulting therefrom find favor with the general public.

CHANGES IN BUSINESS.

WILMINGTON, O.—George H. Moores formerly florist at the State Hospital Athens, O., for the past five years, has purchased the business of the Wilmington Floral Company here, and will continue same. He will be succeeded a Athens by George C. Kinnamon, who has been assistant florist at the Central Hospital at Columbus, O.

MONTROSE, COL.—Mrs. M. Mather has moved her flower store to Third street.

OAKES, N. D.—D. C. Walter is making arrangements to start in the greenhouse business here.

CANFIELD, O.—H. W. Fishel has accepted the position of manager of Smith's greenhouses on High street. He fills the vacancy caused by the death of A. A Mentzer.

American Peony Society.

A preliminary meeting of this Society was held in Brooklyn, N. Y., Wednesday afternoon, February 18. Letters were read from the gentlemen who had responded to the original call to form a society, all urging the organization of a society devoted exclusively to the peony interests. The meeting adjourned to reconvene Friday evening, February 20, when it is expected organization will be completed, officers elected and a plan of work outlined.

The C. S. A. and Weak-Necked Varieties.

Editor Florists' Exchange:

The unusually interesting deliberations of the Chrysanthemum Society of America, at its convention this year, and the many very important matters discussed, lead me to make some remarks as to what we think of the Society's decisions and opinions in Texas. The Texas flower shows have been stepping so faithfully in the footprints, as outlined by this organization, that we begin to think that the importance of the shows that we hold here entitle us to a voice in the discussion as well.

Regarding weak-necked varieties, many of them being the very best blooms we have, I am of the opinion that they should not be discarded from our exhibitions, on account of weak stems. Of course, if the bloom itself has no particular redeeming qualities, and a weak stem besides, it is then well enough to exclude it for something better. I must add here that weak stems are sometimes as much the fault of the grower as the nature of the plant in cultivation, and it is a well-known fact that the conditions under which a plant is grown, have much to do with whether it will materialize sturdy or spindling, when matured. I have found that a reasonably heavy soil, well fertilized, will grow plants generally more sturdy than a very light soil, though light and temperature cut some figure in the case as well. However, under any conditions we will always have some weak-necked chrysanthemums, and for some purposes they are superior to the stiff-stemmed ones, if the blooms are better. Thousands of these massive flowers are worn by both sexes at football games and on other public gatherings, and the weaker the stems the more pliable thev are to adjust to the coat for wearing, besides avoiding carrying around a great lot of unnecessary wood in the stem. In many other cases, people want these blooms for use, where the substance of the stems cuts no material figure.

Of course, when a flower stands alone in a vase at our exhibitions, on its general merits, first-class stems and foliage are very needful qualities. It is a very unsightly thing at a show to see a lot of massive blooms with stems arched over and bending down to the floor, and I think it the correct thing to place these in a class by themselves, and allow them to be wired up into shape and judged in competition among themselves, regardless of considering stem and foliage at all. This will necessitate arranging a new scale of points as distinct from the scale now in use, to be applied only to weak-stemmed varieties.

I do not favor the English method of exhibiting on boards, as having witnessed some samples of this style in England, I can see nothing attractive, or in its favor. There have, in my opinion, been entirely too many of our very best chrysanthemums discarded years ago on account of weak stems, and I hope there are yet some of the old stocks left, and that they are not so wholly extinct that we may never see them again. I have a scale of points formulated for weak-stemmed varieties, and in due time propose to offer it to the C. S. A. for consideration, with a view to its adoption as official, feeling, as I do, that there will be a place made in our exhibitions for these varieties.

Another point, which I have learned was not discussed at all, is the efficiency of some of our chrysanthemum judges to pass on the work set before them. In the first place. the scale of points is provided to equalize what the value of merit shall be in all localities, and in the hands of all judges alike, but the individual opinions of judges in the interpretation of these scales comes in so potently as to still make a wide difference in decisions, as the exhibits may be viewed differently by different men. I notice the reports of the judges on seedlings in different localities, and am amazed at the wide disparity in the scores given by them on identically the same varieties by the same grower, and, therefore, practically the same flowers. I am fully convinced that our art of growing chrysanthemums is far in advance of our art of judging them, and that no man should be considered qualified to judge any show in America until he has passed a satisfactory examination by the National Society, and is given a certificate as a qualified judge. And no show promoters should select a judge that does not bear the necessary qualifications. There are now far too many persons judging at our shows, who, doubtless, are good growers and understand flowers from a commercial standpoint, as regards the best way to profit by traffic in them, but their entire time is absorbed in this, and they have not the time to study the flower from an artistic point of view. If the Chrysanthemum Society of America would look into these matters, and appoint a corps of eligible judges on this basis, I am satisfied that all the Texas flower shows would work with them and use no other authorities for doing their judging.

S. J. MITCHELL.

Houston, Texas.

Contents.

PAGE
American Carnation Society........ 194
Annual Meeting and Exhibition.. 200
American Peony Society............ 194
Books Received.................... 194
Canadian News..................... 205
Catalogues Received............... 185
Changes in Business............... 194
C. S. A. and Weak-necked Varieties 195
Correspondence 207
Express Rates..................... 194
Floral Designs, Some, Illus....... 207
Gardening in America, Interest in.. 194
Greeting from New Zealand....... 207
Hartshorne, James, Vice-President-elect American Carnation Society (Portrait) 203
Lily of the Valley for Forcing....... 195
Nursery Department................ 186
Pamphlets Received................ 187
Rackham, George A., President-elect American Carnation Society (Portrait) 203
S. A. F. Notice of Executive Committee Meeting 194
Seed Trade Report................. 185
TRADE NOTES:
New York, Philadelphia........... 205
Utica........................ 187, 207
Indianapolis, Buffalo, St. Paul, Paterson, N. J................. 210
Grand Rapids, Pittsburg, Providence, Poughkeepsie, Washington, D. C.................... 211
Cincinnati, Hartford.............. 212

Waste Places, Beautification of...... 203

Lily of the Valley for Forcing.

Paper read before the Montreal Gardeners and Florists' Club, January 5, 1903, by Julius Jack.

As millions of pips of lily of the valley are used for forcing purposes in this country each Winter, I thought it opportune to give you my experience in growing these pips for home and export trade in the vicinity of Berlin, Germany.

The forcing pips take three years to arrive at maturity, and during this time they are not removed from the ground. At the end of the third year they are lifted with digging forks, the earth shaken out, and the clumps stored in cool sheds to be sorted. Women are mostly employed in this sorting process, at which, by long practice, they are very dexterous. In sorting three sizes are made. First; the forcing pip of commerce, which is tied into bundles of 25. Second; the leaf pip, and third, the runner.

If possible, the smaller sizes are planted again immediately; if not, they are stored for the Winter in pits three or four feet deep, in layers two inches thick, with an inch of earth between each layer. In this way they keep as fresh as if planted in the open ground.

The best time to plant is in October and November; but it is also largely done in the early Spring. "Runners," as the first year's growths are called, are the best for planting. To obtain the best results, a sandy soil, well manured and deeply cultivated, is necessary.

The pips grown in heavy clay are the largest; but will not force either as early or as well. Expert buyers are well aware of this, and the pips grown on sandy soil are eagerly sought.

The pips are planted in rows one foot apart, and from two to three inches between the pips, care being taken not to bend or crowd the roots. The tops are covered with about an inch of soil. The first year, a crop of vegetables, such as lettuce, kohl-rabi, or radishes, that can be harvested before the Summer, can be grown between the rows. After these are removed, it is well to give the ground a good top-dressing of hot-bed manure, to protect the young plants from the drying effects of sun and wind. As no new roots are made until August, very little foliage will appear the first year, but many young runners will be made. In the second and third years, the plants will occupy all the ground and all the cultivation necessary will be to keep them free from weeds.

I am of the opinion that lily of the valley can be grown in this section of Canada with as much success as in Germany, as the soil and climate seem to be identical; especially with that in the vicinity of Hamburg in Northern Germany, where the pips are grown with great success.

INDEX OF ADVERTISERS

Allen J K 209
Altick H M 192
Amling E C 211
Anderson & Christensen 193
Andorra Nurseries ..186
Aschmann G 193
Asmus E G 192
Bader J 193
Baker W J 210
Baker & Dick 212
Barbour Flax Spinning Co 206
Barrows H H & Son.206
Bartram H 192
Bassett & Washburn 190
Bayersdorfer H & Co 214
Beach Jas E 191
Becker J 192
Beckert W C 182
Bentzen Floral Co ...193
Berckmans P J Co..186
Berger H H & Co...183
Bernheimer E 210
Berning H G 211
Betscher C 183
Blaauw J & Co....186
Blue Hill Nurs 186
Bobbink & Atkins..181
Bock W A 193
Bolles F A 192
Bonnot Bros 209
Boston Letter Co...212
Bradshaw & Hartman 209
Bronner J 208
Brown Bros Co.....186
Brown E C & Co...212
Brown P 187-208
Burpee W A & Co...184
Burr J 187
Byer Bros 192
Caldwell, the Woodsman 208
Cal Carn Co 183-89
Canadian Advts 205
Carmody J D 214
Central Mich Nurs 192-208
Chicago Carn Co....188
Childs J L 184
Chinnick W J......186
Clucas & Boddington 181-87
Coldwell Lawn Mower Co 214
Collins T 208
Conard & Jones Co..184
Connell Benj 184-92
Cooper F 193
Cottage Gardens 191
Cowee A 184
Cowee W J 212
Cowen's N Sons ...214
Craig R & Son 193
Crooke J J Co......208
Croom J F & Bro...184
Crowl Fern Co 208
Cunningham J H ...208
Cut Flower Ex.....209
Darling C T 191
Davis A B & Son...185
Deamud J B 211
Deming Co 212
De Pew Bros . .. 191
Dietsch A & Co 214
Diller Caskey & Co. . 205
Dillon J L 190
Dillon G'house Mfg Co 214
Dingee & Conard Co.185
Dorner F & Sons Co.191
Dreer Hy A 182-83-213
Dumont & Co 210
East'n Chem Co.....208
Eichholz H 190
Eisele C 214
Eisele J G 193
Elizabeth Nurs Co . 183
Elliott W & Sons...182
Elliott W H 181
Emmans Geo M 193
Endtz Van Nes & Co 186
Evenden Bros 191
Farquhar R & J Co .184
Felthousen J E 187
F & F Nurseries ...186
Fick & Faber 189
Fillow & Banks 188
Fisher P 190
Foley Mfg Co 214
Foster L H 193
Gammage J & Sons.205
Garland G M 214
Ghormley W 209
Giblin & Co 212
Greene & Underhill .187
Greenhouse Mfg Co.213
Gullett W H & Sons 192
Gunther W H 209
Guttman A J 209
Haerens Bros 193
Hammond B 212
Hammond J A 209
Harris C A & Co...208
Heacock Jos 193
Helios Upton Co....213
Heller & Co........184
Herr A M 187-89
Herr D K 187
Hermann A 214
Hession H 189
Hews A H & Co....212
Hicks & Crawbuck..209
Hill E G Co........192
Hilfinger Bros 212
Hill Top G'houses.. 208
Hippard E 214
Hitchings & Co 216
Hoffman Wm 191
Holton & Hunkel Co..211
Horan E C 209
Hor'l Advertiser....212
Hughes G J 208
Hunt E H 211
Igoe Bros 191
Jacobs S & Son.... 213
Jackson J H 213
Jackson & Perkins Co 184
Jennings E B 208
Jessamine Gardens..186
Jewett City G'houses.189
Johnson & Stokes ..183
Jones H T 186
Joosten C H 192
Kasting W F 210
Kelsey F W 186
Kimberly F H 189
King Construction Co 214
Koster & Co 186
Kraft T 190
Kreshover L J. 205
Kroeschel Bros Co..213
Kruschka M H 187
Kuhl Geo H... 192
Lager & Hurrell 193
Landreth D & Sons..183
Lang J 209
Langjahr A H 209
Leonhard T 190
Limbach C 212
Littlefield S . 191
Little So. Floral Co 188
Livingston Seed Co 212
Lockland Lumb Co. 212
Long D B 212
Longsdorf C L 186
Lord & Burnham Co 215
Lovett J T 185-92
Mader P 208
Manhattan Sup Co. 206
Manger W & Sons .186
McFadden F C 208
McCarthy N F & Co 210
McKellar & Winterson .... .211
McManus J 209
Meyer C F 193
Michell H F 183
Moninger J C Co 213
Moon S C 185
Moon Wm H Co 186
Moore, Hentz & Nash 209
Moore W J 210
Moss G M 210
Mott Walter Sd Co..182
Muno J 211
Murphy Wm . . . 191
Nanz C G 184
Nat Board Trade 212
National Plant Co 192
N Y Cut Flow Co .209
Niessen L 210
Norwich Nurs . 186
Ouwerkerk P 186
Pennock S S 210
Perkins J J 209
Phila Market . 208
Pierce F O Co . 213
Pierson F R Co . 181
Pierson Sefton Co 213
Pinehurst Nurseries .186
Pittsbg Cut Flow Co.210
Pollworth C C Co...211
Quaker City Mch Co.214
Rawlings E I 187
Rawson W W & Co.184
Raynor J I 209
Reed & Keller 212
Reich V E 205
Reid Ed 210
Reinberg George .. 211
Reinberg Peter ...188
Repp John 184
Reuter S J 189
Reynolds J L Co .208
Richards F W & Co 208
Riedel & Co 209
Ripperger Geo 208
Robinson H M & Co 208
Roemer F 184
Rupp J F 184
Salter W H . 192
Saltford Geo . . 209
Sander F & Son 193
Schmidt J C 184
Schmitz F W O 182
Schulthels A 193
Scott J 193
Shellroad G Houses 208
Shepherd Mrs T B Co 184
Sheridan W F 209
Sholl J G 190
Slinn B S Jr .. 209
Smith C 209
Smith N & Son 191
Smith Wm C .208
Smith W & T Co ..186
Soltau C 208
So Park Floral Co .192
Springfield Floral Co 208
Stallings & Johnson 184
Stearns A T Lum Co 214
Stern J 208
Stoothoff H A Co...207
Storrs & Harrison Co 193
[illegible] & [illegible] . 186
Stumpp & Walter Co 182 84
Styer J J [illegible]
[illegible] G A 210
[illegible] W . [illegible]
[illegible] Pottery Co 212
[illegible] E F . [illegible]
[illegible] Wm . 192
[illegible] J D 188
Thorburn J M & Co 182
[illegible] A J [illegible]
[illegible] W & T C 212
[illegible] & [illegible] 209
[illegible] C W 184
Utica Floral Co 191
Van Horne Griffen & Co 214
Van [illegible] I 19[illegible]
Vaughan's Sd Store 182 84
Vesey W J & M S 18[illegible]
Vicks Jas Son 184
Vincent R Jr & Son 186 87
Vlesveld G & Sons .184
[illegible] F D 192
Warburton C . 193
Weber C S & Co 214
[illegible] H & Sons 19[illegible]
Webster Bros 205
Weeber & Don .. 184
[illegible] Bros . 210
Weston H 19[illegible]
Whilldin Pottery Co 212
Whitton & Sons 208
[illegible] Bros 188
Williams A W 208
Winfield Geo Co 19[illegible]
Wood Bros .. 190
Young J . 209
Young & Nugent 209

INDEX OF ADVERTISEMENTS

PLANTS SEEDS, BULBS, FLOWERS.

Abutilon 187 208
Achyranthes 187
Ageratum . 187 90 92 93-208
Alpine Plants ... 186
Alternanthera 187 92
Alyssum .182 84 87 92 208
Amaryllis 183
Amygdalus 181
Antirrhinum 182
Araucaria 193
Asparagus . 181-82 83 87 90 93 205 08-14
Asters . 182 83 84
Azaleas .181 82 86-93
Balsam 182
Begonias 181-82 83 87 93 208
Bougainvillea 193
Box 186
Browallia 182
Bulbs (not named) 183 84 211
Caladium 181 83 84-86
Calceolaria . 208
Callas 183
Candytuft . . . 182
Cannas . 181 83 84 86 87-90 91 93 208
Carnations 181 83 88 89 90 91-93 205-08
Celosia 182
Centaurea 182
Chrysanthemums 187 90-91-92-206
Cinerarias 184 93 208
Citrus 186
Clematis 181-83 86-92 208 14
Cobea . . . 182
Coleus . 187 90 93
Conifers 186
Crotons 193
Cryptomeria 183
Cuphea 190 208
Cut Flowers 208 09 10 11
Cyclamen 184 90 208
Dahlias 181 83 85 87 92
Daisies 182 83 84 90 92 93
Decorative Plants 193
Deutzia . .. .182 214
Dielytra . . 181 86
Dracæna 182 93 208 14
Ericas 193
Evergreens 186
Fern Balls 181 82 83 84-93
Ferns . 191 93 208
Feverfew .. 187 90
Ficus . 181-86 93
Fuchsias 187 90 208
Gazanias 208
Genistas . 193 208
Geraniums 182 83-87-90 91 92 93-208
Gladioli . 181 83-84
Gloxinias 181-83
Grevillea 182
Heliotrope 187-90 208
Herbaceous Plants ..186
Hyacinths 181-92
Hydrangeas 186
Impatiens 208
Ipomœa . 190-208
Iris 181
Ismene . ..183
Ivy 181 82 87-90-93
Kentias 186
Lantana .187-208
Lemons 186
Lilies 181-82 86
Lilacs . .181 83-86
Lobelia 182
Madeira Vines 181-83-84
Manetti Stocks 181
Maples 186
Maurandya 182
Mignonette 182
Mimulus 182
Montbretia 183
Myosotis 187
[illegible] Stock . 181 86
[illegible] . 186
Orchids . 193
Oxalis 183
Palms 181 82 [illegible] 86 [illegible] 205
Pansy 182 84 92 208
Pelargonium . 191 208
Peonies 181 83 86
Petunia 182 87 92 208
Phlox .. 184 206
[illegible] 208
Primula .182 84 214
Privet 186
Pyrethrum 182
Rhododendron 186
Roses ..181 82 83 84 86 88 89 90 92 93
Salvia ..182 87 90 208
Seeds (not named) 182 83 84 211
Selaginella 187
Shamrock 184
Shrubs . 184 86
Small Fruits . 186
Smilax 182 83 87 90 208
Spiræa 181 82 86
Staphylea . . 181
Stevia .. 192
Stocks 182
[illegible] 208
Swainsona 187 92 208
Sweet Peas . 182
Thunbergia 182
Trees . . 185
[illegible] 182 86
[illegible] . . 184
Tuberoses 181 82 83 84
Tulips 193
Vegetables 184 86
Verbena 182-83-84-87 90 92
Viburnum . 181
Vincas .. 182 92 [illegible] 208
Vines 183-84-86
Violets 184 208
Wistaria 181

MISCELLANEOUS

Auctioneers 210
[illegible] 18[illegible]
Boilers 212 13 14 15 16
Books 191 93 210 12
Business Opps . 206
Carnation Bands 18[illegible]
Collections . . 212
Cut Flower Boxes 212
Decorative Greenery 208
Designs . 208 10 11 14
Fertilizers 208
Florists' Letters 210 12
Florists' Supplies 208 10 11 12 14
Flower Pots, etc 210 12
For Sale 206
Glass 208
[illegible] 212 13 14
Glazing Points 21[illegible]
Greenhouse Bldg 213 14 16
Gutters . . 214
Insecticides ..182 208 12
Lawn Mowers 214
Lumber 212 13 14
Mastica 21[illegible]
Moss 208 12
Mushroom Spawn 182 83 84 8[illegible]
[illegible] 212
Painters' Supplies 212
[illegible] .. 212
Printing 186 212
Putty 213 14
Sash 212 14
Seed Cases .. . 184
Sprayer 212
[illegible] & Stakes 2[illegible]
[illegible] 213
[illegible] .. 213
[illegible] 208
[illegible] 212
[illegible] 213 [illegible] 16
[illegible] 206
Wax Flowers & Designs . .. 208

BRIEFS FOR BUSY FLORISTS.

ASPARAGUS PLUMOSUS.—There is hardly any plant that is more useful to the average florist than Asparagus plumosus. In a young state the plants can be used for many different purposes, such as mixing among ferns in jardinieres, or for foliage effect in window boxes and urns; and when they are large enough they can be planted on a side bench, and the sprays used for cutting purposes; or they may be planted in a solid bed, and allowed to throw up strings which are always salable wherever cut flowers of any description are called for. To have a supply of plants coming along, seed should be sown now. Sow the seed in shallow flats or pans, cover lightly, and keep in one of the warm houses, say, where the temperature does not go below 60 degrees at night. As soon as the seedlings are large enough to handle, transplant them into other flats, and later, when they get to growing nicely, put them into pots of convenient size.

CALADIUMS.—As Summer decorative plants the fancy caladiums are always in order, and one never sees too many of them. This is the time to start the bulbs, and when growing them it should always be remembered that they only do well when treated as stove plants and kept in a warm house continually. If they receive a check after growth once gets started, they never seem to recuperate, though after the leaves are well developed they are not nearly so sensitive and can be used for decorative purposes without suffering any injury. To start the bulbs, pot them into small pots, and plunge them in soil, or sand, on a bench where there is a steady bottom heat.

After the first watering, give no more until the roots have begun to work, but keep the material in which they are plunged always moist. Pot them into larger sizes as fast as the roots demand, until a 5 or 6-inch sized pot is reached, after which a little weak liquid manure may be employed occasionally when the pots get full of roots.

The elephant ear caladium, C. esculentum, may also be started any time now, if good-sized plants are needed when the time for setting them outdoors arrives. These may be started in the ordinary shallow boxes (about three inches deep is the best size), then, when they begin to crowd each other in the boxes, they can be potted direct into 4 or 5-inch pots, and can be grown along in the ordinary greenhouse temperature.

AZALEAS.—To have these come in just right for Easter will require some care and watchfulness, and it is a question of retarding rather than forcing. A cool house is all right, and if any of the plants seem too forward at any time, a little shading should be used.

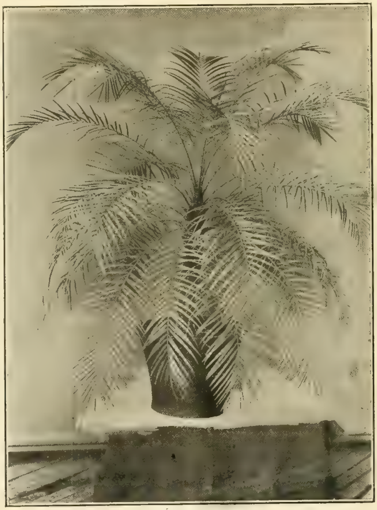
Palms.

Of the sixty or seventy kinds of palms cultivated under glass, not more than a dozen or so are considered commercially valuable; and these are grown in immense quantities to supply the great demand for them. I am speaking here of palms proper, not including such plants as pandanus, curculigo, dracaena, strelitzia, etc., which by some florists are sometimes classed as palms. Those kinds found to be most suitable for general use, and therefore raised in such numbers in large establishments exclusively devoted to this branch of the florists' business, are: Two varieties of kentia, one or two of latania, one of areca, one or two of cocos, one of cycas, two or three of phœnix, one or two of chamærops, and a few others.

The growing of palms does not require an abnormal degree of skill; indeed, it is easier to grow a fine palm than a fine carnation or a good geranium. But a careless, unreliable person in charge of a palm house can cause a deal of solid damage, amounting to the loss of hundreds of dollars in a very short space of time. For the benefit of beginners I will draw attention to some points of importance in the culture and management of these royal plants.

All palms are raised from seeds, excepting a few kinds which furnish side shoots around their base, which, if carefully taken off and potted, will grow on and make good plants, but never as good as those obtained from seed. It is of great importance to use only fresh newly arrived seeds, and to have a suitable place to start them in—a compartment over the pipes in the greenhouse, which can be covered with additional sash, in order to maintain a uniform moisture and a steady heat of from 77 to 82 degrees night and day. This bed, or box, is filled, either with very loose, porous soil of a spongy texture or, which is decidedly the best and proper material, with coarse sawdust, fresh from the mill. That with a pitchy odor is the best. It is not necessary to cut or otherwise mutilate the shell of the seeds before planting to facilitate germination. This, and the sawdust too old and fine, saturated with too much moisture, and the temperature under the sash kept too high, are the principal causes of failure.

A temperature much higher than 85 degrees kills the germ. The seeds of some kinds sprout in two or three weeks, while those of some others require a year and more.



PHŒNIX ROBELENI.

After the little grass-like plants have made a growth of an inch or two, they should be potted up into the smallest sized pots, taking care not to break off the seeds, which will adhere and which will furnish the only nourishment for quite a while yet. After the first shift into the next size pots, the roots will take hold of the soil, and the ligament, or thread-like fiber, connecting seed and plant, assumes a shriveled, dried-up appearance. This is the time to cut the seeds away. If left on longer, they become the starting point of a fungus, which very often also attacks the plantlets, destroying great numbers in a very short time. There is every reason to believe that this neglect has been the cause, in many instances, of the great losses experienced just at this period in the raising of young palm stock.

The means employed to induce a rapid growth are: a moist temperature of about 70 to 75 degrees, strict attention to cleanliness and order, copious but judicious sprinkling, and a frequent transplanting into pots, just a size larger, until the 4-inch pot is reached, the plants now displaying in their foliage the true character of a palm.

I advise retailers and growers with limited space to leave the raising of palms up to this size to those establishments that have made a specialty of the work. It is true, it is interesting, but on a small scale it is not a profitable undertaking, covering a long period of time, calling for close attention to details, and is only too often coupled with failure and disappointment.

The subsequent culture of palms in pots of from 4 to 6 or 8 inches differs materially from that just described for small stock. From now on, frequent transplanting is not advisable; once a year is sufficient for 4 and 5-inch stock; once every two years for those in 6 to 8-inch pots, and large specimens are left undisturbed for four or five years. A palm should have its pot completely filled with living roots before a shift is given.

Many of our palms are over-potted. The best time to re-pot is from March till August. In transplanting, see to it that the plant stands straight and exactly occupies the center of the new pot, and that the new soil is well firmed around the plant. In pots a few inches deeper than wide, better palms could be grown than in ordinary standards. A thorough cleaning and sponging of the leaves just before transplanting always pays. Use a stiff, rich soil, adding some bone-meal.

Thrifty plants, especially when root-bound, need a lot of water. Never, at any time, allow palms to get thoroughly dry. Their tops must be sprinkled at least once a day; oftener in the Summer.

It is essential to the welfare of palms grown under glass in our climate to guard against the scorching blasts of our hot and dry winds in Midsummer and early Autumn, by closing the ventilators of all well-shaded houses from 10 a. m. to 3 or 4 p. m. During the hot season full ventilation all night is resorted to. In the Winter, the shading on the glass ought not to be so heavy as it generally is found to be. A light coat of thin paint is sufficient, and none at all in the short days of Midwinter. See to it that every pane of glass over your palms is clear. A bent, warped, or blistered pane becomes a lens under the rays of the sun, and will ruin a high-priced palm in a few hours.

A temperature of 55 to 60 degrees is high enough for larger-sized palms during the Winter months; and for such as chamaerops, phoenix, and corypha, 45 to 50 degrees is all right. The less growth palms make in the Winter, and the more they are exposed to the full light at that time, the better will be the plants.

The sago palm (Cycas revoluta) makes its annual top growth all at one time, a complete set of new leaves accomplishing this feat in from ten to twenty days. During this time protect the plant from direct sunlight; frequently sprinkle the rapidly unfolding new crown and keep the roots well watered.

Palms want plenty of elbow-room; therefore, avoid crowding, and, if possible, in their arrangement aim at decorative effect; but so that every plant presents a full view to your customers.

As to insects, they should never appear on palms. Sprinkling keeps away red spider and thrips; mild fumigation, the aphis; and the worst pest of all, the scale, must be patiently and diligently hunted and painstakingly exterminated with toothbrush and whale-oil soap. Never keep in a palm house or near palms such scale-ridden plants as stephanotis, ivy, citrus, oleander, etc.

Palms are splendid parlor plants, and pre-eminent as decorative materials. If well-hardened off, they will stand a lot of handling and moving about, but are easily damaged if intrusted to the charge of careless people. Dry, or partly dried up, leaves at the base, and scratched, spotted, or broken ones at the top render a palm worthless. Large palms, with deep green leaves from the base clear up to the stately center, every one perfect and without a blemish, are a rare sight nowadays.

FRED. W. TIMME.

Phoenix Robeleui

The illustration herewith is of a well cultivated specimen of probably the most beautiful of all the known phœnix. Its habit is graceful and pleasing, the pinnæ being very narrow, closely resembling those of Cocos Weddeliana. The arching foliage, together with its robust constitution, make it a most desirable palm for decorative use.

Last year a large quantity of seed was imported, also a number of stems. Plants from seed (like many phœnix) are several years before they attain their true character, therefore some time will elapse before this palm can be procured at a reasonable figure. The stems sent home are much more preferable, after they become thoroughly established; they also break freely from the base. But extreme care must be exercised in severing them. The young growths have been detached from the plant figured. We have, however, a number of very bushy specimens in our St. Albans Nursery from the recent importation.

The first plants were sent to England 14 years ago and collected by Mr. Robelen and named in his honor. Several of the specimens imported at that time have found a home in the principal private collections in America, the one figured being at Madison, N. J., with D. W. James, Esq., and which Mr. Duckham, the gardener, has successfully exhibited at the New York shows.

A. DIMMOCK.

Ornamental Foliage Plants.

Paper read by John Thatcher, gardener to Edw. Le Boutillier, Esq., before Pennsylvania Horticultural Society, February 17, 1903.

Under this heading we have one of the most beautiful and varied class of plants cultivated under glass, which I am pleased to say is becoming more popular in this country. Let us hope the day is not far distant when every private establishment in the United States will have a stove or foliage plant house.

One might ask, what is more handsome than a well-grown croton, maranta or dracæna? Also to what advantage can they be used in the Summer time when garden parties, receptions, etc., are held at which the gardener does the decorating. They can be placed in shady places on the lawn and porches, also used in the mansion for the afternoon and evening, and they will not be in the least injured. I have heard many exclamations of surprise from ladies on seeing these plants so used, they remarking how much more beautiful the plants were than the common palms. During the Winter time anyone having any liking at all for plants can spend hours in a house of well-grown foliage plants.

The cultivation of this class of plants is very easy, providing one has a good ouse to grow them in. We have found hat a good rest, say from about the iddle of December to the middle of ebruary, is very beneficial. During hose two months we rarely have the mperature over 55 degrees during the ight. The plants are kept on the dry de, and it is very rarely that they er look worse after their rest. From hat time on we advance the temperaure a few degrees each week, so that the middle of March we try not to t it fall under 70 degrees. Air should given during all favorable weather; small crack each day during the inter will do a great amount of good sweetening up the atmosphere if nly admitted for ten minutes. As the ays get warmer more air will be required, but always given from the top. Ve never use the side ventilators, as used they dry up all the moisture. myself am a great one for getting air n early in the morning and closing up gain very early in the afternoon. I vill say here that the best plantsman I vas ever under would have full air on he stove plants by 8.30 a. m. during he Summer months, and would always ave it closed up again by 1 p. m. and he syringe going freely; and I can say ve were never far from the blue ribbon at the exhibitions on that class of lants.

Shading is a very important feature n the welfare of these plants. Some kinds, such as crotons or dracænas, will e benefited by a good amount of sun. Then take the maranta and alocasia, f given sun all the color will go. We lways try to get all plants that like he most sun on the sunniest side of he house, and all that do not like much un on the shadiest spot. For shading ve use white lead and coal oil, and we nly have to put it on once during the eason. But the ideal shading is some kind of canvas on rollers that can be ulled up and down with ropes and hen it will only have to be used on unny days. We commence shading bout the 1st of March.

About the 1st of March is also a good ime to commence potting. All plants should be examined; some will not require repotting, but I have found it a good plan to look to the drainage, as mperfect drainage is one of the most serious things in the cultivation. Those plants that do not require repotting should have some of the old soil taken off the top and a good top-dressing given with good rich soil. Others, perhaps, will want most of the old soil shaken off and then putting back in he same size pots, which should be quite clean and well drained.

Propagating is much the same as for all other plants; but to secure good stock of some varieties they should be mossed, and after well rooted, taken off the old plant; they will then want to be kept very close for a few weeks. Other varieties with creeping rhizomes, such as marantas, will have to be divided to increase their numbers.

I must say that many are not quite as particular as to soil as they should be. We use the old rotten sod, leaf mold, rotten rock sand, good dry cow manure and a small quantity of charcoal for nearly all varieties, but for marantas we add quite a portion of sphagnum moss. Peat we use very little of, as I consider good leaf mold far superior. I can say that some of the best dracænas I ever grew were grown n nothing but sphagnum moss and fed with Clay's fertilizer, which I like best of all, as it has given me more satisfaction than any other.

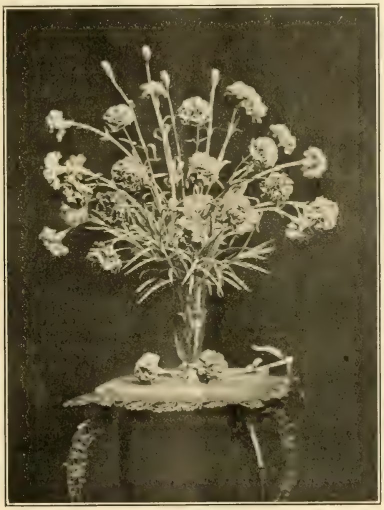
I will now give a list of twenty-five species of plants that we have in our collection. I will not mention any ferns or palms, which would make this paper too long, but which might be taken up at some future date. The list of plants is as follows:

Araucaria robusta compacta; Aglaonema costata pictum; Alocasias Sanderiana, nobilis, Watsonii, metallica, macrorhiza variegata; Ananassa variegata, Anthuriums Veitchii, Warocqueanum and chrystallinum; Costus igneus; Aralia Veitchii gracillima; Campylobotrys variegatus; Crotons Chelsonii, Johannis, superbus, Prince of Wales, Mrs. Dorman, Queen Victoria, Andreanum, Rothschild and Charmer; Curmeria Wallisii; Cyanophyllum magnificum; Dichorisandra musaica; Dieffenbachias Bausei, Baraquiniana, magnificum and marmorea; Dracænas amabilis, Charles Dissel. hybrida, Rothiana, Schultzii, Godseffiana, Goldieana, Doucetti, Lindeni, Sanderiana, Robinsoniana and Salmoneana, Heliconias aurea striata and rubricaulis; Marantas Makoyana, virginalis, Wallisii, Lindeni, rosea lineata, exemia and fasciata; Panax Victoria and Balfourii; Pandanus Veitchii, P. Baptistii, Phyllanthus rosea pictus, Phyllotænum Lindeni, Sanchezia nobilis variegata, Sphaerogyne, latifolia, Phrynium variegatum and Eranthemum pulchellum.

Carnation Indianapolis.

We send) u a photograph of our new pink carnation, Indianapolis. It is in its third year and we hope to disseminate it in the Spring of 1904. It is a cross between Mrs. F. Joost and Armazindy, but does not resemble either variety much. The color is a very bright, clear pink, that does not fade when the bloom ages. The stem is long and strong, and holds the bloom up well. The calyx nerve splits. It is a strong grower and an early and continuous bloomer. The best payer we have ever had on our place; it always brings top price. The size is large, 3 to 3¾ inches. The variety was certificated by the State Society of Indiana Florists on January 12, 1903.

BAUR & SMITH.



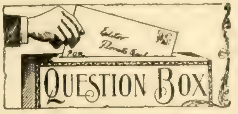
CARNATION INDIANAPOLIS.

Growers and Originators, Baur & Smith, Indianapolis.

The Coal Situation.

Editor Florists' Exchange:

In the January 10 issue of The Florists' Exchange Mr. E. A. Butler, of Niagara Falls, has an article concerning the burning of hard and soft coal together. He claims that they make the hottest and most durable fire. The hard coal that he speaks of is the very fine coal, or culm, to be used as a top dressing over the soft coal. This, to us, looks very feasible, for we have many times used this fine coal for top dressing over our hard coal. This fine coal, or culm, can be loaded on the cars here for about $1.00 per ton. If they can get plenty of soft coal, and cheaper than the large sizes of hard coal, it would seem that the florists' attention should be drawn toward this matter of using soft coal and culm together. The freight rate within a radius of a hundred miles from Scranton is about $1.50 per ton, that is, on prepared coal; it might be cheaper on this refuse matter. Each one could get the freight rate from his own station. This information may be of some use to florists in general. G. R. CLARK.



Forcing Deutzia Lemoinei.

(38) How long does it take to force Deutzia Lemoinei into bloom? Night temperature is 50 degrees. E. E. I.

—To force this deutzia into bloom at the temperature mentioned would require seven or eight weeks, so that to have the plants in flower for Easter they should be got into the greenhouse at once.

Peach Twigs Infested With San Jose Scale.

(44) Your letter of the 9th instant with specimens duly received. The peach twigs sent are infested with the San Jose scale (Aspidiotus perniciosus). The remedies for this pest are noted in circular No. 42 of this office, copy of which I enclose. I have merely to add to the information given in this circular that the lime, sulphur and salt wash, in the experience of this department and others during the last few years, has given much better satisfaction in the East than was the case with the earlier tests. We are, therefore, now recommending this wash more heartily than is the case in the circular referred to. L. O. HOWARD.

Government Entomologist.

Extract from Circular Referred To.

THE LIME, SULPHUR AND SALT WASH.

This is the invariable remedy for the San Jose scale in California and much of the Pacific Coast, and it is, under the conditions of climate obtaining in that region, undoubtedly very effective. Early experience with this wash in the East threw doubt on its efficiency as an insecticide under the climatic conditions prevailing throughout the eastern half of the United States. Some later experiments, however, have shown that wherever the weather conditions happen to be very favorable, duplicating in a measure the conditions on the Pacific Coast, this wash is effective in the East also. Unfortunately, the weather conditions cannot be relied on, and, therefore its use in the East is not recommended. But if a considerable period (ten days or two weeks) of bright dry weather could be assured after the treatment, it would probably give very satisfactory results when properly made and applied. It is a Winter application and is applied in January or February, or at any time prior to Spring growth. It may be prepared after the following formula: Unslaked lime, 30 pounds; sulphur, 20 pounds; salt, 15 pounds. Place all together in a barrel with 30 or 40 gallons of water and boil with steam for three or four hours. For use the mixture should be diluted to make 60 gallons of wash, and may be preferably applied at a high temperature. It may be made in smaller quantities by boiling over a fire, using the same proportion of ingredients. This wash is applied nearly every year or as often as the San Jose scale develops in any considerable numbers. It has the advantage rains retains its value as an insecticide of leaving a limy coating on the trees, which acts as a deterrent to the young scale lice, and where it is not washed by coating for some time, remaining in evidence on the trees for several months.

Carnations

(45) I enclose herewith some carnation cuttings. Will you be good enough to say what is the matter with them and what to do to bring them right? Also, whether the cuttings (shoots) for propagation are likely to inherit the disease, and whether or not they will outgrow it when planted out in the field? H. F. E.

—The carnations are very badly diseased, with what Professor Woods calls stigmanose. If all the growths are affected similarly to the ones sent for inspection, it would be folly to try to propagate from them, as not ten per cent. would root anyhow. We would recommend the purchasing of new stock rather than to attempt to propagate from such diseased plants. The disease itself comes from the punctures of aphis, and by carefully taking away affected shoots and keeping the plants rigorously clean and free from insects, the plants will eventually outgrow the trouble.

Gathering and Sowing Maple Seed.

(46) H. H. Norway maple seed is gathered in September and October, or it may be let fall from the tree and gathered up from the ground. Sow it at once, outdoors, broadcast, in beds three feet wide, covering the seeds with about ¾ inch of sandy soil. If Spring sowing would suit better, keep the seeds in a box, mixed with slightly damp soil all Winter, in a cool building, and sow as early in Spring as the ground will permit. Following either way, a good stand of seedlings should result.

J. M.

Clinging Vines.

(47) We are desirous of planting some quick-growing clinging vines. We have the side of a building 150 by about 10 feet, cemented stone wall. Above this wall is a weather-boarded frame warehouse, say 150 x 9. We wish vines to cover the whole as quickly as possible. Isn't there something that will cling to both wood and stone? We would like to plant different varieties to make a showy appearance. Would the trumpet vine be a good one? It is a south and east exposure.

H. S.

—The list of self-clinging vines is a somewhat limited one, but you would find these the proper sorts: Ampelopsis Veitchii, Japanese ivy; A virginica, Virginia creeper; Bignonia grandiflora, Chinese trumpet vine; B radicans, native trumpet vine; Decumaria barbara, Euonymus radicans and Hedera helix, English ivy. The Japanese ivy and Virginia creeper, with the two trumpet vines, are the best of the list. These cling either to stone or wood, and are fast growers. You might also try the English ivy. It should stand well at Kennett Square, Pa., as there are many ivy-clad houses in Philadelphia. Set out the plants as early as possible in Spring. J. M.

Vice-President S. A. F. for Eastern New York, Benjamin Hammond, Fishkill-on-Hudson, N. Y., has taken an admirable method of bringing the work of the society before his "constituents." He is distributing a neat pamphlet, bearing the photograph of President Burton, the aims of the society, and a reprint of the essay read by George E. Wienhœber at the Asheville Convention on "Marketing Cut Flowers at Retail." Mr. Hammond's example is worth following.

Some Noble Ferns of New Zealand.

New Zealand should be regarded as the ideal hunting ground of the fern enthusiast. It has been appropriately called "The Land of Ferns," as there are probably a greater number and variety of them within its limits than are to be found in any other country of equal area. The great length—almost 900 miles—in proportion to its width added to the height of some of its mountains, gives it a great range of climate. Considering the mildness of its climate and its beautiful scenery, New Zealand has so far not received the notice from tourists which is its due. The Government, however, has recently created a Department of Tourists and Health Resorts, and by the energetic action of the officers of this branch much useful information is now being circulated, with reference to the wonders of New Zealand scenery. The time is not far distant when we may expect a constant stream of people seeking change of air and scenery.

One of the chief attractions of visitors is the beautiful flora of these islands; and nothing is finer than the giant tree ferns—cyatheas and dicksonias. Those who have only seen a few specimens of these plants, in pots or tubs in greenhouses, have no idea of the noble, and yet at the same time wonderfully graceful appearance of a grove of these beautiful ferns. They sometimes grow among the native trees, but are often found almost alone in sheltered gullies and ravines, the ground at their base, and all the way up their trunks, being covered with the small varieties of ferns. Perhaps the variety which is the favorite with most visitors is the silver fern (Cyathea dealbata). The fronds of this fern have a beautiful silvery under-surface and are shiny green above. The stems, or trunks, are often 40 to 50 feet high, and the individual fronds twice as long as the tallest man is high. It forms a mass of fibrous roots and there is great vitality in this and in the trunk. It is not hard to remove from the bush and acclimatise in the garden or greenhouse. The magnificent effect seen when looking upwards among a grove of tall stems of this cyathea can scarcely be excelled by that of any other plant in the world.

Larger and more striking than the preceding is the black tree fern (Cyathea medullaris), so called from the jet black appearance of the trunk. This variety also grows in Victoria, but I understand it is now found there in quantity. It is a giant among ferns, often growing 60 feet in height, and sometimes far more. The Maoris use the trunk for their whares (or huts), and in their fighting days each village was surrounded by a ring fence of the trunks. The foliage is dark green and contrasts handsomely with the jet black trunks. This variety does not depend upon shelter (though, of course, it does not prefer a bleak spot), and it is therefore often planted upon lawns and among general borders here, giving a very light and graceful appearance to the surroundings.

There are several other varieties of these giant ferns, including Cyathea Cunninghami; the heritelias and dicksonias, but the foregoing are the most distinct and popular.

Hardly less well known, but more difficult to grow, is the lovely Prince of Wales fern (Todea superba), which takes its name from the striking resemblance the plant bears when in growth to the crest of the Crown Prince. This is not a giant variety and sometimes grows no more than 3 feet. In the young state this variety resembles T. hymenophylloides, but changes suddenly when the fronds assume the oblong stage. The older plants form great clumps of root with much vitality in them, and if taken up carefully are easily removed. I have known plants thrown under the benches in a fernery and left for months, and these when planted have done really well. It must, however, be kept (if in a house or conservatory) in a moist glass case. It will succeed very much better in a fernery. Exposure to a dry atmosphere even for a day will blacken the points of the lobes and spoil the appearance of the plant for some months. It succeeds well in a very shady situation, and I have seen it making a beautiful edging or border to a path in such a situation.

The cyatheas and todeas are often sent to Europe and other countries, and if carefully packed in sawdust or moss, almost invariably arrive in first-class order. The fronds are cut off before packing, and the stems, or trunks, are packed solid in strong cases and there is plenty of vitality in the masses of roots; they have no difficulty in starting forth fresh growths when planted.

Great numbers of these beautiful ferns have been destroyed by fire and in clearing away the bush to graze sheep upon; but, fortunately, there are still numbers left, and they are now being taken care of. Considering the number of Japanese fern roots which are annually imported into Europe and America, it is not surprising that the New Zealand varieties are also being inquired for. To any one interested in the subject, "The Ferns of New Zealand and Their Culture," by H. C. Field provides much interesting reading. It may be obtained from Griffen, Farren & Welsh, Charing Cross Road, London.

F. COOPER.

Wellington N. Z.

CARNATION MAGDALENE.
Growers Smith & Son, Cleveland, Ohio
Photo taken February 12, 1903

APPROACH TO OFFICE OF JOHN G. SHOLL, BURLINGTON, N. J.
An Object Lesson in Utilization of Waste Space.

House of Carnation "Magdalene."

The accompanying illustration shows a house of the seedling carnation Magdalene, formerly known and exhibited as 11-98. The photograph was taken February 12, 1903. In color the variety is a bright rose pink, very striking both at day and under artificial light. It has proved a great favorite among flower buyers. It is a wonderful producer, a rapid grower, of upright habit and is known by all that have seen it to be absolutely free of disease. This variety bids fair to become a standard sort, as it will be one of the most profitable carnations disseminated. Smith & Son, of Cleveland, O., are the originators, and they intend to introduce it to the trade next year. They will also exhibit it at the Brooklyn show.

G. W. S.

Bedding Plants.

The growing of bedding plants for the wholesale and local trade has become an important branch of commercial floriculture. Many firms have taken it up, and some devote large ranges of glass exclusively to this business. Our country still growing, empty lands and vacant lots all around us annually converted into new homes and gardens, and the love of flowers and the desire to beautify public and home grounds expanding, are reasons sufficient for the increase from year to year in the demand for good plants of all kinds, and justify the belief of many growers, that this increase will continue for many years to come. My own experience tends to confirm this opinion.

In the attempt to gratify this love for beautiful plants and flowers, comparatively large amounts of money are spent by rich and poor, but, unacquainted with the wants and habits of many varieties, and unguided by acquired experience or refined taste, the majority of buyers fail to produce those grand effects in combination and arrangement they had in view. The result is disappointment, complaint, and a probable loss of a customer or two the following season. Advice, even unsolicited, is often gladly accepted; and in cases like this a good deal of unpleasant consequence can be prevented by the intelligent plantsman and gardener by forestalling or correcting errors of that kind.

The introduction of valuable new varieties and improved forms of old-time favorites should be encouraged. They assist in overcoming that great sameness now prevailing, the endless unrelieved display of loud and glaring colors, so often indulged in.

These friendly hints are intended for the grower, whose business includes the laying out and planting of beds and borders under his supervision.

To enhance the good and combat the bad effects of competition, all good growers in this line should endeavor to cultivate and turn out first-class plants only; this policy after all being the only basis on which to found and build up a profitable business. The growing of certain kinds, which multiply quickly and are easy to raise, in large quantities, just because they are easily raised, should be avoided, when it is known that there is likely to be no call for them or at best only a limited demand. They soon take up a large amount of bench room, at a time when more profitable stock suffers for the want of it.

On the other hand, there are some sorts which are splendid bedders, giving satisfaction everywhere, but there are never enough of them to supply the demand, because they are somewhat difficult to start, and for that reason are either not grown at all or in small batches here and there. Plants of that character should be grown in greater numbers.

Our modern greenhouses, from 30 to 50 feet in width, and walls and ridge correspondingly high, as now erected on many places, and looked upon by many as innovations of doubtful value, I have found to be excellent for the growing of cut flowers, and certainly great improvements on old styles and methods. But surely they are not calculated to facilitate the growing of fine bedding plants. For work of that kind none equals in efficiency the old-fashioned even-span 10 or 12-foot house, with its one walk in the center and a high, convenient bench on each side, provided with abundant means for ventilation. A house like that offers many advantages. The plants stand close to the glass, receive the full light and all the fresh air needed, and are easily moved about—all points of importance in the growing of small, soft-wooded stock. Better plants can be grown in such a house than in cold frames.

A bench, with a number of heating pipes underneath, covered by a tile bottom, answers best for starting seeds and cuttings; and from now on every inch of it should be occupied in this way. For cuttings the bottom is covered, as usual, with three or four inches of sand, and the seed boxes, about 12 by 16 and 3 inches deep, are placed directly on the tiles. They are filled with mellow, fresh, moderately enriched soil, on which the seeds are sown, covered thinly, and, after being firmly pressed down, receive a good watering, applied with a fine "rose" watering can. They are then shaded, either by using muslin or paper for that purpose, but as soon as the little plants appear, the shading is removed, or these boxes are placed on some other bench, where the little seedlings receive all the air and light so essential to their welfare, thus making room for other boxes on the propagating bench. Never allow either cuttings or seedlings on this bench to become thoroughly dry.

To render a business like this profitable and to avoid losses, it is necessary to sow the seeds of the various kinds just at the right time, so as to have nice salable plants when Spring opens—plants not too small and backward, nor too far advanced, overgrown or stalky. Daisies and pansies are sown from August to December and the plants wintered outside. In January and February the seeds of many of the leading sorts are sown, such as salvia, petunia, begonia, lobelia, phlox, verbena, Vinca rosea, centaurea etc. In March we sow stocks, cobæa, ageratum, aster, gaillardia, dianthus, scabiosa, etc., and in the beginning of April it is time enough for zinnia, balsam, marigold, nasturtium, and a few others.

Petunias, lobelias, verbenas and salvias are propagated also by cuttings, and thus made bloom earlier, but are not as vigorous and reliable as plants of the same kinds, raised from seeds. Very fine seeds are not covered with soil, being merely pressed down. Of some of the kinds several sowings are made, to obtain the right sized plants all through Spring sales, such as asters, stocks, pansies, petunias, etc. The seeds of some kinds are invariably sown too thickly, especially those of lobelia and begonia; this, besides being a waste of seed, causes the plants to be forever afterward weak, spindly and worthless. Some little seedlings must be pricked off into other boxes as soon as they can be handled, or they will damp off; for instance, begonia, stock, Vinca rosea, and torenia.

Geraniums rooted in August and September make the most satisfactory bedding plants for Spring sales, but, the geranium being a plant that sells well at nearly all times of the year, a batch of nice cuttings from time to time helps to keep up that trade. The main lot of cuttings of such plants as coleus, double petunia, heliotrope, salvia, snapdragon, etc., should be struck from January to February. They all root easily, and on that account are often left too long in the sand. When their roots are from one-half to not more than one inch long, they should be potted up; also seedlings, when from one to two inches high, according to variety; 2 or 2½-inch pots are used. Most of the plants are sold out of this size pot; some out of 3-inch, and a great many, requiring several shifts, are offered for sale out of 4 and 5-inch pots, and a few kinds in good-sized clumps out of frames. Some growers, not easily converted from their primitive ideas, sell most of their bedding plants out of flats and shallow trays. This is a cheap way of doing business and helps to pull down prices of good stock.

Alternanthera and echeveria are multiplied by division, the first-named also from cuttings. Clumps of cannas and dahlias are cut into pieces and potted; and the same pot culture may be resorted to with gladiolus, tuberoses, and other Summer-flowering bulbs. If placed on a warm bench, they soon make good plants. Some growers allow their dahlia and canna roots to start first before they divide them, leaving one eye, or shoot, to each new plant. This is a good plan. FRED W. TIMME.

A Burlington (N. J.) Establishment.

I doubt if there is another florist in this country who gets more use out of a limited number of square feet than Councilman John G. Sholl, of Burlington, N. J. His greenhouses are what might be termed two-story houses. The ground floor is devoted to palms, ferns, rubber and other decorative plants, while at one end of the largest house are several large tanks for goldfish culture. Over these and underneath the main tables are other tables for Asparagus plumosus nanus and A. Sprengeri, so arranged that the air has free circulation about them and the sunlight shining down between the overhead benches falls on them the greater part of the day.

Supported by heavy posts and girders are the carnation benches, the main house holding between 5,000 and 6,000 plants. The south bench is 7 feet above the ground and the northern or uppermost bench is 5 feet higher. The intervening benches rise at corresponding intervals. Plank walks lead between the tables for the entire length of the house.

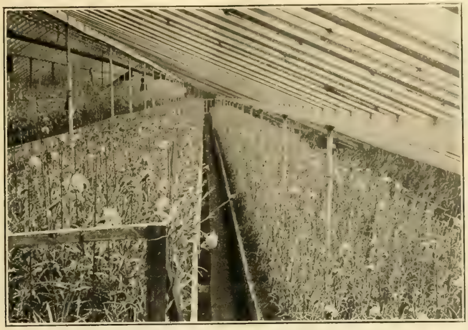
About the center of the plant are located the office and work rooms, boiler, storage room and stables. On the second floor above is another large carnation house, with the benches arranged in an order somewhat similar to that described above. The houses are heated by steam, a Mercer sectional boiler being used. The piping is so arranged, however that hot water may be used if desired.

The other houses are on the ground floor. The past Summer two new houses were erected, running north and south. They open into the main carnation house and were used for chrysanthemums. Just now they are filled with bedding stock, young chrysanthemums and young carnations.

A word about the carnations grown here. Mr. Sholl and his foreman Mr. Wells, take a great interest in the cultivation and improvement of this flower. Each year there is a large bed of seedlings for trial, which is always very interesting. The colors this year range from white, through all the pink and yellows, reds and variegations, and there is one, a purple, which shows up well under artificial light.

Five years ago, one, a pink, was selected which showed several good qualities, notably its freedom of bloom and pleasing shade, a little lighter than Mrs. Frances Joost, and having the beautiful sheen peculiar to the La France rose. This was No. 28 and known to the local trade as "Burlington Girl," until the present season, when Mr. Sholl decided he could offer it to the trade, and called it "Success," as he had found it the most successful variety he had grown. While it is not classed with the fancy flowers, the blooms are of good size, borne on stout stems, with good, strong calyx, and it is always in flower.

Among other seedlings that have been tried three years or more, but have not yet been disseminated, are two very good pinks, one, No. 45-90, a bright shade, with flower measuring 3 to 3½ inches; the other, No. 51-1, a lighter hue; and an excellent white, No. 37, of which, no doubt, we will hear more at a later date.



CARNATIONS MRS. FRANCES JOOST AND SUCCESS
Grown by John G. Sholl, Burlington, N. J.

Mr. Sholl has the best facilities for cultivating field-grown plants. A good-sized house is given over to rooting cuttings. The young plants are housed until April, when they are transplanted at the owner's farm, one of the richest in the vicinity, which lies about three miles from the city limits. Here the plants are worked weekly, with cultivator and hand-hoe, and are kept pinched back sufficiently to make the plants stocky and still not interfere with the growth. The houses are filled about September 1. Thousands of field-grown plants are supplied annually to Philadelphia wholesale houses.

H. O.

VIEW OF CARNATION HOUSE AT ESTABLISHMENT OF
JOHN G. SHOLL, BURLINGTON, N. J

Acetylene Light in Plant Growing.

The Acetylene Journal, of which Elias A. Long, well known in horticultural circles, is the editor, has procured considerable data relative to the use of acetylene gaslight in greenhouses and nurseries. Among the articles the Journal publishes is the one setting forth the experiments of Professor Rane, which appeared in our issue of December 27 last (p. 1481); also the following:

W. N. Dunklee "Windhurst," South Vernon, Vt., writes:

"I have used acetylene about two years for lighting greenhouses for cucumbers, residence, outbuildings, office, etc. I have thirty burners on machine and expense last year was only $27.40—about the cost of cleaning lamps. I do not have occasion to use any great amount of acetylene in the hothouse. Have experimented some by burning lights all night, and cannot discover so far any harm from acetylene, and believe if enough light were furnished it would be a benefit to vegetation."

Mr. C. DeWitt Wines, formerly of the Field Columbian Museum, Chicago, writes.

"From the chemical standpoint acetylene is not objectionable to plant life, but on the contrary, if there be a choice, is to be desired because its products of combustion, carbon-dioxide and water, are substances upon which plants feed.

"Acetylene in the flower industry would certainly be a long stride in the right direction for any one using artificial light. For matching colors the dry-goods men find acetylene perfectly satisfactory, and this means more than appears on first thought. Coal-gas light is not to be considered in color work, and the strongest argument against the electric light is its deceptive influence on color."

Messrs. C. W. Stuart & Co., nurserymen, Newark, N. Y., say:

"We have installed on our place three acetylene generators, one with twenty-five light capacity, another of fifty, and another of one hundred. The latter is used for illuminating our nursery cellars. All these machines are cared for by ordinary laborers. The machine in our nursery cellar is, at different times, in charge of any one of half a dozen workmen, and we don't remember having given instructions to any one, except one man. This goes to show that it certainly is not a difficult matter to attend to a properly made gas apparatus.

"The large machine is installed in an open cellar, no separate building is required. It is impossible to detect any odor from any of these machines at any time. In our packing cellar the light seems to give better satisfaction, if possible, than anywhere else, as it possesses peculiar qualities that make it carry into distant parts of the building, even when the surroundings are of some dark color that absorbs the light readily. Our lights are spaced twenty-five feet apart, and in the rows of trees where everything is dark color, this lights the space midway between the lights, so that the names of the varieties on the trees can be plainly read.

"Perhaps the best recommendation we can give to acetylene for nursery and plant men is the fact that we have had experience in using it, and continue to increase our plant."

To Clean a Boiler.

Editor Florists' Exchange:

I note with interest No. 43 under questions and answers in the last number of the Florists' Exchange, and it may be of some benefit to the craft if I relate my experience with soft coal, to the effect that since the 1st of December last I have been burning soft coal in a No. 5 Lord & Burnham boiler, and the surfaces of the boiler are today as clean as they ever have been since the boiler was put in service. The only objection I can see to the use of soft coal is the large amount of dust which settles on the flat surfaces of this type of boiler, making it necessary to clean very often. Now that anthracite coal is down in price, I asked the "boys" if I should get some for the No. 5. They replied that they preferred soft coal, even if hard were lower in price. Y.

New Haven, Conn.

The New Haven County Horticultural Society held its second annual banquet in the Tontine Hotel Tuesday, the 10th inst. It proved a great success. Delegates from the Hartford Florists' Club came down on a special train. Others came from Bridgeport. J. N. Champion acted as toastmaster. After the inner man had been well attended to, the toastmaster called on Mayor Studley, of New Haven, who welcomed the out-of-town guests in the name of the city. Mr. Amrhyn, president, gave a brief history of the society. W. J. Stewart, of Boston, spoke on the excessive express rates. Mr. Woodward presented Mr. Amrhyn with a gavel to keep us in order the rest of the evening. Remarks were also made by the Hartford and Bridgeport visitors.

WM. McLEAN ARDNER.

Newark, N. Y.

J. L. Quance, of this place, has just had a very unusual experience, and has not yet decided whether he is to be congratulated or not. Desiring a good well of water, a well was started; after reaching 26 feet, rock was struck, and after boring 90 feet a good supply of water was struck, and Mr. Quance was happy. But after several applications to his plants they began to flag and finally die. The blame for this was at once laid to the water. An analysis of it proved that it contained salt, magnesia, lime and soda. Chemists have pronounced it a high grade of litha water. The question is now which will pay the best, the "pump" or the greenhouses. H. Y.

CARNATIONS

American Carnation Society

TWELFTH ANNUAL MEETING

Brooklyn, N. Y.

February 19 and 20, 1903

FULL REPORT OF THE PROCEEDINGS AND THE EXHIBITION

The 12th annual meeting of the American Carnation Society convened in the City of Churches, as Brooklyn, N. Y., is familiarly termed, on Thursday and Friday, February 19 and 20, 1903, amid weather conditions that seem to be the common concomitant of this progressive body when it holds its yearly convention and exhibition. Three days previous to the opening of the proceedings the district had been bound in a heavy snow storm, with its wonted accompaniments of impeded railroad traffic rendering transportation slow and tedious, with belated trains and similar inconveniences as a consequence. Thursday morning, however, broke bright and clear, crisp and cold.

The meeting and exhibition this year were opened under the most favorable auspices, backed by the efforts of the Brooklyn Institute of Arts and Sciences, an organization without parallel in its class in America, if anywhere else in the world, along educational and progressive lines. Through the liberality of that body the exhibition halls, the art rooms and assembly hall, 174 Montague street, and necessary equipment thereof, were provided, while the Brooklyn Horticultural Society, composed of members of the local craft, carried the preparatory work to a culmination of the most satisfactory character.

Manager Plumb and his aides had everything in elegant shape prior to the opening, and the work of staging the exhibits was conducted in a smooth and satisfying manner.

A preliminary meeting of the Carnation Society was held on Thursday forenoon for the selection of judges, and the following gentlemen were chisen:

CLASSES A, B AND C: Messrs. W. N. Rudd, M. A. Patten and Charles H. Allen.

SPECIAL CLASSES: Messrs. S. J. Reuter, F. H. Lemon and Arthur Herrington.

CERTIFICATES: Messrs. William Scott, Richard Witterstatter and William Nicholson.

It was unfortunate that owing to the storm, and resulting railroad delays, must of the out-of-town exhibits arrived late, and some of them frozen, among the latter the blooms of W. N. Rudd, of Mt. Greenwood, Ill.

The visiting delegates began to arrive early in the week. The Pittsburg contingent reached New York on Tuesday, the Detroit delegation on Wednesday forenoon, and the Chicago coterie on Wednesday night.

First Day—Evening Session.

The first session of the Society was held in the Germania Club, 122 Schermerhorn street, Brooklyn, on Thursday evening, at seven o'clock. A large audience was present.

Address of Welcome.

Park Commissioner Richard Young made the address of welcome.

He said in part:

The Gentlemen of the Carnation Society: I, perhaps, might be expected to say something regarding the flower of which you are so proud, and which your pride and admiration have brought into such fame throughout the country, and especially that has brought to the attention of the people of this city the beautiful flower which you admire and represent, but unfortunately for me, I am not competent to speak on that subject. I, however, think that those who cultivate and propagate this flower do great work in the world. I do not speak to you as business men, because you left that behind in a great measure when you came to this city to present to its people the fruits of your labor. I think it is a very delightful thing to do this—a most commendable thing—I think it is a very profitable thing that you should come to Brooklyn with your great Carnation Exhibit. I do not know why you have not been here before, and especially am I a little surprised at this from the fact that those who have been foremost, in a large measure, in the cultivation of the carnation, were Brooklynites, or rather residents of Flatbush, which is a part of Brooklyn. I have known the man who might be called the Father of the Carnation development for many years. I refer to Chas. Zeller, and a fine specimen of the lover of flowers is he. I have known him for twenty-five years nearly, a man whose reputation as a Christian gentleman is above question, who always has been a devotee of his profession, such as I almost never knew. But he is become bent, has been for many years, as though he had been bending over flowers he cultivated until it became second nature to him. A man of refined culture in the profession, second to none I have met.

But I am not here to speak of individuals. I am here just for a few minutes to extend to you a hearty welcome to the City of Churches and the City of Flowers. I think I can say safely that, so far as I know, there is no city in this country that is as devoted to flowers as is the city of Brooklyn. I have no statistics, but I think that perhaps our people show their affection, their regard, for flowers as fully as in any other part of the country, in their lavish expenditure of money on flowers. The flower is recognized in Brooklyn from cradle to the grave, at all the feastings, festivals, the displays are becoming more lavish all the time. I have recently been to a funeral in this city and I was surprised. I think it took four carriages—and he was not a very widely known man—it took four carriages and a wagon to convey to the last resting place the tributes of his friends.

But I want to speak just a word of the city that welcomes you to-night as its representative in the Park Department—the city that stands, I think, third in population in this country—the borough of Brooklyn. This city contributes to the city of New York the brain, the sinew, stability and all those characteristics that go to make up a great manhood that is found in the home, because Brooklyn is essentially a city of homes. Of the 1,300,000 of people who have their abode here, a great majority go to the city across the river. They walk its streets, and trade in its marts, they go and come on its great highway, and walk back and forth across the river which separates the two cities. There is no measuring the influence of this borough compared to that across the river. When a man attains great wealth, so great that he outgrows the old home, he crosses the river and sometimes finds himself lonely, he comes back because the environments are so different. It is more like some of the older Western cities, where men know each other, where men prize each other for their merit. The city of Brooklyn—old, dear old Brooklyn, of which I have been a resident for more than thirty years, has grown from a comparatively small city to one of immense proportion. In my capacity as Park Commissioner I am compelled to visit all parts of it. I have driven thirty miles in one day around the parks of the Borough of Brooklyn and Queens (those two boroughs are indeed one—under the one control in the park work), and from Flushing to College Point, to Coney Island, and through the Heights, across almost to Rockaway, from Forest Park around to the park on the Bay Side—Bensonhurst, winding in and out among flowers and shrubs, and trees, the growth of cultivation and taste. There are those here who are no older than I who remember well when a park was said to be an extravagance. A man of culture and refinement came to me when I was pleading for a park at the seashore at Coney Island, yesterday. He said: "Is it not a question you should consider what this is to cost the people? Look at it from a financial standpoint." Never; I cannot do that in any narrow sense at all. I understand values as well as anybody. I say to you, gentlemen, there is no better value to be attained anywhere than by creating that which is beautiful, and that which benefits any city. The planting of flowers, trees, and shrubs, laying out of lawns, the cultivation and the bringing up of those things which nature has provided, elevates the people. Anything that elevates affords enjoyment to life and lifts people above sordid things, above the low things, is one of the greatest blessings that the world can give.

When the question came up of laying out Prospect Park here, and the dear old man Stranahan urged and begged, pleaded for the money to secure that park, many people said, "It is a waste of the public money." That park has cost the city over $10,000,000, perhaps $14,000,000 or $15,000,000, but to-day, looking at it from a sordid standpoint, looking at it from the standpoint of the man who considers only intrinsic value, that park to-day is worth, and would sell under the hammer for more than $20,000,000. Parks that have been bought for the poor, for the children in their mothers' arms, for the tired and weary of the world, have cost money and a great deal of it. But what better can man give to humanity than rest and peace and beauty? The old city of Brooklyn has grown in my day from a population of 300,000 to 1,300,000, and there is room within the borough for a population of not less than five millions, and then we might have nearly every house detached.

There is a broader and deeper requirement calls upon us, and that is, to provide for the people of the cities, resting places, and flower shows, to provide beautiful ferns and plants, shrubs and trees, for the masses. You are contributing widely to this. You may build more wisely than you think.

The man or woman must be very low, and I do not know that I have even seen or known a man or a woman who is not influenced by flowers. Gather a bunch of carnations and take it to a penitentiary, take it to a truant school, and every hand is stretched out, whether it be a man or woman. It is like a strain of music, there are very few, indeed, who are so lost to the beautiful things of the world that they will not reach out for flowers. Oh, what a beautiful thing it is when a flower show is over, when a fair is over, when a wedding is over, aye, sometimes, when a funeral is over, that the flowers be gathered and taken to the hospitals, taken to the prisons to give cheer to those who need it so much.

Now, my friends, I want to thank you earnestly for your coming to Brooklyn, your giving to Brooklyn the opportunity which you are presenting for one of the most beautiful things possible.

I think I can say with safety that those who know the carnation, those who study its development, are few, but before your exhibition is over the carnation will be more widely known, more highly appreciated than ever before. In cultivating the taste, in making your exhibits, it cannot be otherwise than that you reap the benefit. I mean, there may be thousands who will not, individually, but as a profession, as a trade, it cannot be otherwise than that you shall reap the reward that you deserve. To a man standing outside and knowing but little of flowers, the development of carnations, the development of chrysanthemums are wonders and amount almost to miracles. To think that man can add to the beauty of what has been created and intelligently go on step by step!

The commissioner then referred to a recent visit paid by him to Japan and spoke of the great floral wealth seen in that country, comparing its cheerful, joyous people with the more serious and earnest character of the Chinese, closing with the remark, "My friends, I didn't come here to talk to you; I came to welcome you to Brooklyn, and I do so with all my heart. (Loud applause.)

Response.

Wm. Scott, of Buffalo, responded on behalf of the American Carnation Society. He endorsed Park Commissioner Young's remarks on the educational value of parks.

The exhibition of carnations at Brooklyn was, in Mr. Scott's opinion, the equal of any the Society had ever given; the quality of the flowers was ahead of those shown on previous similar occasions. In closing, the speaker touched on the great growth of park and garden development in the United States in such centers as Brooklyn, Boston, New York Philadelphia and elsewhere. While the florist loves his business, he should not put too much commercialism into it, and "don't let us have any crape chasing, or anything of that sort, for God's sake, Amen." (Laughter and applause.)

Mr. Scott was given very short notice, indeed, to prepare his response, but he was, as at all times, equal to the occasion, and acquitted himself as is his wont, interspersing his remarks with a number of anecdotes that kept the audience in happy humor.

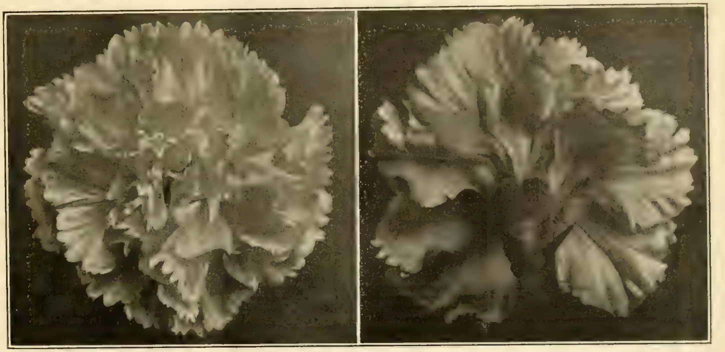
The Park Commissioner invited the delegates to visit Prospect Park. He characterized the palm house there as second to none he had ever seen connected with any park system, not excepting Bronx.

President Ward's Address.

President Charles Willis Ward, of Queens, N. Y., then delivered his address, as follows:

The twelfth annual convention of our prosperous, vigorous and useful Association convenes in the good old city of Brooklyn under most auspicious circumstances. Never during any period since our organization at Philadelphia, on October 15, 1891, have the results accomplished been more apparent. Our growth has been a healthy and steady one, each year adding substantial achievements and additional luster to our name. At each of our previous annual meetings it has almost seemed as if the enthusiastic interest in the carnation must sooner or later wane; nevertheless, at the present time the interest in the Divine Flower is noticeably greater than it was 12 months since, and there now seems to be no valid reason in sight why this interest should in any wise wane in the future.

The improvement in the carnation as to size, strength of stem, richness of color, and freedom of bloom, has kept even pace with the advancement of our Society. The size of the flower has practically reached that of the largest blooms that were produced by the English carnation culturists as early in the 19th century as 1830, at which time the English carnation seems to have reached the apex of its im-



Front View. **CARNATION GOVERNOR LOWNDES.** Back View.

H. Weber & Sons, Oakland, Md., Growers and Introducers.

provement and popularity. At that period carnation blooms nearly five inches in diameter, upon strong stems approaching four feet in length, were grown and exhibited. This was, however, done by developing the flower with artificial feeding, much in the same manner as the enormous chrysanthemums of the present day are grown. In addition to this it was necessary to bind up the calyces of the flowers and to split down the points to prevent bursting, as well as to extract surplus petals and arrange those remaining, in order to produce a shapely bloom. Then, too, the English carnation was produced during the early Summer months, a much easier cultural feat under English climatic conditions than is the production of our magnificent flowers in Midwinter.

Little need be said regarding cultural methods, the exhibition of seedlings, or the granting of certificates, as that ground has been thoroughly thrashed over by my predecessors. Sufficient to state, that from present appearances there has not been, nor will there be any future diminution of the enthusiastic experimental work and careful study being performed by the members of our Society.

It is with pleasure that I am able to announce the completion of the incorporation of our Society under the laws of the State of New York. The certificate of incorporation has been filed with the Secretary of State at Albany, and has been approved by him as well as by a Justice of the Supreme Court of the State of New York, and filed in the office of the County Clerk of Queens County. The Board of Directors has carefully compiled a constitution, which will be presented for consideration this evening, and to which I would invite your careful attention.

So far as my mental vision can now forecast the future, our skies seem to be clear, with but slight exception, and that exception is one which we may easily avoid. As our members are well aware, the general sentiment of our Association has from the beginning been in favor of maintaining the Carnation Society upon a substantial and independent basis; not binding ourselves in any partnerships, but maintaining such friendly attitudes toward other national floricultural and horticultural organizations as would secure for us a free and untrammeled field for the performance of our particular work.

A few years since, the agitation of a scheme to combine all American horticultural societies was begun by some leading members of the Society of American Florists, and while such combination seemed to be fraught with considerable danger to the interests of our Carnation Society, consideration of the subject was entered into in a broad and liberal spirit, with the view that if any feasible method could be devised whereby an association of these societies could be brought about upon a plan that would sufficiently safeguard the interests of our Society, I would favor such union, and would join my influence to bring it about, although aware at the time that many of our influential members were honestly and firmly opposed to such effort. Our esteemed fellow member and wise counsellor, W. N. Rudd, early pronounced the scheme a hopeless one, and strenuously advised its abandonment, a position which he has since consistently held.

While I am of the opinion that it would be possible to organize the various florists' associations into a representative body, upon lines similar to those upon which the Government of the United States is planned, nevertheless, after having served for two consecutive years as chairman of the committee on closer relations in the Society of American Florists, and having during this period endeavored to co-operate to the best of my ability in bringing about such union as would be acceptable to all of the interests involved, and at the same time to protect the future welfare of our Carnation Society, I was finally forced to the firm conclusion that the task is hopeless.

There are certain radical elements among the membership of the Society of American Florists who believe that that society should be given such a dominating position in the association as will eventually cripple the independent positions of the other associations, and until such radical element shall have changed, or have been overcome by the more conservative members, to the end that their views may become so modified as to enable them to consider the project in a spirit of greater liberality, recognizing that the Carnation, Chrysanthemum, Peony and other national horticultural associations may stand upon the same footing as that of the Society of American Florists, and be represented in the combined body according to the numerical strength of their membership, there would seem to be no practical hope of bringing about such a combination, and it would seem as if further agitation or discussion of this subject would lead only to misunderstandings, and perhaps feelings of animosity.

It is my belief, and I think the opinion of those most interested in the future welfare of the Carnation Society, that its present position, free and untrammeled by any copartnership with any other association, should be maintained. Partnerships between individuals are more or less dangerous, and partnerships between associations of individuals are equally so. Neither should be entered into unless it may be necessary for the protection of the contracting parties, or unless the benefits which appear to be certain to be secured are of sufficient magnitude to warrant the risks incurred. It would seem as if no such valid reason exists in this case, and consequently, that the subject should now be dismissed.

The Carnation Society has a necessary work to perform. Up to the present time it has performed that work well, without the assistance of other associations; in fact, in the face of more or less opposition it has demonstrated that it can carry on and maintain its work; and wherever it has held an annual convention it has been received with open arms, and, better still, bidden to come again.

The increase in the carnation industry of the country, which is undoubtedly a permanent one, will render it more or less easy as the years roll on to maintain our present status. The carnation is unquestionably second to no flower as a staple florists' commodity. The sale of carnations must always be classed upon the same basis as that of roses, and it would not be surprising if in the end the carnation would exceed the rose in commercial importance.

Before concluding I would particularly call your attention to the generous treatment which has been accorded our Society by the Brooklyn Institute of Arts and Sciences. It has been more than liberal in our entertainment; in fact, has exhibited a generosity which I believe has not been excelled by any other association that has charged itself with the entertainment of our Society, and I would especially request that a fitting resolution be passed, acknowledging the courtesies which we have received at their hands.

The work of the local florists, who organized the Brooklyn Horticultural Society for the purpose of contributing to our entertainment, has been none the less generous, and they, too, deserve commendation and praise at your hands.

The scarcity of fuel caused by the great coal strike has borne particularly heavy upon those florists who had not purchased their fuel supply early in the season, and the situation has been fraught with the greatest of danger. It would seem as if some plan ought to be worked out whereby such long-continued disputes between miners and operators may be rendered practically impossible. Having a somewhat intimate knowledge of the conditions prevailing in certain sections of the coal fields of the United States, I have given the subject some considerable thought, and must confess that I see no way in which the florists may be able to rectify the matter. It seems a proposition that must be worked out by the parties most interested in the operations; that is, the miners and the operators. Unless it is possible to evolve some plan of legislation that will prove efficacious in settling the disputes between the miner and his employer. Up to the present time no such plan seems to have been thoroughly thought out.

The increase in the express rates charged for the transportation of greenhouse products is not pleasant to contemplate, and if it is possible to secure a reduction of said rates to the former basis it should be done.

In the discussion following the president's address, Mr. Scott moved a vote of thanks to the Brooklyn Institute, and to the Brooklyn Horticultural Society, paying tribute to the excellent accommodation provided, and to the arrangements made for the work of the Carnation Society.

Secretary's Report.

Secretary Herr then read his report as follows:

Your secretary has his usual short report, having issued the proceedings of the Indianapolis meeting in due time, mailing the same to all paid-up members of the Society.

A preliminary premium list was issued in the Summer, the regular list February 1, and various circular letters during the year, all of which were mailed to the members. Any one not having received these items will please report to their Secretary, so that he may get their addresses corrected.

The membership for 1902 consisted of 267 paid-up members; lost during the year for non-payment of dues 22; new members gained previous to this meeting 19. This is a good showing as usually the gain aside from the meeting is very small.

Duplicate bills for dues that had been paid were issued to three of the members during the year, and your secretary publicly apologizes for this error. He also wants to thank the exhibitors for their careful attention to the details of their entries, as it considerably lessens his work at a very hard time of the year.

The 25-cent tax for vising the railroad certificates is an innovation of the railroads, and will be applicable to all tickets of this kind, so that our Society is in no way discriminated against in this respect.

That the Society is doing good, active work is shown by the fact that the postage used from March 2, 1902, to February 12, 1903, is $42.00.

ALBERT M. HERR, Secretary.

Treasurer's Report.

Treasurer F. E. Dorner's report showed the following items:

Receipts to the working fund during the year	$952.00
Paid out	887.79
Cash in bank to working fund	64.21
Permanent fund—balance as per report February 18, 1903	1,650.00
Cash received during the year to permanent fund	223.00

Messrs. Esler, Scott and Rudd were appointed an auditing committee to examine the treasurer's accounts.

The Carnation as a National Flower.

E. G. Gillett, of Cincinnati, chairman of the committee appointed on this matter last year, made a report in which he stated that Mr. Reynolds, the originator of the "Carnation League," had practically done what the Society's committee had set out to do. Mr. Altick, of Dayton, O., outlined the work accomplished by Mr. Reynolds, who had secured already for his League over ten millions of members. The sale of carnations on January 29, the birthday of President McKinley, had in Mr. Altick's opinion benefited the florist trade of America to the extent of from $75,000 to $150,000. He suggested that a committee of the Carnation Society be appointed to formulate a plan whereby each individual member could contribute voluntarily to the national McKinley Memorial Fund a share of the profits which "Carnation Day" had been instrumental in bringing about.

Mr. Scott endorsed the suggestion heartily. He advised against "killing the goose that lays the golden egg" by charging an exorbitant price for carnations on that day. Some dealers, he observed, had demanded a price of 50c. a flower, which, in his opinion, was a mistake.

Detroit, 1904.

An invitation to hold the next meeting and exhibition in Detroit, Mich., was extended by telegram from the local club, also by Mr. Beard, of that city, and accepted by the Society.

Nomination of Officers.

The following gentlemen were nominated as officers for the ensuing year:

President—George A. Rackham, Detroit, Mich.

Vice-President—James .Hartshorne, Joliet, Ill.

Secretary—Albert M. Herr, Lancaster, Pa.

Treasurer—Fred. E. Dorner, Lafayette, Ind.

Phil. Breitmeyer, of Detroit, declined the nomination for vice-president.

The New Constitution.

The proposed constitution governing the newly incorporated Society was then presented, and immediately instituted a lively discussion, involving legal and other technicalities. The motion made at Indianapolis last year called for a copy of the document being placed in the hands of each member thirty days prior to the date of the next annual meeting. Through an inadvertence this fact had been overlooked. Finally the difficulty was bridged over temporarily by a motion to accept the constitution as printed without discussion, and that it be taken up for consideration next year.

The date of the annual meeting being left blank in the constitution, an expression of opinion was asked from the members on this important subject.

It was conceded generally that the present date was a most inopportune one from a weather standpoint. Some members favored the first week in February; others the first week in March. The latter date had a strong supporter in Mr. Lemon, of Richmond, Ind., who advanced the statement that in both quantity and quality the exhibitions would be advantaged by being held on that date. Every man attending the shows would then see the new varieties which are not good Winter bloomers at that time, and will have ample opportunity to note their behavior in this respect at the following exhibition. New carnations were not bought on first sight or acquaintance, but were watched month after month, and, at times, year after year.

Mr. Rudd did not know of any scientific reason, or otherwise, why the first week in February or the last week in February should be selected, and there was no ground for belief that the existing weather conditions would continue. Buyers of new carnations generally crystallized their ideas as to whether they would buy the varieties after seeing them at the annual exhibition.

Mr. Scott thought a change of date was necessary, though science revealed nothing that would forecast the weather. The conditions for years had been disadvantageous, and something must be done to counteract these if possible. Messrs. Dailledouze, Peirce, Gillett and others also favored a change of date.

With the various opinions on the subject in their possession, the directors convened after adjournment of the regular session and selected as the date of the next annual meeting.

The First Wednesday in March.

Phil. Breitmeyer promised propitious weather in Detroit in 1904, no matter what the date chosen.

The meeting adjourned at 10.30 p.m.

Friday—Morning Session.

The delegates were tardy about getting down to business this morning, it being nearly noon before the session opened. The reports of the judges were read as under:

Judge's Report.

One hundred white—First, John N. May, Summit, N. J., with The Bride; second, S. J. Goddard.

One hundred light pink—First, Peter Fisher, with Enchantress; second, Albert Roper, with Fair Maid.

One hundred dark pink—First, John H. Taylor, with Mrs. Lawson; second, C. W. Ward, with Mrs. Lawson.

One hundred scarlet—First, M. A. Patten & Co., with J. H. Manley.

One hundred crimson—First, Chicago Carnation Company, with Harlowarden; no second.

One hundred yellow variegated—First, L. E. Marquisee, Syracuse, N. Y., with Sunbird; second, S. J. Goddard.

One hundred white variegated—First, Peter Fisher, with Mrs. W. A. Patten; no second.

Fifty white—First, L. E. Marquisee, with Albatross; second, Peter Fisher, with Governor Wolcott.

Fifty light pink—First, Peter Fisher, with Enchantress; second, C. W. Ward, with Alpine Glow.

Fifty dark pink—First, Patten & Co., with Mrs. Lawson; second, John H. Taylor, with Mrs. Lawson.

Fifty scarlet—No award.

Fifty crimson—First, C. W. Ward, with President Roosevelt; second, Chicago Carnation Company, with Harlowarden.

Fifty yellow variegated—First, L. E. Marquisee, with Sunbird; second, M. A. Patten & Co., with Dorothy Whitney.

Fifty white variegated—First, Patten & Co., with Mrs. M. A. Patten; no second.

Fifty any other color—First, C. W. Ward, with Sensation; no second.

Twenty-five white—First, L. E. Marquisee, with Albatross; second, Wm. Duckham, gardener to D. Willis James.

Twenty-five light pink—First, C. Besold, Mineola, with Gœthe; second, M. A. Patten & Co., with Fair Maid.

Twenty-five dark pink—First, John H. Taylor, with Mrs. Lawson; second, Wm. Duckham, same variety.

Twenty-five crimson—First, Wm. Duckham, with Gov. Roosevelt; second, Chicago Carnation Company, with Harlowarden.

Twenty-five yellow variegated—First, C. Besold, with Admiral Cervera; no second.

Twenty-five white variegated—First, Patten & Co., with Mrs. Patten; C. Warburton, Fall River, Mass., with Prosperity.

In Class D, for collection of ten nor more than fifteen varieties, C. W. Ward was first and Dailledouze Bros. second. There were no entries in the Class E for six varieties, but in Class F, which calls for not less than five nor more than eight varieties, C. Besold was first and Chas. Webber second. Peter Fisher won the silver cup for the best exhibit of 200 blooms, any variety or color, with Enchantress. For the best collection of single blooms, greatest variety and only one of a kind, all named or numbered, Dailledouze Bros. was first and C. W. Ward second.

There were no entries in the class for the Lord & Burnham prizes, which calls for varieties sent out prior to 1902.

For the best fifty blooms of Cressbrook, C. E. Dickerman, Dorchester, Mass., was the winner. Patten & Co. took first for fifty blooms of Gov. Wolcott, no second or third prizes being awarded. In Class L, where the prizes are the Lawson medals, the gold medal went to Peter Fisher, with Enchantress, the silver medal went to L. E. Marquisee with Flamingo, and the bronze medal went to C. W. Ward. The S. A. F. O. H. silver medal was won by L. E. Marquisee with Albatross, and the bronze medal was won by Peter Fisher, the competition in this class was for undisseminated varieties only.

For the best fifty blooms of Viola Allen, C. W. Ward was the winner. The prize in this class was a piece of art glass valued at $25, offered by Miss Viola Allen.

Certificates were granted Peter Fisher for Gov. Wolcott, L. E. Marquisee for Flamingo and Albatross, also for Sunbird, and H. Weber & Sons for Gov. Lowndes.

Election of Officers.

The gentlemen nominated last evening were duly elected to their respective offices.

Mr. Rackham returned thanks for the honor conferred, adding if hard and earnest work would make next year's convention a success that factor would not be lacking on his part.

Messrs. Wm. Scott and Peter Fisher were appointed a committee on Final Resolutions.

Sports.

Mr. Rudd called attention to the necessity of the Society taking cognizance of the registration of sports. He pointed out that of the various sports of Mrs. George M. Bradt now in existence one was named White Bradt, another had been registered as Mrs. Seward Webb. The variety Armazindy had sported all over the country, and was being sold under five different names to his knowledge, each variety offered being practically the same. Such a practice was bound to breed confusion and cause financial loss.

He also suggested that in regard to the registration of a new variety bearing the name of some individual the Society should not recognize such name unless the notice of registry was accompanied with the evidence of the permission of the party after whom the variety was called for that title to be used.

President Ward thought it would be a good thing, where sports were of such distinctive difference from the type, to characterize them as a white or pink sport of such and such variety, as the case might be, and that such title should be adhered to by growers with whom sports occurred if those sports were practically identical.

Mr. Dorner added that where a sport was known by two different names he always gave the synonyms in referring to it, as, for example, Red Bradt (Chicago).

A motion was eventually carried to appoint a committee of two to act in conjunction with the secretary as a nomenclature committee to supervise the work of registration and naming.

A further motion was passed that this committee, in the case of sports, only register the names supplied provisionally until the varieties have been submitted to the Society at its annual meeting for determination as to whether the sports registered were distinct enough to be considered worthy of a separate name.

Mr. Herrington remarked that the Society could place no embargo on naming; and registration established priority. If duplications of varieties were discovered the nomenclature committee of the Society could put the matter right.

Mr. Wallace pointed out that priority of name was held by the Paris Conference on nomenclature to be established by publication in any periodical or catalogue distributed among readers or clients.

The preparation of the premium list for next year's exhibition was left in the hands of the Board of Directors.

After a discussion on the transference of the property funds, etc., of the old organization to the newly incorporated body, the Society adjourned to reconvene in Detroit the first Wednesday in March, 1904.

The Exhibition.

The twelfth annual exhibition of the American Carnation Society, held in the Institute of Arts and Sciences, Brooklyn, N. Y., on Thursday and Friday of this week, was a grand success, viewed from every standpoint. The attendance of members was fully up to the average, in spite of the extreme cold weather that prevailed; and the quality of the carnations exhibited was better than had been seen at any previous show of the society.

A word or two about the exhibition hall may not be out of place. Strictly speaking, there were two halls connected by a corridor. In one were long, narrow, tables for the staging of exhibits, and in the other, only round tables were used. The side walls had been hung with white cheese cloth and trimmed with Southern smilax, and groups of evergreens in pots and tubs were fittingly arranged in the corners and along the sides; the evergreens coming from the nursery department of C. W. Ward. Chas. Zeller & Son furnished two or three groups of palms that made a splendid setting for the center space in one of the rooms, and a few specimen plants of Nephrolepis Piersoni, from F. R. Pierson, Tarrytown, N. Y., also acted as a foil to the abundance of blossoms.

Henry A. Dreer Co. had an exhibit of Pandanus Sanderi. W. H. Siebrecht, Astoria, L. I., filled a side table with bulbous flowers which received much praise for their general good quality. Thomas Roland, Nahant, Mass., brought on some elegant plants of Begonia Gloire de Lorraine; and the Little South Floral Company, of Natick, Mass., staged some of the finest plants of Cyclamen ever seen here, the size of some of the flowers being truly remarkable. Reed & Keller showed a full line of florists' supplies, including their new extension pot holder. E. Hippard, Youngstown, O., exhibited a section of his new Duplex iron gutter. J. H. Broxey, Dayton, O., had samples of his new carnation support, which he is introducing to the trade. This is a wire support, with rings that can be raised or lowered at will, and the rings can also be made larger or smaller, according to the size of the plant.

Lion & Wertheimer, New York, displayed a full line of florists' ribbons. Thus all the space available for trade exhibits was occupied

The carnations staged by the different exhibitors were superb, and the men who had the judging to do had a difficult task before them. The storm that prevailed caused shipments to arrive late, and matters were thus somewhat delayed; in fact, the flowers of the J. D. Thompson Carnation Company arrived too late for competition, while those of W. N. Rudd came frozen and spoiled.

The Chicago Carnation Company had in their display Harlowarden, Marshall Field, Mrs. Potter Palmer, Mrs. E. A. Nelson, Mrs. Higinbotham and Her Majesty; and all the flowers showed up to good advantage.

L. E. Marquisee, Syracuse, N. Y., brought down Flamingo, a fine new scarlet; Albatross, a pure white, and Sunbird, a yellow variegated variety.

Jerome A. Suydam, of Flatbush, N. Y., had on view a set of seedlings. Among them was a white variety of such size and form that placed it in the front rank; and had it been staged for competition it would surely have been a winner.

A pink seedling from Florham Farms, Madison, N. J., was much admired, and will, perhaps, be heard from later. Fair Harvard, from W. G. Saltford, Poughkeepsie, was on exhibition, as was also the variety President McKinley, from E. T. Grave, Richmond, Ind.

Besides the varieties staged in the seedling classes, Dailledouze Bros. made a splendid exhibit of Lorna, Mrs. G. M. Bradt, Prosperity, Alice Roosevelt, Genevieve Lord, Eldorado, Governor Roosevelt, Mrs. Thomas W. Lawson, Fair Maid, White Mrs. Bradt, Red Mrs. Bradt, Dorothy Whitney, Fragrance, and Harry Fenn.

C. W. Ward had an extensive exhibit which included Mrs. Theodore Roosevelt, Governor Roosevelt, Golden Beauty, Mrs. John A. Thayer (a light pink), Prosperity, Creole Beauty, Flame, Lorna. Ethel Ward, Governor Bliss, Octoroon, Golden Eagle, Judge Hinsdale, Alpine Glow and Mackinac, a fine pure white.

S. J. Goddard, Framingham, Mass., showed a vase of the new white carnation, The Queen, a good three-inch flower, which seems to be a good commercial kind. These were not staged for competition.

Peter Fisher brought on some fine blooms. He showed Enchantress, some measuring three and three-quarter inches; Mrs. M. A. Patten, Nelson Fisher, Governor Wolcott and Boston Market

H. Weber & Son, Oakland, Md., staged one variety, and that only for exhibition purposes. The variety was Governor Lowndes, a white, finely formed flower and borne on good long stems.

Seven varieties competed for the Lawson medal, which shows the keen desire among the experts to win this coveted prize. The varieties were White Mrs. Bradt, Mrs. John Thayer, Flamingo, Enchantress, Mrs. Theodore Roosevelt, Adonis and President Roosevelt.

The flowers from the J. D. Thompson Co., Joliet, Ill., were staged, however, even though the judges could not pass upon them, and some of their bunches were extremely fine. Among them were Estelle E. A. Nelson Enchantress, Mrs. Thos. W. Lawson, etc.

There were several other exhibitors, but as the judges' awards will be found appended, no mention here is necessary.

On the evening given up to the members of the Brooklyn Institute the exhibition hall was filled with a gay and brilliant throng of the city's elite. The show was much enjoyed, and expressions were heard on all sides that such an exhibition should be an annual affair.

The Banquet.

On Friday evening, February 20, the delegates were the guests of the Brooklyn Horticultural Society at a banquet given in the Germania Club, 120 Schermerhorn street. Ex-Lieutenant Governor Timothy L. Woodruff presided, and acted as toastmaster. Following is a list of the toasts and those who responded thereto: "Flowers and Their Relation to Art," Park Commissioner Richard Young; "The Influence of the Carnation and Other Flowers Upon the Ethical Side of Life," Robert Craig, Philadelphia; "Old-Fashioned Flowers," Ex-Park Commissioner Brower, of Brooklyn; "The Humorous Side of a Florist's Life," L. E. Marquisee, Syracuse, N. Y.; "The City Beautiful," President Healy, Brooklyn Institute; "Queen Flora's Treasure House," Wm. Scott, of Buffalo; "Floriculture as a Profession," A. Herrington, President Chrysanthemum Society of America; "The Advantages of Horticultural Organization," by Frank B. Lown, of Poughkeepsie, N. Y.; "The Carnation's Conquest of the West," Fred. Lemon, of Richmond, Ind.

Some of Those in Attendance.

Many outside visitors were in the city to see the exhibition. David Rust, A. B. Cartledge and S. Pennock, Philadelphia; Mr. Pettigrew, from Boston, and hosts of others. A full list of members who registered is as follows:

Albert M. Herr, Lancaster, Pa.; Fred. Dorner, Lafayette, Ind.; W. N. Rudd, Chicago, Ill.; Geo. W. Goldner, West Hoboken, N. J.; E. J. Johnstone, Providence, R. I.; F. A. Blake, Rochdale, Mass.; T. J. Johnstone, Providence, R. I.; S. J. Goddard, Framingham, Mass.; John Barr, South Natick, Mass.; Wm. Swayne, Kennett Square, Pa.; Geo. S. Gibson, Hartford, Conn.; O. R. Morgan, Glastonburg, Conn.; W. R. Shelmire, Philadelphia, Pa.; S. J. Reuter,. Westerly, R. I.; S. S. Skidelsky, Philadelphia, Pa.; Wm. Spillsbury, Woburn, Mass.; A. E. Batley, Maynard, Mass.; Geo. A. Rackham, Detroit, Mich.; Peter Fisher, Ellis, Mass.; J. B. Swayne, Kennett Square, Pa.; Gust H. Taepke, Detroit, Mich.; Martin Reukauf, Philadelphia, Pa.; E. Hippard, Youngstown, Ohio; O. N. Naumsaun, Cleveland, Ohio; Elisha Pierce, Waltham, Mass.; Anton Then, Chicago, Ill.; F. Felke, Milwaukee, Wis.; R. W. Wynings, Stafford Springs, Conn.; P. Change, Worcester, Mass.; W. J. Stewart, Boston, Mass.; W. A. Rowlands, Utica, N. Y.; Wallace R. Pierson, Cromwell, Conn.; L. D. Bryant, North Cambridge, Mass.; G. L. Grant, Chicago, Ill.; F. H. Mitchell, Waterville, Me.; Walter Mott, Jamestown, N. J.; C. T. Guenther, Hamburg, N. Y.; E. L. Kronin, Jr., Allentown, Pa.; T. P. Langhans, Pittsburg, Pa.; Herman Baartman, Sassenheim, Holland; Daniel Hipps, Boston, Mass.; Chas. T. Darling, Stonybrook, N. Y.; W. K. Partridge, Cincinnati, Ohio; W. P. Craig, Philadelphia, Pa.; J. L. Dillon, Bloomsburg, Pa.; A. H. Funnell, Huntingdon, N. Y.; John Walker, Youngstown, Ohio; Fred. Burki, Bellevue, Pa.; John L. Wyland, DeHaven, Pa.; Geo. E. Buxton, Nashua, N. H.; John Murchie, Sharon, Pa.; Ed. H. Murchie, Sharon, Pa.; Wm. F. Kasting, Buffalo, N. Y.; W. O. Sullivan, Detroit, Mich.; John G. Esler, Saddle River, N. J.; A. Herrington, Madison, N. J.; Wm. Duckham, Madison, N. J.; Chas. E. Neale, Worcester, Mass.; Wm. Nicholson, Framingham, Mass.; R. Witterstætter, Cincinnati, Ohio; H. Mitchell, Philadelphia, Pa.; Geo. Smith, Manchester, Vt.; W. H. Vance, Wilmington, Del.; Chas. P. Dudley, Parkersburg, W. Va.; M. A. Patten, Tewkesbury, Mass.; E. J. Taylor, Southport, Conn.; Carl Hagenburger, Mentor, Ohio; Richard Vincent, Jr., Baltimore, Md.; W. J. Palmer, Buffalo, N. Y.; Wm. Gammage, London, Ont.; J. H. Dunlop, Toronto, Ont.; Edward Dale, Brampton, Ont.; John E. Haines, Bethlehem, Pa.; Robt. W. King, Toronto, Ont.; Samuel Symes, Norwalk, Conn.; H. F. Littlefield, Worcester, Mass.; F. X. Millman, Cumberland, Md.; J. Fuller, Fitchburg, Mass.; J. R. Fotheringham, Tarrytown, N. Y.; L. E. Small, Tewkesbury, Mass.; John B. Rudy, Elmira, N. Y.; Theo. E. Edwards, Bridgeton, N. J.; Geo. H. Traendly, Rowayton, Conn.; B. N. Keptein, Sassenheim, Holland; Jas. S. Wilson, Western Springs, Ill.; John Merkel, Mentor, Ohio; W. F. Larch, Carrick, Pa.; Ed. H. Blind, Westview, Pa.; Walter Hintsel, Westview, Pa.; Guy Baty, East Cleveland, Ohio; Phillip J. Foley, Chicago, Ill.; W. A. Pierce, Westchester, N. Y.; J. M. Palmer, Kennett Square, Pa.; E. C. Marshall, Kennett Square, Pa.; H. P. Rohrer, Lancaster, Pa.; Vernon D. Grave, Richmond, Ind.; William Sim, Cliftondale, Mass.; L. E. Wood, Fishkill, N. Y.; J. D. Cockcroft, Northport, N. Y.; A. O. Grasse, Syracuse, N. Y.; Geo. R. Geiger, Nazareth, Pa.; Phillip B. Welch, Baltimore, Md.; John J. Perry, Baltimore, Md.; J. O. Bauer, Baltimore, Md.; E. S. Beard, Detroit, Mich.; F. E. Dorner, Jr., Lafayette, Ind.; Theo. A. Dorner, Lafayette, Ind.; E. C. Ludwig, Pittsburg, Pa.; Wm. Lehr, Baltimore, Md.; Chas. E. Dickinson, Dorchester, Mass.; H. A. Cook, Shrewsbury, Mass.; Louis J. Reuter, Westerly, R. I.

Eighteen ladies who were among the visitors present, were tendered a dinner Friday evening, followed by a theatre party at the Columbia Theatre.

President-Elect George A. Rackham.

George A. Rackman, of Detroit, Mich., the newly elected president of the American Carnation Society, was born in Cleveland, O., in 1851, and removed to Detroit in 1879. He received his education in the schools of Mt. Clemens, Mich., and for some time taught school in a rural district near his home. In early life he worked as a lumberman, but having been blessed with an innate love of flowers and plants, he subsequently turned his attention to their cultivation in a commercial way, starting in business as a florist some thirteen years ago.

The carnation has been an object of Mr. Rackham's especial care during the whole of his career in the business. Like other progressive specialists in this line, he saw the advantage of affiliating with the American Carnation Society, which body he joined at the Cincinnati meeting in 1897; and he has been a regular attendant at the annual gatherings of the society ever since.

Mr. Rackham has worked hard to get the A. C. S. to visit Detroit and his efforts have now culminated in success. He was the prime mover in securing the S. A. F. (of which he is also a member) for his home city, and the exceedingly enjoyable manner in which the delegates were entertained and the success of that convention generally were largely owing to Mr. Rackham's individual efforts.

GEORGE A. RACKHAM, OF DETROIT,
President-Elect American Carnation Society.

An energetic worker, an enthusiast in whatever he sets out to do, a most obliging and modest man, the affairs of the American Carnation Society are safe in his hands, and under his able direction the status and influence of the society will be well maintained.

Mr. Rackham is held in high esteem by his local associates, who having the utmost confidence in his executive ability and appreciating his many other good qualities, elected him to the presidency of the Detroit Florists' Club, which position he has filled with much acceptance and benefit to that body. He is a Knight Templar and a member of other fraternal societies.

Vice-President Elect James Hartshorne.

James Hartshorne was born in Shropshire, England, April 8, 1868. Coming to the United States in 1888, he first located at the "Hub," shortly after becoming second foreman in the gardens of the late Charles Burley, Esq., of Exeter, N. H.

The horticultural development of the World's Fair led him to strike out for Chicago in 1892, with the thought of finding employment in that section. Instead of taking part in this, however, Mr. John C. Ure, then having considerable to do with exposition matters, more particularly those connected with the Illinois and other State buildings and grounds, engaged Mr. Hartshorne to run his greenhouses out at Argyle Park. Modest, as times go now, as was that establishment then, it was here the young man first made his mark and began to show the metal that was in him.

Old-fashioned low span roof houses, each heated by a separate boiler, with the assistance of the old style brick flue, was hardly an up-to-date institution to say the least, by means of which to make one's mark as a carnation grower; but he did, and that quickly, both in the public market and at the Chicago Fall shows; in 1896, for example, carrying of some twenty premiums for carnations.

The turning point in Mr. Hartshorne's life seems to have come in 1897, when we hear of him as being engaged by H. N. Higinbotham, Esq., of Chicago, as gardener, both at his city residence and his delightful country home at Joliet, Ill. The next step, in the following year, was the formation of the now famed Chicago Carnation Co., of Joliet, with Mr. Hartshorne as manager. Here, at Joliet, is without doubt, one of the most perfect plants, each devoted exclusively to the divine flower, that this section can show, if not unique in the whole country. Although the company was not started until the Spring of 1898, yet through the early purchase of stock, which was planted in the open ground to fill the houses yet to be built, the very first Winter (1898-1899) the place became noted for fancy flowers, which easily found a market with profit satisfactory to the company.

JAMES HARTSHORNE,
Vice-President-Elect A. C .S.

To further demonstrate the energy in the man, he is now planting ten acres of pæonias, in some 300 varieties, gathered from all over the world; some of them at very high prices, the rarest and choicest that could be obtained. As the object of the new company is the sale of cut flowers as well as plants, it follows that a large percentage of the varieties are naturally those known to be best adapted for cut flower use.

Like all progressive men, Mr. Hartshorne believes in association among his compeers; he early joined the Chicago Florists' Club, taking active part in its debates, and has been its president. He is also a member of the Chicago American Florists, the American Chrysanthemum Society, the American Carnation Society, and the American Association of Nurserymen. He is also a Master Mason.

Beautification of Waste Places.

Address Delivered at the Annual Meeting of the State Horticultural Association, Harrisburg, Pa., by S. Mendelson Meehan, Editor of Floral Life and Vice-President of Thomas Meehan & Sons, Inc., Germantown, Philadelphia, Pa.

It is my intention to at once dispel any impression you may have that I am going into the mysteries of landscape gardening, to name a lot of rules you should follow, and give other specific advice; or that I intend naming lists of desirable plants, describing their merits. Such things are details that should be worked out to fit the individual needs. But rather I wish to reveal some common opportunities by which we may brighten our lives through the medium of Dame Nature and as students of ornamental plant life.

There is no question but that all country and suburban places have their waste places, waste because they have either had all the beauty crowded out of them or have been utterly neglected.

A dwelling place should be made a home in every sense of the word. The grounds immediately surrounding the house, and beyond, should be made attractive and lovely to those who live right on the spot; but then we must think of others, too. We want to please our visitors, friends and neighbors, and, in fact, everyone that passes by. It is rightly a matter for personal pride that our surroundings be made to speak our appreciation for the beauties of Nature. Therefore, we shall be careful to view whatever plans we may make from two points.

Have you ever stopped to consider how badly proportioned our average country places are, having in mind those where farming, fruit growing or similar rural work is carried on? Fortunate indeed is the 50 or 100-acre place that has half an acre of home grounds about the house. Even there the chickens and other animals are frequently allowed to hold possession, to the destruction of any pretty gardening plans.

In comparison with the owner of city property, what a much better opportunity has the countryman and fruit grower, with an abundance of low-priced land, to have a beautiful garden home at a little expense, and accompanied with greater personal interest.

But few country homes exist where from one to five acres could not be set aside for lawn and flower gardens. "It would not pay," I hear someone say. Perhaps the balance in dollars and cents would be a little less, but is the pleasure and comfort to count for nothing? If the financial results are to be considered above everything else, and the loss of that much ground is serious, then the owner must be working the remainder of his property on very close margins, and his methods need investigating.

A good expanse of lawn may be considered one of the chief aims, because when that is set apart, it offers many opportunities for development in detail and striking effects. Above all, set out with the determination that it is to be a good lawn of good grass. To be half-hearted in home-making is to create waste places, and those we have no use for.

Decide to have, if possible, a flower garden—not simply flower beds and borders around the grounds, but something of an enclosure into which one may pass, and feel that he is in a different atmosphere; where flowers are on every side inviting admiration and interest. I know of no phase of gardening that is more delightful, invigorating and care-destroying than that which relates to hardy flowers.

A carefully selected assortment gives a profusion of flowers all the year, from the very earliest Spring days, when some will open their adventurous blossoms almost from out the snow, to the time when some will defy the lighter frosts of Autumn.

A rose garden, which may be made a section of a general flower garden, is much more pleasing than where the roses are simply scattered here and there. They are not fitted for promiscuous planting, and always respond better to definite treatment.

If a fine lawn offers opportunities for detailed development, equally so does the flower garden. There may be bowers, turf walks and rustic seats; trellises, vine-covered archways, and what not. Utility need not be dismissed entirely, for some of the handsomest flower gardens are merely generous borders to vegetable patches. Or where the owner is concerned in marketing, cut flowers offer opportunities for quite a neat recompense for labor and expenditures.

Would not this idea also add to the various proffered solutions of the farm question, How shall we keep the boys on the farm?

Having determined to beautify our home grounds, to have fine lawns well planted, a flower garden and handsome shade and ornamental trees, what is the best course to pursue in securing them.

Right here let me say that unless the ideas are well thought out and right plans laid, it would be most unsatisfactory to do anything unusual. To plant grounds for ornamental effect and permanency requires just as much and more care and intelligent judgment as to plan out a large fruit orchard or piece of farm land. A good knowledge of plants and their characters must be had. The effect they will produce in position both at the start and in the future must be recognized.

The smallest place should have a plan made for it, put roughly on paper, or kept well in the head if not intricate; the former method is much the more satisfactory. Make this plan as complete as possible. Allow for every little embellishment, though the minor details may be subject to change when the work is taken up.

The economy of a plan is in its perfection. Mistakes are not so likely to occur, and everything is located in harmony. Above all, such a plan can be carried out one part at a time without danger of having something interfere with some idea that might otherwise have presented itself at a future time. The lawn could be started the first year, and a few trees planted as desired about the house and at the driveway entrance, with perhaps sufficient properly grouped in intermediate positions to relieve any bareness that might exist. The next season shrubbery borders and groups might be planted with additional trees on the lawn for ornamental purposes. The flower garden need not follow till later. Meanwhile, the pleasure accompanying development would be going on with always some little thing to look forward to.

If you have the time to study all these things out properly it will be a source of satisfaction and pleasure, and you have but to show the completed scheme to some one competent to criticise it; if you have not that time, it will be to your profit to spend a few dollars on expert advice.

Plant trees and shrubs that have permanent value and not too ordinary. Avoid the cheap, quick-growing trees which are invariably less satisfactory in the end and are short-lived. I will only name the oaks as being especially worthy trees, and ones that will never bring regret. A few really rare plants will increase the interest in your place wonderfully. Such beautiful things as the yellow wood, gingko, sophora and Japanese varnish tree are not difficult to obtain, yet they are not common.

This paper has dealt with waste places in a rather broad sense. There are many little places that would seem to come more strictly under that heading that I have not mentioned. There may be an old stump of a tree which would be beautified if a vine were allowed to clamber over it. An unusual piece of swampy ground could be made beautiful by planting in it some flags and Japanese iris, mallows, lythrum, coreopsis, and even many swamp-loving shrubs like the common elderberry, white fringe and swamp magnolia.

The walls of your house would likely be very much improved by a clinging vine. The fence along the front of your property could have a few vines placed at some of the posts. Many similar places will suggest themselves to you when you give the matter thought, and it is unnecessary for me to attempt further detail. My greatest fear is that we men of business allow waste places to locate in our minds. We think of utility; what we can plant here for profit and there for profit. Everything must pay in dollars and cents. These waste places I hope my hearers will plant up at once with thoughts of the beauties of nature. All else that I have suggested will then be carried out in natural course.

Tulip White Hawk or Albion.

We are indebted to Messrs Van Zanten Brothers, of Hillegom, Holland, for the illustration of this tulip herewith reproduced. The same firm also sends us the following descriptive notes: White Hawk, or Albion, is undoubtedly the best white tulip introduced to the trade. It is very early, and an easy forcer, bearing its large snow-white flowers on long, stiff stems far above the leaves. The flowers are of great substance, and after the plant comes into bloom they grow in size and beauty every day, and will stand any amount of handling in transit. The hanging form, as shown in the photograph, is not natural; but was done only to bring the size and shape of the flowers into good light. This tulip is of the highest value for forcing and bedding. It was previously introduced to the trade in a small way on account of being obtainable in very limited quantities; but as stock of it is plentiful now, we predict it soon will be one of the leading varieties.

TULIP WHITE HAWK, OR ALBION.

Review of the Market

NEW YORK.—The severe wintry weather that has been experienced this week has tended to lessen materially the demand for cut flowers, and with the exception of special grades of Bridesmaid roses we can safely say there is a plentiful supply of everything in the cut flower line.

Bride and American Beauty roses are not moving quick enough to suit the dealers; and the best grades of the latter mentioned variety are selling at anywhere from 35c. to 50c. each, when fresh. If held over a day or two, as happens quite often, the blooms are sold at 15c. or 20c. each, all of which helps to pull down the average in a marked degree. The best of the Bride are held at about $12.00 per 100, while the Bridesmaid will reach as high as $15.00 if the quality is there.

Owing to the severe weather violets are in a very poor way, so far as selling out goes. There are plenty of them arriving daily, but as the outdoor business is cut off by the cold, it is only a limited quantity that can be disposed of, and prices are anything but satisfactory.

Lilies are not meeting with the demand they did, and numbers are beginning to accumulate, tending to weaken the price somewhat.

The call for carnations is about sufficient to use up the supply, with no change in prices. Tulips are very plentiful, but the various kinds of narcissus are more so. There has been a general break in the values of the latter, as the buyers' taste do not seem to favor yellow just now. Von Sion hang fire at $2.00 per 100, but Golden Spur do better; the best of them bring as high as $4.00 per 100.

The demand for lily of the valley continues poor through some cause or other. There is a good call for pansies, where they can be had with reasonably long stems on.

If this cold weather keeps up any length of time we shall no doubt see a shortening up in the supply of flowers all round.

ST. PAUL.—The trend of trade has been upward the past two weeks, and if flowers were more plentiful so that critical buyers could obtain just what they want at all times, business would be considered extra fine.

The near approach of Lent may have had an effect on trade, as some society people still observe the fast period. But the deaths of a large number of well known old settlers have created a very good demand for funeral flowers and stimulated business more than anything else. The return of the sun after an almost total absence of three months has increased the supply somewhat, but good roses are still very scarce, while American Beauty are only seen occasionally.

Carnations are more plentiful, but prices remain firm, and good blooms are all sold out daily. Bulbous stock is quite plentiful, and on account of the shortage of other flowers sells very readily. The bulb forcers have struck it right for once, and will make good money on their investment. Violets are scarce and but very few good ones are being picked. The dark weather seems to have killed them all in one way or another.

The coal situation remains unchanged, but every one wears happier facial expression as Spring draws near. We hear of no freeze ups on account of coal shortage, such as we read in the Florists' Exchange as occurring elsewhere.

VERITAS.

INDIANAPOLIS, IND.—St. Valentine's Day, as is Thanksgiving, seems to be gaining in prominence as a flower day each year. Business was decidedly quiet up to Friday, at which time it assumed a brighter aspect. By Saturday noon, it was almost equal to a "little Easter." A great many small sales were made which ranged from 50c. to $2.00. Many of the retail stores were laden with blooming plants, but these were not so popular as were small bows of flowers. Valentine's Day was certainly a good one for violets, as never before were so many sold on that day; 50c. per bunch of twenty-five was the customary price, and there was no trouble in disposing of a large quantity of them. Lily of the valley and other small flowers, such as freesias, sold extremely well. The demand for roses has been steady. The call for good American Beauty and Liberty, though, is not so very encouraging.

Carnations, as usual, constitute the backbone of the retail trade, the local market cutting everything as close as possible. Good carnations are selling at 2½c. to 3½c.; fancies at 4c. Not much trouble is experienced in disposing of them at 75c. to $1.00 per dozen.

Quite a lot of funeral work has helped to use up the bulbous stock, which is being cut in quantities.

Callas are numerous in this vicinity. They find ready sale at $1.00 per dozen, wholesale.

The Tomlinson market florists have experienced a prosperous week, most of them disposing of their stock at favorable prices.

I. B.

LOUISVILLE, KY.—The past week has again been a satisfactory one in a business way, added to by St. Valentine's Day. Each year this day becomes of greater importance to the local florists, and those of a progressive nature prepare for it. There was again an increased demand for cut flowers and blooming plants. Violets, lily of the valley, carnations, and such bulbous Spring flowers as are now in the market were mostly asked for. Roses were not in much demand. Plants, such as azaleas, primroses, spiræas, lily of the valley, tulips, and jonquils, in pots and pans, sold readily, especially such as could be disposed of at from 25c. to $1.00 each. A few Valentine boxes and pans were planted—enough to show how nice they can be made to look, which will insure a greater demand next year. The leading retailers all had nice window displays which attracted much attention.

Retail prices realized were: Roses, $1.50 to $2.50; American Beauty, $3.00 to $6.00; carnations, 50c. to $1.00; lily of the valley, 75c. to $1.00; jonquils, 50c. to $1.00 per dozen; violets, $1.00 to $2.00 per 100; narcissus and Roman hyacinths, 50c.; tulips, 75c. to $1.00; Harrisii lilies, $3.00 to $4.00; callas, $2.00 to $3.00 per dozen. There was enough of everything but tulips and Harrisii lilies to supply the demand.

A. R. B.

PITTSBURG.—There is no complaint about slow trade, but the high prices prevailing for good stock, especially roses, causes the retail florist to think that the grower has by far the best of it. Prices have never held up so well as this year, and if stock is as scarce during Lent it will be a good thing for the grower. Carnations and roses are in good form. Bulbous stock is abundant, but sells well. Tulips are showing up better, and yellow narcissus, although high priced, are in good demand.

E. C. R.

GRAND RAPIDS.—In roses and carnations a famine exists; no attempt has been made for some time to fill shipping orders in full. Orders, not from regular customers, are cut out wholly. It is to be hoped we will soon yet better growing weather, if not, we are in for the greatest flower famine at Easter we ever saw.

Roses bring $1.00 to $1.50 per dozen; American Beauty, $2.00 to $6.00 per dozen; carnations, 50c., 75c. and $1.00; bulbous stock, such as lily of the valley., Paper White, narcissus, tulip and daffodils, bring 50c. to 75c.; lilies, $2.00 per dozen; violets, 15c. for single, 20c. to 25c. for double. The scarcity of flowers affects the entire West, particularly the Chicago market, where the past week callas were substituted by the hundreds for roses, tulips for carnations, etc.

Anything, so long as it was a flower, had to go. Even violets, usually so plentiful at this season, were sold out clean.

G. F. C.

CHICAGO.—Since last report the market has had a tendency toward a break during the middle of the past week, with a slowly lowering of prices of most all grades of stock. The last two or three days values again stiffened, probably on account of St. Valentine's Day. Outside buying has also been brisk. Carnations are on the increase, but the price seems to be maintained, although some sales are reported at rather low figures. For inferior stock the average value is a great deal higher than a year ago, at present being from $1.00 to $4.00 per 100, with Prosperity at from $6.00 to $8.00 per 100 and Harlowarden at $6.00 per 100. Violets are still a hard article to clean up at a fair price; a few thousands are sold at a good figure, and the rest go begging for a buyer at from 60c to $1.50 per 100. Bulbous stock is still on the increase, with prices well maintained, due no doubt to the scarcity of other white flowers. R. J.

CINCINNATI, O.—Business still remains good and stock scarce. The best roses still sell at 8c., 10c., and 12c; best American Beauty at $6.00 per dozen; lily of the valley, 4c. to 5c; violets, 35c. to $1.00 per 100; carnations, $2.00, $3.00 and $4.00 per 100, with not half enough to go around. Narcissus and Roman hyacinths bring $3.00 per 100 and are selling well; Harrisii lilies, $2.00 per dozen; callas, $1.50. Cyclamen flowers sell at $1.00 to $2.00 per 100; smilax $12.00 to $15.00 per 100; asparagus, 50c. per string. All green goods are selling well. Ferns now bring 20c. per 100; $1.75 per 1,000. Never before have I seen flowers so scarce and the demand so active.

E. G. GILLETT.

DENVER.—Business was very good throughout the week, but with a temperature hovering down around the zero mark nearly all the time delivery of goods was hard and in a few cases stock was frozen. Roses and carnations are available only in lots equal to about the demand, while bulbous flowers are in good supply, but are being well used up, mostly in table work. Trade for St. Valentine's Day was exceptionally good. The weather was against it, and perhaps hurt the sales on violets a little, but, notwithstanding that, they went well. Carnations also enjoyed a good run, and were early cleared out. Flowering plants, too, went very well, azaleas selling best.

S.

PROVIDENCE, R. I.—This week has brought us a heavy snowstorm which affected the store trade. Last week, including St. Valentine's Day, was a continuous run of bright, Spring-like day, with an increased cut and a good demand for everything, especially violets, of which there were many thousands sold. They brought 35c. to 75c. per hundred, wholesale. Roses are now in full supply at 3c. to 10c. Carnations hold their own at 2c. and 3c. Tulips, daffodils and hyacinths bring 3c. Paper White narcissus are scarce.

Azaleas and bulbous plants in pans are ready, but find a light sale.

C. G. M.

Detroit, Mich.

Mrs. Elizabeth Hogg, of 358 Van Dyke avenue, died February 10, 1903, at the age of 83. She was the widow of the late James Hogg, with whom she came from Scotland in 1847. They formerly kept a florist's establishment where Mt. Elliott cemetery now stands. Mrs. Hogg is survived by three sons, David and Christopher, of Detroit, and James, of Chicago.

SOUTH BETHLEHEM, PA.—The dwelling house of Thomas Love, gardener to G. B. Linderman, Esq., was burned down on Monday, February 9, and all of his household effects destroyed. The rose house, located within five feet of the burned building, was unharmed, only one pane of glass being broken. The South Bethlehem firemen did good work, but it was of no avail. The thermometer was down to 20 degrees.

HILLSDALE, MICH.—Carl Hirsch is preparing to erect five new greenhouses for carnation growing.

Canadian News

Hamilton, Ont.

News of the Week.

The coal famine has not yet altogether relaxed its grasp; hard coal is reasonably plentiful at $8.00 per ton, but soft coal is scarce. The dealers claim that no screenings have arrived in the city for three weeks, so that those who depend on that fuel have had to burn something else.

Retail business has been brisk for the past week. Ed. Walker finds that his new store gives him more room and better facilities for display. Miss Townsend reports business good; all kinds of cut stock being in demand. Roses are still very scarce and unusually poor. Bulbous stock is finding better sale this season than for many years, practically everything grown moves at a fair price.

On the night of the 17th temperatures from 6 to 10 below zero were recorded by different growers, and a very high wind prevailed during part of the night. It would have been a good test on the heating apparatus at an ordinary time when lots of good fuel was on hand, but as it was, there is almost sure to have been some damage by frost, although I have not heard of any so far.

George Slocomb has taken Charles Mason's place. He has burned wood the most of the Winter, and he is getting a nice general stock in shape for the Spring.

George Norwood, Locke street, S., is doing very well at his new stand. He has grown one house of lettuce this Winter, and it has no doubt been his best paying crop, as most of the vegetable gardeners closed down for lack of fuel.

Harry Marshall is growing the plants for the City Parks and he is in consequence, kept pretty busy this Winter.

Club Meeting.

The regular meeting of the Gardeners' and Florists' Club was held on the 17th inst. President Turner was in the chair and a fair number of members were present. The extreme cold weather and the fact that the trolley cars were not running for the greater part of the evening, owing to lack of power, frustrated the efforts of the club to secure a full attendance of the growers and retailers to arrange more satisfactory prices. After the business was completed the members engaged in quiet games. Albert Kirk gave a couple of recitations. A musical trio was also heard from, but as they promised to do better next time, it will be as well to withhold meantime the opinion of the audience. BEAVER.

THE MARKET

LONDON, ONT.—The weather has been mild but dull and cloudy. Its only advantage is the saving in fuel. This to most of the growers is an item that would have been a secondary consideration other seasons, providing they had bright weather. There is a good demand for all kinds of stock, with a decided shortage in roses and carnations. Bulbous flowers are coming in more plentifully and meeting with ready sale. Funeral orders keep the supply of white stock at a premium.

The London Horticultural Society sent two representatives to the organization meeting of the Civic Improvement League in Toronto on February 13. G.

OTTAWA.—Little sun and more snow is the weather condition. Trade is very good. Von Sion narcissus seem to be in fashion and they are extra-good blooms this year. The demand for tulips has also been very good, but, unfortunately, some growers will cut the price, selling at 50c. per dozen. Roses are still very scarce, and to make matters worse much of the imported stock is poor in quality but rich in price. Carnations are yielding well, but still not enough. In price, Mrs. Lawson leads, as it also does in crop, bringing $1.00. Other good varieties realize 75c., although some very foolishly sell them at 50c., and 75c. for Mrs. Lawson.

Violets are in fair supply, but the demand is not up to that of former years; they are retailing at $1.00 to $1.50. Scrim is cutting some fair sweet peas which go readily at 20c. a dozen.

The plant trade continues fair; good cyclamen, Primula obconica, and azalea selling well. The Easter lilies show a tendency to be on the early side. The variety in appearance of these is great. Longiflorum are a mongrel lot; some good and many of no use; others diseased.

The fuel question remains the same as it was. We are still burning wood at $5.50 a cord, with sawdust at $1.50 a load. The city is trying to make it interesting by talking of bringing action against the coal dealers for conspiracy to keep up the price, which is now $9.00. Little coal is to be had. E.

TORONTO, CAN.—Business continues very good, with roses scarce. Although they are coming in now freely and of better quality there is not as yet enough to go around. Carnations are both good and fairly plentiful, and bulbous stock is very abundant. Violets are good and plentiful; the best quality are still bringing good prices. St. Valentine's Day called for a large quantity of flowers, especially violets and lily of the valley. Dunlop had in his window a large heart of bronze galax leaves, with a bar of lily of the valley across it and in one corner a very large bunch of fine violets. It was a fine business breeder; and before 3 p. m. he was selling the stock out of the windows. Tidy had a fine bunch of orchids and he also did rushing business. St. Lawrence market was likewise lively on Saturday, but prices generally were away down. The department stores have cut the palm trade very fine. The last item is kentias at 8c each. T. M.

Philadelphia.

A Snow Storm.

This city, like many others, has been in the grip of the storm king the past week. The rainstorm that came on Sunday turned to sleet and then snow, until by Tuesday morning eight inches of snow were on the level. Tuesday night the thermometer went down to 6 below zero, then up to 22 degrees during Wednesday, and down to 1 below that night. Thursday was the coldest day of the Winter; the thermometer kept below 10 degrees all morning, and several boxes of flowers that arrived were frozen. Up to time of writing no damage has been heard of from the growers.

A Wedding.

The chief event of the week was the wedding of Robert Craig's eldest daughter, Edna Mayne, to David Lank, which took place on Tuesday. Over 700 invitations were sent out. The bride received a large number of very costly presents: silver and cut glass predominated. But there was also a quantity of what one might term level-headed presents—things useful for the home. The reception at night was a brilliant affair, and in spite of zero weather was well attended. The porch around the house was enclosed and heated; the packing shed was transformed into a regular banquet hall, and the pleasant time was kept up into the early hours.

Jottings.

Leo Niessen is still on the march of progress. His present wholesale quarters have long since proven inadequate, and he has now rented a large store on Arch street, below Thirteenth. The rear entrance will be close to the Flower Market.

The meeting of the Pennsylvania Horticultural Society on Tuesday last was well attended for such a bad night. Papers were read by John Thatcher on "Ornamental Foliage Plants," and Joseph Hurley on the "Planting of Evergreens and Their Care After Planting."

DAVID RUST.

New York.

News of the Week.

The weather on Monday evening was very much on the blizzard order and it grew worse as the night advanced. By Tuesday morning we had several inches of snow on the ground, with a fierce wind blowing continuously, and the local express that brings in the roses from Madison each morning was several hours late. There have been just such delays before, however, when the flowers traveled over the railroad route, so that the small inconvenience resulting from the flowers arriving late was not a new feature by any means. On Wednesday morning the temperature got down to within a few degrees of zero, and there was an occasional shipment that reached the city in a frozen state.

Ash Wednesday occurs during the coming week, and the Lenten season is close upon us. This might be a dull Lent; and then, again, it might not. For several years previous to the last it could not be said that business suffered much during the Lenten period. For a week or two last year, however, there were very quiet times in the flower business on account of the religious observance, but whether or not a similar condition will occur this year remains to be seen.

Chas. Koch, wholesale grower, Clarkson street, Brooklyn, will enter the ranks of the retail florists. He has taken the store in Flatbush avenue recently operated by John V. Phillips. Mr. Koch is quite an extensive grower, and by running a retail store in connection with his greenhouses, he will thus be able to dispose of his products direct to the consumer.

The Brooklyn Horticultural Society met on Monday evening, and although the night was about the worst of the season (a real blizzard raging) there was an attendance of over thirty members. The various committees had perfected all their arrangements, and the culmination of the Society's efforts will be found in another column, which tells of the entertainment and doings of the American Carnation Society in Brooklyn.

The first annual meeting of the Brooklyn Horticultural Society is called for Wednesday, March 4, in the Germania Club, 120 Schermerhorn street.

Herman C. Baartmann, bulb grower, Sassenheim, Holland, is in the city looking up his customers, and will leave in a few days for a Western trip.

The plant auction sales will commence the first week in March. With the dilapidated condition in which the Clinton market remains, we expect to see a very busy season in the auction rooms, as many growers will, and rightly so, refrain from exposing their plants for sale in that tumbledown structure called Clinton market.

Vaughan's Seed Store reports an unusually heavy demand for flower seeds, and the best qualities are the most sought for.

Wm. Elliott & Sons are extremely busy in the seed department at this time, and a heavy Spring trade is looked for.

Alex. Guttmann, wholesale florist, 52 West 29th street, has leased the entire building in which his store is located, and will occupy one of the upper floors as a residence.

J. P. Donohue, a son of Fred. Donohue, of Babylon, L. I., was run over by a train at Woodhaven Junction on Saturday last, and received injuries from which he died a few hours later. The young man was about 21 years of age, and was employed by the Long Island Railroad as a claim agent. He leaves a widow and two small children.

Frank H. Traendly was distributing cigars on Wednesday in honor of the advent of a lusty son, who arrived at the Traendly household on Tuesday forenoon. Mother and baby are doing well.

W. F. Kasting, of Buffalo, N. Y., arrived in the city last Sunday and stayed over to attend the American Carnation Society's convention.

The advance premium list of the Indiana Floral Festival and Chrysanthemum Show has been issued. Copies can be secured from Irwin Bertermann, Indianapolis.

HOT BED SASH A Specialty
JOBBER IN
Greenhouse Glass, Oxford Putty, Florist Stakes, Etc.
V. E. REICH, 1429-31 Metropolitan Ave., Queens Borough, N. Y. City.

The Jennings Improved Iron Gutter
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
SEND FOR CIRCULARS.
DILLER, CASKEY & CO., Successors to JENNINGS BROS.,
S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

Canna Burbank
Large, dormant pieces, 2 to 3 eyes, $1.50 per 100; $10.00 per 1000.
HOLLY FERNS, 2¼ inch pots......$4 00 per 100
KENTIAS, 3 inch 15 00 "
PHOENIX RECLINATA, 5 inch 15 00 "
ASPARAGUS PLUMOSUS, 2½ in. 6.00 "
Webster Bros., Plantsmen. Hamilton, Canada

CARNATIONS
Rooted Cuttings.

	Per 100
Enchantress, pink, the finest yet produced	$12 00
Success, pink, one of the best of this year's introductions	8 00
Adonis, finest scarlet to date	14 00
Murphy's White, finest commercial white	6 00
Governor Lowndes, extra fine commercial white	12 00
Lillian Pond, fine form and very large	10 00
President McKinley, dark pink	12 00
Nelson, pink, one of the best we have	6 00
Stella, light variegated (the best)	6 00
Benn, crimson, fine fancy	6 00
Appolo, scarlet, very fine free-flowering variety	6 00
Golden Beauty, fancy yellow	6 00
Dorothy Whitney, yellow, best commercial	6 00
Alba, white, very large	6 00
Mrs. Potter Palmer, scarlet	4 00
Estelle, scarlet, one of the best	4 00
Mrs. T. W. Lawson, pink, the money maker	3 00
The Marquis, light pink, the best we grow	2 00
Mrs. Higinbotham, light pink	3 00
Mermaid, light pink, fine flowers,	2 00
Mrs. F. Joost pink, good standard variety	1 50
Wm. Scott, the old standby	1 50
Morning Glory, light pink, the best of its color	3 00
G. H. Crane scarlet	2 00
Roosevelt, crimson, the best of its color	2 50
Gen. Maceo, crimson, very free	2 00
Prosperity, largest and best variegated variety	3 00
Mrs. Bradt, light variegated	3 00
Lorna, white, large, fine flower, long stem	3 00
Glacier, pure white, one of our best	2 50
Mary Wood, white, very free; can recommend it	2 50
Queen Louise, white, continuous bloomer	3 00
Peru white, has been very free this season	2 00
Flora Hill, the old well-known white variety	2 00
White Cloud, white, good variety,	1 50
Bon Homme Richard, white, long stem	2 00

Complete Descriptive List Ready Now.
SEND FOR IT.
J. GAMMAGE & SONS, London, Ont.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

YOUNG man would like to get position to learn the florists' trade; age 21. Address H. H., care Florists' Exchange.

SITUATION wanted by man with practical experience in pot plants and cut flowers. Nationality, Swede; age 25. Please state wages. H. C., care Florists' Exchange.

SITUATION wanted, by young man, 19, on commercial place. Three years' experience; roses, carnation and general stock. Address R., care Shirrow, 214 West 69th St., New York.

SITUATION wanted as working foreman or manager for cut flower and general stock. German, 42 years of age; life experience; references. Address H. K., care Florists' Exchange.

POSITION wanted, as working foreman, large experience in cut flower and general stock. Industrious; not afraid of work. Best of references. Address H. I., care Florists' Exchange.

SITUATION WANTED BY HOT-HOUSE GRAPE GROWER. HAVE GROWN FOR THE LARGEST EUROPEAN MARKETMEN. ADDRESS F. ARCHER, CARE FLORISTS' EXCHANGE.

CARNATION GROWER WANTS POSITION AS FOREMAN ON COMMERCIAL PLACE. WHEN ANSWERING, GIVE FULL PARTICULARS AND WAGES. ADDRESS G. E., CARE FLORISTS' EXCHANGE.

GERMAN (29), single, experienced greenhouse man, sober, industrious, willing to work, wishes situation. Please state wages when writing. Address George Kluepfel, 53 South 4th St., Brooklyn, N. Y.

SITUATION wanted by young man, age 23, nine years' practical experience in growing grapes, orchids, roses, etc.; also outside work. Private place preferred. References. H. Scholz, 8th Ave. and 39th St., Brooklyn, N. Y.

POSITION WANTED, as manager of a commercial, or head gardener on a private place, by thoroughly qualified, all-around man. Best of references from last employer. Scotchman, single. Address J. E. Whyte, Scarborough, N. Y.

SITUATION wanted by man, 28, married, no children. Grown up in the business. Place as foreman or section man where there is chance for advancement. European and American experience. Best of references. A. C., 340 Second Ave., New York.

SITUATION wanted by florist and gardener as foreman on commercial place or gardener on private place; 20 years' experience in cut flowers, bedding plants, etc.; also outside work, vegetable and fruit. Can give references. Address H. B., care Florists' Exchange.

SITUATION wanted as head gardener to take charge of gentleman's country place; well posted in all details pertaining to management of first-class place. Scotch, 20 years' experience; married. Good references. Address W. D. Robertson, Centre Island, Oyster Bay, N. Y.

SITUATION wanted, by all-round gardener; greenhouse and outside work. Age 30, speaking German and English. Good references; active, honest, willing; not afraid of work. Private or commercial. Working in Philadelphia, Pa. Address H. A., care Florists' Exchange.

SITUATION wanted by nursery manager; 15 years' experience; understands propagation of fruit and ornamental trees, shrubs, evergreens and roses. Good bookkeeper and correspondent. Can take entire charge of growth and shipment of nursery products. Business propositions invited. Could begin April 1st. Nurseryman, 85 Woodland Ave., Cleveland, Ohio.

SALESMAN with 12 years' experience in selling to the florist, nursery and seed trades, wants position with reliable house or houses to sell on commission. Good connection in New York City, vicinity, New England States and the Middle West. Address Salesman, care Florists' Exchange.

FRENCHMAN, 27, ten years' experience, two years in this country, understands outdoor work, limited knowledge of greenhouses; am ambitious to become head gardener, and therefore seek position in large place where I can take part at all inside work; want to learn forcing roses, carnations, etc.; also peaches and grapes. Good references. Address P. Boury, Mount Airy, Philadelphia, Pa.

SITUATION wanted as working foreman by an American, married, life experience in growing roses, carnations, chrysanthemums and bedding stock, fancy ferns, and stove plants. Good propagator and designer, capable of managing large or small place. Can give good reference. Strictly temperate. Private or commercial. When writing please state wages and particulars. Peter H. Curren, Mamaroneck, N. Y.

MISCELLANEOUS

FOR SALE—Five shares of stock in The American Gardening Publishing Co. Value $250; 4 per cent dividend. Must be sold to close transaction. Price only $150. Good chance for investment. Address Walter H. Harrison, La Mott, Pa.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED, night foreman to take charge of nine Hitchings boilers; wages $10.00 per week. Address H. O., care Florists' Exchange.

WANTED, two inside men, and one man for outside work. Good wages to right parties. Yearly place. Address H. L., care Florists' Exchange.

WANTED, bookkeeper, stenographer and typewriter for nursery office; on or about March 1. State experience and salary wanted. Address Bloodgood Nurseries, Flushing, N. Y.

WANTED, a good common-sense maker-up of floral designs; one who is fast and willing to work; steady job the year round; $10.00 per week to start. J. J. Cummings, 1131 West Baltimore St., Baltimore, Md.

WANTED, working foreman to take charge of commercial place; one who understands growing carnations and violets, and can make-up funeral and wedding pieces. Single man. Address F. B. Abrams, Blue Point, N. Y.

WANTED—Good salesman for nursery stock; must understand the business and have a good record as salesman in this line. Will pay salary and expenses according to ability. Address Keene & Foulk, Bloodgood Nurseries, Flushing, N. Y.

WANTED at once, good all-around man in store and greenhouse work; retail place. Must be sober, reliable and willing to work. Steady employment. Six dollars per week; board or without board. J. J. Brozat, 592 Central avenue, Newark, N. J.

WANTED, by March 1st, young man with some experience in greenhouse work, especially carnations; sober, industrious, trustworthy, and willing to learn. Give experience, reference, and wages expected, or call, John Curwen, Glenhead, L. I., N. Y.

WANTED at once, two good all-around men in greenhouse work, who understand how to handle palms, ferns, and Easter stock. Must be sober, reliable, and willing to work. Steady employment and good salaries for right men. Call or address R. Dreyer, Woodside, L. I., N. Y.

WANTED—Young married man of experience, energy and ambition, as working foreman on medium-sized place, for roses, carnations, etc. Pleasant location, comfortable house, fair wages and prospects to suitable man, who must grow good stuff. Address H. M., care Florists' Exchange.

WANTED, a good practical florist, married or single, on commercial place near Philadelphia; must be thoroughly experienced in the growing of general line of cut flowers and plants and furnish good reference as to character and ability. Address, with particulars, G. G., care Florists' Exchange.

WANTED, a grower of roses, including American Beauty, one who has unquestioned reputation and endorsements, to take charge of a new range of glass (100,000 sq. ft.) near Boston. A first-class opening for the right man. All applications will be treated in strict confidence. G. H., care Florists' Exchange.

WANTED, at once, good all-round grower on commercial place of about 20,000 feet of glass. One who understands growing carnations, chrysanthemums, Easter and bedding stock. Wages $60 per month, with reasonable advance if ability is demonstrated. None but those with the best of references as to ability and character need apply. Address H. D., care Florists' Exchange.

WANTED.

SEEDSMAN

Experienced in this country and Europe. A good, permanent position for the right man who has tact and energy. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

Stenographer, Typewriter and Assistant Bookkeeper.

Must be efficient and familiar with the seed, bulb and plant business. Female preferred. Apply

Clucas & Boddington Co., 812 Greenwich St., New York City.

WANTED.

Packer and Shipping Cle k

Must have knowledge of Seed and Bulb business. Reply, with references,

Clucas & Boddington Co., 812 Greenwich St., New York City.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

FOR SALE, 5½ acres of fine land, with good buildings, etc., in a thriving village. Francis Brill, Hempstead, L. I., N. Y.

FOR SALE, new twelve-room residence, windmill, water tank, hothouse, barn and 14 lots; 30 minutes out; near station. Cheap. Call or address Thomsen, 231 Central Ave., Jersey City Heights, N. J.

FOR SALE OR RENT, first-class retail business, well established trade; store and greenhouses. Situated at one of the leading seaside resorts. For particulars inquire from S. S. Pennock, 1612 Ludlow street, Philadelphia.

FOR RENT, two greenhouses, 100 x 15 ft. each; hot water heat; city water; well stocked. Twelve miles to New York City; convenient to trolley or train; will give long lease to reliable party. H. E., care Florists' Exchange.

MADISON, N. J.—For rent immediately, three greenhouses, each 150 feet long. Living rooms. No trouble about coal. Present tenant ill. Call upon or address Miss Alice L. Greene, 53 Greene Ave., Madison, N. J.

FOR SALE on easy terms, one greenhouse, 1100 ft. of glass, built 1902, in booming town of 8000 people; right in the coal belt. Three railroads; city water; three-room house on lot. Good reasons for selling. Write Ed. Greenwood, Linton, Ind., for full particulars.

WANTED—Would like to hear from a Christian lady, 20 to 23 years old, having quite some money and wishing to invest. Young man 25 years old; have a first-class business; place worth $15,000. Object matrimony. Address H. Q., care Florists' Exchange.

FOR SALE, large range greenhouses, Chicago. Or would exchange for small range—East preferred. Parties who could run wholesale store would find it advantageous. Two or three might join; business is large enough. Terms easy. Address Mulford, Jefferson Park, Chicago, Ill.

FOR SALE or rent; four greenhouses 11 x 100 ft., heated by Scollay Invincible Boiler. City water; good order. Eighteen miles from New York. Will sell cheap, or rent for $18.00 a month. $1,200 cash will take it. Bargain for someone. Address H. F., care Florists' Exchange.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

FOR SALE, plant of Chatham Rose Company, Chatham, N. J., on D., L. & W. R. R. Twenty miles from New York; 8 houses of 1100 running feet or 21,000 square feet of glass, fully stocked with Bride and Bridesmaid roses. All in first-class shape and running order. City water in all houses. Also large corner dwelling. Inspection invited. Price reasonable. Reason for selling, engaged in other business. Call or address, H. B. Green, Madison, N. J.

TO LEASE, on account of death, 2 greenhouses 18 x 130; one house planted in Perle and one in Bridesmaid and Golden Gate roses. Heated by Hitchings boilers; good, dry floors; new benches; everything in first-class condition. Situated about 16 miles from New York City, and within two minutes' walk of train or trolley. Will lease for a term of years to responsible party who can give first-class security. Address Mrs. M. Walsh, Montrose, So. Orange, N. J.

FOR SALE—Greenhouse plant within three miles of Chicago city limits; less than one-half mile from R. R. depot; 38,000 feet of glass; four acres of land; fully equipped; steam heated; well stocked. Growing fancy carnations and roses; half acre planted to peonies. Good wholesale trade, established direct with A1 retail florists within 300 miles of Chicago. Owner engaged in another business which forces him to move from city. Easy terms to responsible parties. For further particulars, apply to Box 1134, Milwaukee, Wis.

MODEL GREENHOUSE

For Sale at a Bargain.

Modern Rose and Violet House (by Hitchings & Co.). All iron construction and standard glazing. Latest improved heating apparatus, including extra large boiler. Rose house, 20 feet wide; and Violet frame, 7 feet wide by 60 feet 6 inches long. Work room, benches, etc., all in first-class condition. Plans and all particulars on application to

BARBOUR FLAX SPINNING CO.,
Paterson, N. J.

Mention the Florists' Exchange when writing.

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FOR CUT FLOWERS.

JUST WHAT YOU NEED.

For Sample and Prices, Address

THE FLORISTS' EXCHANGE, 2-8 DUANE ST., NEW YORK.

TO EXCHANGE

HARDY PHLOX, mixed colors, strong 2-year-old clumps. Good desirable varieties. Will exchange for pot plants or rooted cuttings, or will sell cheap for cash.

A few rooted cuttings of **CHRYSANTHEMUMS.** Write for list of varieties.

Henry H. Barrows & Son
Whitman, Mass,

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED to buy, some young peach trees grown in tubs. Address Eastern Townships Nursery Co., Montreal, Canada.

THE CONTINENTAL NURSERIES, FRANKLIN, MASS., WANT PRICE LISTS AND CATALOGUES OF NURSERY STOCK, BULBS AND PLANTS.

WANTED, a good second-hand modern metal construction greenhouse with heating appliances, for cash f. o. b. steamer New York, Philadelphia or Baltimore, Md. Size, 20 x 100 feet. A. W. Smith, Americus, Ga.

WANTED, to lease by about June 1, place consisting of 15,000 to 25,000 feet of glass in good condition, near New York City. Privilege of buying. State particulars, size, price, etc. Address H. P., care Florists' Exchange.

WANTED, to buy or lease 10,000 to 20,000 feet of modern glass in good condition, suitable for growing carnations; must be near Boston. Want possession in June. Address, stating price and full particulars, Box 94, West Boylston, Mass.

WANTED, 1000 rooted cuttings of running geraniums; 500 Souvenir De Chas. Turner variety, 500 in variety of doubles. State lowest cash price. Also price on potted plants of same. Address Alexander Mead & Son, 349 Lake Ave., Greenwich, Conn.

WANTED

A FEW SPECIMEN

ORANGE TREES

Tub-grown, five to seven feet high.

Address, stating price, to

ALEX. McCONNELL,
546 Fifth Avenue, New York City.

Mention the Florists' Exchange when writing.

REMOVAL SALE.

On account of removing to 339 East 23d street, New York, we will give a 5 per cent. discount on all goods ordered before March 1, except Hot Bed Sash, Glass and 2 in. Pipe.

One Rider Hot Air Pump No. 10, $85.00.

One Scollay No. 5 Boiler; price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6; price $1.65. Cypress, $1.75, painted.

Glass 10 x 32, 10 x 12; new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box.

Shovels, spades, axes, etc., $9.80 per doz. Will assort if wanted. Also second-hand plumbing tools.

Wheelbarrows, $1 30 each.

Second-hand seasoned lumber at all times.

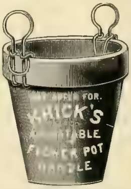
A limited job lot quantity of new 10-ply hose ¾-in.; price, while it lasts, 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money, send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1-in., 3¼c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., **New York**

Mention the Florists' Exchange when writing.

When you are crowded for room Use the



Perfect Flower Pot Handle and Hanger

Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 30c.; No. 2 will fit from 5 to 8 in. pots, per doz. 40c.; No. 3 will fit from 8 to 12 in. pots, per doz. 50c. Postage, 10 cents extra per dozen; sample pair 10 cents, postpaid.

W. C. KRICK, 1287 Broadway. **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

Some Floral Designs.

I send you a group photo of some designs put up by F. W. Pettitt, of Hopkinsville, Ky., showing how we crawled out of a shortage. We had no large designs and so made up a few combinations which pleased the buyers. The design showing the heart was made with a 26-inch crescent wreath, with a 14-inch heart inside. The square and compass had a 20-inch wreath around it, and an 18-inch crescent wreath encircled a small anchor. The other designs are just as we bought them.

This is sent to show other florists how to keep from losing a good order. Five years ago a floral design was a stranger here, and we think that in time the people will put more money into flowers.

I forgot to mention that the temperature was very mild the day the group was taken, and last night (February 2) the thermometer registered 62 degrees at 7 o'clock, something unheard of here for several years.

Dahlias.

Editor Florists' Exchange:

In "Commercial Notes on Dahlias" in your issue of February 14, Mr. Tarbox makes some statements that are to me, to say the least, peculiar. He says: "Never plant two hills of the same variety in proximity. In my experience when this has been done I found one would produce nothing but poor flowers. This has been borne out by thirty years' experience."

I should like to know whether any more of your readers have had such an experience. I am not saying that your correspondent is incorrect in his statement; far from it; but such a statement seems strange, when looking at the quantities of one variety growing together as can be seen during the season of growth, almost anywhere, and every plant equally good. How can one variety assist another to produce perfect flowers? It has been said that there is nothing new under the sun, but this is entirely a new idea to me.

Further along your correspondent remarks that "a poor variety may be improved if planted alongside of a perfect sort. This is on account of fertilization by bees."

Also a new idea, Mr. Editor, that the effect of fertilization by bees will appear in the progeny of a poor variety if seed be saved, and young plants raised is patent to anyone, but how can a poor variety be otherwise improved by planting near to a good variety? What effect can bees have on a flower, whether dahlia or any other, beyond the simple act of transferring the pollen from one flower to another.

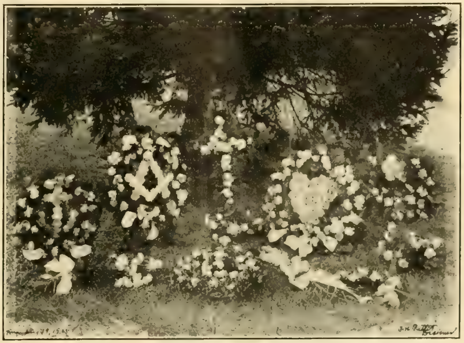
I never before heard that they had any. I am no dahlia expert and would appreciate further light on this subject. CHAS. H. TOTTY.

Greeting From New Zealand.

At this season it is customary to take a glance back at the work of the year which is just closing and consider the prospects for the new. The suffocating hand of drought has gripped heavily at the heart of our neighbors—the Federated State of Australia. Fortunately, it has now relented its withering grasp and welcome rains have become almost general. It was time. Farmers and runholders, who are usually sellers of stock and produce, have been without enough of these for themselves and have been forced to purchase from imported shipments coming from New Zealand and even from South America and the United States, and for these, prices were particularly high. Of course, what has been Australia's loss has been New Zealand's gain, but the feeling here has been one of heartfelt sympathy with the sufferers.

In our own country, the past year has been a most prosperous one with all classes. There is, of course, the usual number of grumblers who maintain that the country is going to regions which are not usually referred to in polite society. As answer to these, however, it is pointed out that the prices obtained for almost all produce are far higher than for years past. For stock, grain, wool, and so on through every class, the rates have risen. Work is plentiful, and wages have advanced considerably. As a set-off against the latter, the increased prices of meat and grain have to be considered, but as values on imported articles have not risen to any great extent, the workers are still better off.

In horticultural matters, the usual shows have been held and have without doubt done much to encourage the love of horticulture. Here, there is no particular show, or shows, which command pre-eminent attention, as is the case in the Australian colonies. All the towns, including what would be called "at home" country hamlets, have their shows once or twice a year. Perhaps the flower that has received most attention and called forth the most interest during the year is the daffodil and its family. A few years ago, these were quite neglected here; but, following the lead of the older countries, the trade has taken them up energetically, and several splendidly complete collections are maintained. New varieties are added quickly to the list; in fact, so rapidly do they accumulate that one wonders where they will stop. In some cases, varieties, practically the same, or at least too much alike, are being offered as new and distinct. This should not be. It is very annoying to growers in distant countries (who have no means of seeing flowers of new varieties at the shows as English people have) to import high-priced sorts and, after acclimatising them and waiting one or two years, to find that they are nothing but what is already in the nursery in dozens or hundreds.



AN OBJECT LESSON IN THE MAKING OF FLORAL DESIGNS.
F. W. Pettitt, Hopkinsville, Ky., Artist.

During the last few seasons, many splendid additions have been made to our rose lists, and these have already proved themselves so serviceable that we could hardly part with them.

Carnations, too, have received some attention. With these flowers the progress is slower, owing mostly, no doubt, to the difficulty of importing the latest and best novelties from Europe and America. It is practically impossible to receive these alive by post. The only way to do so is to have established plants in pots brought out by a passenger who will attend to them on the voyage.

The establishing of a National Society of Horticulture in New Zealand was an event of some importance, and should bear good fruit. This will doubtless be affiliated with the R. H. S. of England and should be the means of adding to the number of its subscribers. A conference of gentlemen, including private growers and members of the trade, was held in Dunedin and the final arrangements made. A number of valuable papers were contributed and these have been printed in book form and circulated by the Department of Agriculture.

With the nurserymen, the past season has been a good one, especially in fruit trees, which are being largely planted here and on commercial lines. Canning and pulping factories have been started and the industry promises to extend. The nurserymen complain in some instances of the lack of skilled labor, and the same remark applies to general gardeners. There are plenty of men who call themselves gardeners, who are really but common laborers and who lower the status of the really good men. The fact is that here, at least, the employers of gardeners pay too low a wage in proportion to that given to tradesmen. To be a good gardener in all branches surely requires more brains, energy and ability than to be a carpenter or bricklayer. The latter are paid 10s. to 12s. a day, but the former usually only receives from 7s. to 9s. The idea often suggests itself that it would be a good thing if seedsmen's assistants were allowed the opportunity of passing an examination which might be held annually as that for gardeners is. This could be made in two or three grades; the first representing an ordinary assistant with a passable knowledge of botany, seed growing, nursery work and farming; the second, a more extensive acquaintance with the above and with the addition of bookkeeping and business methods, and representing a man capable of taking charge of a business; while to qualify for the third would require more than ordinary ability. This should be a guide for an employer as to the capabilities of an applicant for a position, and would be especially useful in the cases where colonial or American houses require assistants. Of course, there are other considerations, as that of the amount of energy that one individual brings to bear on the work in hand more than another. Many good men, perhaps, could not pass such an examination. However, it could not possibly do the assistants any harm, and it would have the tendency to raise the status of the employees.

In seed growing, not very much is harvested here unless for local consumption, with the exception of cocksfoot and peas. A number of the vegetable and farm seeds for colonial use are saved here, the principal of which are mangels, carrots, beans, beet and onion. At present the cocksfoot fields promise an abundant harvest; while the yield of peas should be a normal one. From all accounts every bushel will be desirable as the past crop has been a very poor one in Europe and America.

On the whole, New Zealand has cause to be satisfied and to look back upon the past year as one of steady prosperity. Let us hope the new one will be good both at home and throughout the world.

GEO. COOPER,
Wellington, New Zealand.

Utica, N. Y.

February 5, 1903, the Utica Florists' Club held its annual carnation meeting, which was very largely attended. Afterward the members enjoyed a smoker and through the evening were also entertained by some fine selections on the graphophone. The growers of new varieties of carnations were very liberal in sending us specimen flowers, which were much admired. Peter Fisher, of Ellis, Mass., sent us Enchantress, which needs no comment, and also two new varieties that I believe are not to be sent out until 1904; Mrs. Patten and Nelson Fisher, grand flowers that every one will want. The Boston Market had not been seen in this locality before; it is a fine white.

S. J. Reuter, of Westerly, R. I., sent us a beautiful bunch of his Lillian Pond; it will be hard to beat and was well thought of by all. Mr. Warburton, of Fall River, had an elegant bunch of Cressbrook and two good seedlings. S. J. Goddard, Framingham, Mass., sent us the Queen, a good white, with fine stem and large flower; also two seedlings, one orange and pink and one pink, of 1901. A fine bunch of the Queen came from Little South Foral Co., Natick, Mass. The Queen is surely a splendid white, good enough for most any one. We were sorry the box of blooms of President McKinley, from E. T. Grave, Richmond, Ind., was frozen. We also had Marian from Isaac Passmore, of West Chester, Pa., a good white; and from J. G. Sholl, of Burlington, N. J., came Success and several seedlings, for all of which we were very much obliged.

The writer visited Wm. Mathews last Wednesday, where he met Treasurer C. F. Seitzer. We were taken in hand by Harry Mathews, who kindly showed us about the place, his father being absent. A house of Mrs. Lawson carnation and others all looked well. Mr. Mathews struck it bad on lilies this year, he says the worst in some time. But he may well be proud of his cattleyas. He has a large collection of these, including one of the finest of Cattleya Trianæ alba, a pure white, also another white with a slight tint of lavender in it.

We also called on Mr. Baker and found something new in the way of a pure white Primula obconica from a batch of seedlings raised last year. This may be common, but I had never seen it before. He has about twenty plants of it. Bulbous stock was in fine shape, also his azaleas. One house of lilies was being pushed along—at least we thought it quite warm.

I have not heard of more than two or three going to Brooklyn this week.

We strolled out to see our friend, Peter Crowe, and found him among his fern, Croweanum. About the last of 30,000 of the fern is a sight now, just as fine as ever. He cannot get enough of it to supply the trade.

We went over to the rose plant; a grand crop was in sight on long stems.

John E. Hughes, of Oneida, was in town last Wednesday on a flying trip. He had an evening party on hand and, of course, had to come to Utica for something extra in roses.

QUIZ.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 500 LBS. 60c. per cwt On Cars N. Y. City.
Tobacco Powder THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.
Tobacco Powder THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.
Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it; write Dept. B.
THE H. A. STOOTHOFF COMPANY
TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

PHILADELPHIA WHOLESALE FLOWER MARKET

1228 CHERRY STREET, PHILADELPHIA

Consignments of CHOICE VIOLET
and NOVELTIES Wanted. We have
Choice Lot of DAFFODILS Fresh Daily
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

Mention the Florists' Exchange when writing.

Galax and Leucothoe

We are situated in the heart of the finest section known for the above Evergreens.

Galax, Green and Bronze, 45c. per 1000.

Leucothoe Sprays, Green, $2 00 per 1000.

These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.

F W RICHARDS & CO., Banners Elk, N. C.

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; VAIL SEED Co., Indianapolis; J. M. MCCULLOUGH'S SONS, Cincinnati Ohio.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower

CUT GREENS

Asparagus, Smilax, Sprengeri and Adiantum.

Tel. 28 A. **SHORT HILLS, N. J.**

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Galax Leaves, Leucothoe Sprays Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**

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FANCY OR DAGGER FERNS

$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

CROWL FERN CO.

MILLINGTON MASS.
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Mention the Florists' Exchange when writing.

Order Direct from Headquarters

A No. 1 **Dagger and Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze and Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green and Sphagnum Moss**, $1 00 per bbl Southern **Wild Smilax**, selected stock, $4.00 and $7 00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

HENRY M. ROBINSON & CO.,
34-36 Court Square, **Boston, Mass.**

Mention the Florists' Exchange when writing.

HARDY CUT FERNS

Fancy and Dagger, $1.00 per 1000; first-class stock, **Sphagnum Moss**, 60 cts per bbl. **Laurel Roping**, hand made and well put together, for Easter, $4.00 per 100 yds. **Bouquet Green Roping**, $5.00 per 100 yds. **Spruce, Balsam, Elm and Maple Trees** by the dozen or 100. Write for prices. All orders by mail or dispatch promptly attended to for cash.

THOMAS COLLINS, Hinsdale, Mass.

Mention the Florists' Exchange when writing.

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Our new revised Catalogue No. 6,

FLOWERS AND PLANTS

136 pages and cover, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

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"Chemicals"

for making LIQUID COMPOST.

Dry powders all soluble in water. Composts cost less than ½c. per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY,
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J. STERN,

1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.

Wax Flowers, Floral Designs, Florists' Supplies.

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GEORGE RIPPERGER,

SHEEP MANURE

I have now on hand a large quantity of
A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**

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FERTILIZER

Pure **Bone Meal**, specially for greenhouse uses; about 5 per cent. **Nitrogen**, 30 per cent. **Bone Phosphate.** 166-lb. bag, $3.25; half ton, $17.50; ton, $32.50. Also "Complete" Fertilizer for potatoes, corn, etc. Cash with order.

JAMES L. REYNOLDS CO.,
Mount Vernon, N. Y.

Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING

No more plants until they can be dug in the field.

CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

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Marie Louise Violet Plants

(Grown by Alfred Whittley)

from clean, vigorous prize-winning stock. Eight prizes in two years. Orders now received for March or later delivery. Write at once for prices.

A. W. WILLIAMS, Highland, N. Y.

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CINERARIAS

Dwarf and semi dwarf Giant-flowered. Fine stocky plants, from 2½ in. pots, $2.50 per 100, 3 in. pots, $4 00 per 100. All of them ready for 5 inch; will make fine selling plants for Easter.

CANNAS (Dormant) Strong tubers, Mme. Crozy, Austria, Henderson, Bouvier, P. Marquandt, Burbank, Black Prinz, 'Alba rosea, etc. $1.50 per 100; $12.00 per 1000. Cash, please.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. **Springfield, O.**

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Cinerarias

In bud and bloom, 5 in., $1.50 per dozen.

Calceolarias, 3 in. $5.00 per 100.
Pansies. A superior strain, transplanted in cold frames, 50c. per 100, by mail; $3.00 per 1000, by express.
Genistas, in bud and bloom, 4 in., $1.50 per doz.
" " " " 5 in., 2.00 "
Unrooted Carnation Cuttings—Dorothy, Mrs Lawson, Cressbrook, Gaiety, Oriole, Challenger, Norway, Queen Louise and Sylvia, $1.50 per 100; $10.00 per 1000.

WHITTON & SONS, Wholesale Florists,
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NOTICE!

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, transplanted from flats, $3 00 per 100. $25.00 per 1000

BEGONIA REX. In 12 standard varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

CANNAS (Dormant tubers), 2-3 eyes. Chas. Henderson, Chicago, Queen Charlotte, Alphonse Bouvier, Papa Canna, Florence Vaughan, Pres. McKinley, $2 00 per 100; $18 00 per 1000. My selection, $15.00 per 1000

GERANIUMS (standard varieties). My selection, strong healthy plants from 2½ in pots, $2 50 per 100; $22.50 per 1000

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

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Double Petunias

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A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C	1 25
STROBILANTHES DYERIANUS, R. C	$1 25 and 1 50
GAZANIA SPLENDENS, R. C	1 50
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LANTANAS, 6 vars	1 00
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MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and AUSTRALIS, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
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FLOWERING BEGONIAS, 8 vars	1 50

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

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IMPATIENS

THE QUEEN

Fine 2-in. pot plants, $1.25 per doz.; $8.00 per 1

ASPARAGUS SPRENGER

From 5-in. pots, strong, $1.50 per doz.; $10.00 per 100.

BEGONIA REX

12 varieties, 2-in., 60c. per doz.; $4.00 per 100.

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Fine plants, 5 in. pots, ready to shift, $20.00 p 100; 2½ in. pots $3.00 per 100.

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		Per 1
Large Flowering.	$2.50 per 1000	$0
Asparagus Sprengeri, fine plants		2
Coleus, 20 var., 2 in. pots		2
Geraniums, 10 var., 2½ in. pots, $2.50 and		3
Canna Roots, 10 var.		3

CASH.

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Crimson Verschaffeltii and Golden Bedder, 1000, $6 00; 100, 60c. 10
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Double Petunias 1
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Vinca Variegata 1
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Giant Sweet Alyssum.
Ageratum, Pauline and Gurney
Cannas, Queen Charlotte, Crozy, Marlborou F Vaughan, Henderson, Burbank, Berat, Chica Cabos and others, 2 to 3 eyes, $15 00 per 10 $1 50 per 100
Vinca Variegata, 2 in pots, $2 00 per 100; 3 i pots, $4.00 per 100; 4 in pots, $6 00 to $8.00 per 1
Geraniums, 2 in pots, $2 50 per 100.
Pelargoniums, 2 in pots, Victor, Layal, Su prise, $3 00 per 100.

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Wholesale Prices of Cut Flowers, New York, February 20, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	35.00 to 50.00
	" extra	25.00 to 35.00
	" No. 1	20.00 to 25.00
	" Culls & ordinary	3.00 to 12.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	10.00 to 15.00
	" extra	6.00 to 8.00
	" No. 1	5.00 to 6.00
	" No. 2	3.00 to 4.00
	Golden Gate	4.00 to 15.00
	Liberty	6.00 to 25.00
	Meteor	1.00 to 8.00
ADIANTUM		.75 to 1.00
" PETER CROWE		...... to 1.50
ASPARAGUS		25.00 to 50.00
CALLAS		8.00 to 10.00
CATTLEYAS		40.00 to 60.00
CYPRIPEDIUMS		10.00 to 12.50
DENDROBIUM FORMOSUM		...... to 25.00
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		1.00 to 1.50
	STANDARD VARIETIES	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*FANCY— (*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 6.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	NOVELTIES		8.00 to 10.00
LILIES			8.00 to 10.00
LILY OF THE VALLEY			1.50 to 2.00
NARCISSUS—Paper White			1.00 to 2.00
" —Yellow			2.00 to 4.00
MIGNONETTE—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
ROMAN HYACINTHS			1.00 to 1.50
SMILAX			8.00 to 12.00
SWEET PEAS			1.50 to 2.00
TULIPS			2.00 to 5.00
VIOLETS			.25 to .50
" special			.50 to .75
LILAC, per bunch			.50 to .75
FREESIA, per bunch			.15 to .20

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Indianapolis, Ind.

Notes.

Herman Junge, of Smith & Young, has been termed "the violet king." It is he who looks after the violet interests of the firm, and as his flowers have been large and numerous, the title is a suitable one.

John Heidenreich is growing some of the best blooming plants in the city. His azaleas are exceptionally fine.

A number of men comprising the advisory committee for the coming flower show, held a meeting at the Commercial Club, Friday. All matters with the directors were favorably adjusted, the premium list pronounced satisfactory, and several other subjects attended to.

Philip Conway barely escaped being quarantined for smallpox, as one of his employees has a severe case of this disease.
I. B.

Buffalo.

News Notes.

This locality is this week in the common throes of coldest weather of this Winter, with the temperature hovering close to the zero point and cold winds. Vigilant care on the part of the plantsmen is necessary.

Flowers are coming in in quite a variety, but in quantity not above the daily demands. Trade in the stores is a bit scattering, but called fair. St. Valentine's Day last week gave some impetus, especially in the calls for violets.

Thomas Coleman, formerly with Bullock & Co., while retaining a position with a department store here, has severed his connection with the latter, and his entire energies will be devoted to his florist business hereafter. William Grever, recently with him, and who holds the record of over ten years' service in the same continuing business, at various times under different ownerships, has severed his relations with the same.

The number of craftsmen attending the Carnation meeting in Brooklyn this week promises to be limited. W. F. Kasting left on Monday, and on Tuesday Wm. Scott also departed. The Detroit contingent stopped over a train en route on that day.

John Barclay, of New York, was a caller last week.
VIDI.

St. Paul.

Among Growers.

Carl Petersen, who built two new houses on Stryker avenue and commenced business last Summer, can be justly termed the "bulb king," for the stock which he has been bringing in the past month is beyond doubt the finest ever seen in St. Paul. Hyacinths, with 15-inch stems and 10-inch spikes, in addition, all in full bloom and perfect by January 15, are a credit to any grower. His tulips and daffodils are equally good.

From Minneapolis we hear wafted the fame of "Monson's violets," which have almost become a household word in the Twin Cities. Such fine blooms and so many to the square foot were never before known. He is keeping an accurate tab on the crop and will have some astounding figures to give our readers at the end of the season.

Not content with getting all the orders in sight his first trip, T. J. Wait, representing August Rhotert, of New York, has made a second trip to the Twin Cities and bagged a lot more.

Mr. Whatton, orchid grower for Dr. Schiffmann, recently showed me some grand specimens of phalænopsis, which he thinks should become most popular with the flower lovers of the country. Mr. Walton has a reputation for growing all orchids well and his house of cattleyas, just coming into bloom, certainly bears out his reputation. A few oncidiums and Cœlogyne cristata were in fine shape at the time of my call. The doctor and his family are en route to Manila on a trip around the world. He will most likely bring home some fine specimens from the Orient.

Private greenhouses are not very plentiful in the Northwest, probably because our men have been too absorbed in the race for wealth to pay attention to the more æsthetic side of life; and, possibly, because the example has not been set often enough for them to copy.

But though private places here are rare, the one built up and maintained by J. J. Hill is worthy of emulation by others of our monied men. Mr. Hallstrom, the florist in charge, is one of those quiet men who says little but accomplishes much. I venture to say that no commercial place in America grows a larger variety of plants and flowers than this, and I am sure none grows them better. Mr. Hill tries all the new things as they come along, in fact, must have them.
VERITAS.

Conshohocken, Pa.

John Etchingham, of the firm of Etchingham Bros., florists, met with a painful driving accident Sunday, February 8. His horse took fright, and he was thrown from the wagon, sustaining a displaced wrist and severe lacerations about the head and face.

Paterson, N. J.

Rony & Dalgleish have bought out the store of Mrs. Kirberg on Broadway.

Carnation blooms are beginning to appear on the florists' wagons in the street. Those offered for sale last Saturday might be classed as common seconds.

Ridgewood, N J.

A. V. D. Snyder is shipping large quantities of bulbous stock, La Reine tulips being especially fine.

On and after March 2, we will be located at
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Feb. 10, 1903	Phil'delphia Feb. 17, 1903	Baltimore Feb. 18, 1903	Buffalo Feb. 17, 1903	Pittsburg Feb. 16, 1903
	A. BEAUTY, fancy—special	...... to 60.00	...... to	...... to	75.00 to100.00	...... to ......
Roses	" extra	35.00 to 40.00	50.00 to 60.00	...... to	40.00 to 60.00	45.00 to 60.00
	" No. 1	16.00 to 30.00	25.00 to 40.00	25.00 to 40.00	...... to	25.00 to 35.00
	" Culls and Ordinary	8.00 to 12.50	10.00 to 15.00	8.00 to 20.00	6 00 to 12 00	6.00 to 8.00
	Queen of Edgely	...... to	25.00 to 60.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	... .. to 20.00	...... to	..... to	12 00 to 15.00	10.00 to 15.00
	" extra	12.50 to 16.00	15.00 to 18 00	...... to	10.00 to 12.00	6.00 to 8.00
	" No. 1	10.00 to 12.50	12.00 to 15.00	8.00 to 10.00	7.00 to 8.00	3.00 to 5.00
	" No. 2	4.00 to 8.00	8.00 to 12.00	5.00 to 7.00	4.00 to 5.00	..... to 2.00
	Golden Gate	...... to	8.00 to 15.00	5.00 to 12.00	4.00 to 8.00	4.00 to 10.00
	K. A. Victoria	...... to	8.00 to 18.00	5.00 to 8 00	..... to	...... to ......
	Liberty	8.00 to 30.00	20.00 to 40.00	...... to	4.00 to 10.00	4.00 to 15.00
	Meteor	4.00 to 20.00	8.00 to 15.00	...... to	4.00 to 10 00	4.00 to 6.00
	Perle	...... to	8.00 to 15.00	4.00 to 6.00	6.00 to 8.00	4.00 to 10.00
	ORCHIDS—Cattleyas	...... to	...... to 60.00	..... to	...... to	...... to ......
	Cypripediums	...... to	..... to	...... to	...... to 15.00	...... to ......
Carnations	Inferior grades, all colors	2.00 to 2.50	..... to	1.00 to 1.75	1.00 to 1.50	...... to 1.00
	STANDARD VARIETIES — White	2 50 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
	Pink	2.50 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00
	Red	2.50 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00
	Yellow and var.	2.50 to 3.00	2.00 to 3.00	2.00 to 3.00	.... to	1.50 to 2.00
	*FANCY (*The highest grades of standard var) — White	3.50 to 4.00	4.00 to 6.00	3 00 to 5.00	4.00 to 6.00	5.00 to 6.00
	Pink	3 50 to 4.00	4.00 to 6.00	3 00 to 5.00	4.00 to 6.00	3.00 to 4.00
	Red	3.50 to 4.00	4.00 to 6.00	3 00 to 5 00	3.00 to 5.00	2.50 to 3.00
	Yellow and var.	3.50 to 4.00	4.00 to 6.00	3.00 to 5.00	. .... to	3.00 to 4.00
	NOVELTIES	...... to	..... to	...... to	...... to	6.00 to 10.00
	ADIANTUM	.... to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.00 to 1.25
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 60.00	10.00 to 60.00	30.00 to 50.00
	CALLAS	8.00 to 12.00	...... to	8.00 to 12.00	10.00 to 12.50	10.00 to 15.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	.. to .....
	DAFFODILS	...... to 3.00	.... . to	3 00 to 4.00	3.00 to 4.00	4.00 to 6.00
	DAISIES	...... to	...... to 2.50	...... to	...... to	1.00 to 2.00
	FREESIA	2.00 to 4.00	...... to	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00
	GALAX LEAVES	...... to	.. ... to .20	...... to .10	.15 to .20	...... to ......
	HYACINTHS	2.00 to 2.50	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	1.50 to 3.00
	LILIES	7.00 to 10.00	...... to	...... to 12.00	12.00 to 15.00	10,00 to 15 00
	LILY OF THE VALLEY	2.00 to 4.00	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
	" Fancy	...... to 6.00	..... to	..... to	5.00 to 8.00	4.00 to 5.00
	NARCISSUS	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	SMILAX	16.00 to 18.00	...... to 15.00	10.00 to 25.00	...... to 15.00	10.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS	1.00 to 1.50	..... to 1.50	...... to	1.00 to 2.00	.75 to 1.00
	TULIPS	2.00 to 4.00	...... to 4.00	...... to 3.00	...... to	3.00 to 4.00
	VIOLETS	.40 to .75	..... to 1.00	.50 to .75	.50 to 1.00	.50 to 1.50

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Washington, D. C.

The Week's News.

Great preparations are being made for the beautifying of Washington parks next Summer, and about 750,000 plants will be required. Fully 50,000 tulips and other bulbs will be employed, and, owing to the increased improvements in this line planned for the coming season, it will probably tax the facilities to the utmost. One of the largest pieces of work will be the improvements at Mount Vernon square, which is the location of the new Carnegie library. The work to be done on these grounds alone will amount to about $15,000, and in addition a new park on Massachusetts avenue extended and one on North Capitol street, which have heretofore been practically nothing more than vacant lots, will be caused to blossom forth in all kinds of glory. It is not generally known that there are in the District of Columbia more than 4,000 acres of public reservations, of which nearly 400 are in either a highly or partially improved state of cultivation.

Carnations are doing exceedingly well and are bringing good prices. The demand for violets still keeps up, although in some instances a pretty good sized bunch is sold for 25 cents. Tulips in pans look nice in the windows of some of the F street florists, but the present cold snap of almost zero notch is not conducive to the sale of much stock of this kind.

At one of the recent social gatherings at the White House 1,400 carnations were used, in addition to 2,500 spikes of Roman hyacinths, 600 Liberty roses and 300 spikes of lily of the valley. The green foliage was produced by 300 sprays of asparagus and 1,200 fronds of maidenhair fern.

Colonel Theodore A. Bingham, who for the past six years has been superintendent of public buildings and grounds for the District of Columbia, has asked for a transfer, and arrangements have been completed for him to assume charge of river and harbor works in Western New York and Pennsylvania, with headquarters at Buffalo. The services rendered by the Colonel have gained for him the admiration and respect of all classes, and the city may well be proud of the system of parks and roadways over which he has been the guiding star in recent years. Among the many improvements he has accomplished was the thorough overhauling and rearrangement of the propogating gardens. It is said to have been due to his initial efforts that the Park Commission was created, and one of his recent recommendations is the construction of a boulevard to encircle the basin near the Washington monument grounds, thence crossing a stone bridge to the Potomac flats. His successor will be Major Thomas W. Symons, of the Engineer Corps.

At the wedding of the daughter of Senator Cockrell, at the Church of the Covenant, on Saturday morning, the 14th instant, the decorations were in white and green, marguerites, Bride roses and white lilacs being used in connection with delicate ferns and choice tropical greens.

The post office appropriation bill, which contains one item of special interest to seedsmen, that of mailing catalogues in bulk, is being held up in the Senate on account of having the Statehood bill tacked onto it as a "rider." However, it is claimed that only about five hours are needed, in case of absolute necessity, for the passage of any of the departmental appropriation bills alone, and it is thought that no serious inconvenience will be caused by this temporary hold-up. J. A. B.

Grand Rapids, Mich.

The club was reorganized at a meeting held in the store of Henry Smith on February 9. Ten names were added to the list, which gives the club about thirty-five members, and the following officers elected: President, Henry Smith; treasurer, James Schols, secretary, N. B. Stover; reporter, George F. Crabb. Standing committees were appointed as follows: Reception, Wenzel Cukierski, P. Kunst and Nicholas Freeling; subjects, Alfred Hanna, Henry Van Velden and G. F. Crabb. Some minor changes were made in the constitution and by-laws. The club hereafter will meet the third Monday in each month, though a regular meeting place has not been secured, and will discuss some subject relating to floriculture at each meeting. It is expected the club can secure the Board of Trade rooms. An attempt to make the title "Florists and Gardeners' Club" was defeated. At the next meeting N. B. Stover reads a paper on "How to Grow Violets."

There is a howling blizzard at a 5-degree below zero rate, tearing around the corner of the greenhouses. That's what makes the coal dealer smile and coolly boost the price another 50c. per ton!

So far, it seems, no one is going to Brooklyn this year, which is to be regretted. G. F. C.

Providence, R. I.

Club Notes.

The club meeting was held February 12 with a satisfactory attendance. Messrs. Mathewson and Wheeler, of Kingston, were elected members. Messrs. John Macrae and Wm. Hockey gave an extended account of their trip among the growers around Boston and the impression made by carnations Enchantress, Mrs. Lawson and Governor Wolcott. This was one of the most interesting talks of the evening.

A paper, asking for lower express rates was drawn up and will be circulated among the trade. At the next meeting it is expected that either Professor Card or Professor Wheeler will present facts concerning a prospective State Experimental Greenhouse at Kingston College.

Jottings.

T. J. Johnston's store is now equipped with automatic fire sprinklers. Mr. Johnston and half a dozen local florists contemplate going to the Carnation Society's meeting in Brooklyn.

The coal situation is thoroughly eased now and no difficulty is found in obtaining a supply.

F. Macrae's illness are right in line for Easter, and are pronounced in excellent shape.

President Appleton is endeavoring to give a business-like administration of the club meetings. The present members make a good basis for future success.

The florists should get together and arrange for a "Violet Saturday" for the 28 of this month and have a big display and special price.

C. MACNAIR.

Pittsburg.

The Week's News.

Frank Britenbaugh of Britenbaugh Bros., of Bennett, Pa., died last week of pneumonia after a short illness. He was in his fifty-first year and had spent his lifetime as a florist, starting in a small way. At his death he had quite an extensive place.

A. M. Murdoch has been confined to his house for some weeks with an attack of grippe.

Dr. John Merie Coulter, head of the department of botany in Chicago University, one of the best known botanists in the world, gave a lecture in this city last week. His subject was "Plant Societies."

The Carnation Society's convention in Brooklyn is the cause of the scarcity of florists in the city at present, no fewer than fifteen to my knowledge are in New York in spite of the cold snap. The following party left Tuesday evening by P. R. R.: F. Burki, T. P. Langhans, C. Limbach, W. Hinkel, Ed Blind, B. L. Elliott, J. Wyland, M. Bunting, E. C. Ludwig, wife and family and E. C. Reineman and W. Lauch. Arriving in New York about three hours late a call was made on Patrick O'Mara, of Peter Henderson & Co., and then after lunch the party took train for Scarborough, N. Y., to visit Pierson's new houses. Messrs. Pierson procured a sleigh and took us to Briarcliffe. The party was delighted with the visit; the new large house built by Pierson-Sefton Co. surprised the boys and were pronounced by all the most complete in every detail that any had ever seen. The stock of American Beauty roses was in fine condition, although off crop at present; and the new striped carnation is a wonder—immense flower and strong growth. The visitors thank Messrs. Pierson for the courtesies extended.

In the evening, after dinner, another Pittsburger dropped in. W. Breitenstein, who came for the flower show. The whole party is stopping at the Astor House, and in spite of the blustery, cold weather are having a good time. E. C. REINEMAN.

WE ARE WESTERN HEADQUARTERS

For **CUT FLOWERS, SEEDS, BULBS** and **SUPPLIES** for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.

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The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
House in Chicago
32, 34, 36 Randolph St., CHICAGO, ILL.

J. B. DEAMUD
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
51 and 53 Wabash Ave., CHICAGO

McKELLAR & WINTERSON
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Chicago Feb. 17, '03	St. Louis Feb. 7, '03	Cincinnati Feb. 16, '03	Milwaukee Feb. 8, '03	Detroit Feb. 17, '03
	A. BEAUTY, fancy—special		40.00 to 60.00	30.00 to 50.00	...... to 50.00	...... to	...... to 50.00
Roses	"	extra	25.00 to 35.00	15.00 to 25.00	...... to 40.00	25.00 to 35.00	...... to 40.00
	"	No. 1	20.00 to 30.00	8.00 to 12.50	...... to 35.00	15.00 to 18.00	..... to 25.00
	"	Culls and Ordinary	8.00 to 15.00	4.00 to 6.00	8.00 to 16.00	6.00 to 8.00	...... to 10.00
	Queen of Edgely		...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		12.00 to 15.00	...... to 10.00	12.00 to 15.00	...... to 12.00	..... to 12.00
	"	extra	10.00 to 12.00	...... to 8.00	8.00 to 10.00	...... to 8.00	...... to 10.00
	"	No. 1	6.00 to 8.00	...... to 6.00	...... to 6.00	...... to 6.00	...... to 8.00
	"	No. 2	4.00 to 6.00	...... to 5.00	...... to 4.00	...... to 4.00	...... to 6.00
	Golden Gate		4.00 to 12.00	6.00 to 10.00	6.00 to 10 00	6.00 to 12.00	6.00 to 10.00
	K. A. Victoria		...... to	4.00 to 8.00	...... to	6.00 to 8.00	...... to . ....
	Liberty		4.00 to 25.00	...... to	6.00 to 15.00	8.00 to 12.00	..... to ......
	Meteor		4.00 to 10.00	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00	6.00 to 12.00
	Perle		4.00 to 8.00	5.00 to 8.00	...... to	4.00 to 8.00	6.00 to 8.00
	ORCHIDS—Cattleyas		...... to	...... to	...... to 50.00	...... to	. .... to 50.00
	Cypripediums		...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors		1.50 to 2.00	1.50 to 2.00	..... to	...... to	...... to ......
	STANDARD VARIETIES	White	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3 00
		Pink	2.00 to 3.00	2 50 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
		Red	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3 00
		Yellow and Var,	2.00 to 3.50	2 50 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
	*FANCY— (*The highest grades of standard var)	White	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
		Pink	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
		Red	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
		Yellow and Var.	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4 00	3.00 to 5.00
	NOVELTIES		6.00 to 8.00	...... to	..... to	...... to	. .... to ......
	ADIANTUM		1.00 to 1.50	...... to	1.00 to 1.50	...... to ...	..... to 1.50
	ASPARAGUS		20.00 to 100.00	10.00 to 20.00	30.00 to 50.00	20.00 to 40.00	20.00 to 75.00
	CALLAS		15.00 to 18.00	10.00 to 15.00	...... to 12.50	.... to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS		...... to	...... to	...... to	...... to	...... to ......
	DAFFODILS		2.50 to 4.00	..... to	...... to	...... to	3.00 to 4.00
	DAISIES		.60 to 2.00	..... to	...... to	...... to .50	..... to ......
	FREESIA		2.00 to 4.00	2.00 to 3.00	...... to	...... to	3.00 to 4.00
	GALAX LEAVES		..... to .15	..... to .15	...... to .15	...... to .20	..... to .10
	HYACINTHS		2.00 to 3.00	3 00 to 4.00	...... to 3.00	...... to	3.00 to 6 00
	LILIES		10.00 to 12.00	...... to	...... to 16.00	...... to	14.00 to 16.00
	LILY OF THE VALLEY		2.50 to 4.00	3.00 to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary		4.00 to 6.00	..... to	...... to	...... to	...... to 3.00
	" Fancy		6.00 to 8.00	...... to 5.00	...... to	...... to	...... to 5.00
	NARCISSUS		2.00 to 4.00	3.00 to 4.00	...... to 3.00	..... to	3.00 to 4.00
	SMILAX		12.00 to 15.00	12.50 to 15.00	...... to 12.00	15.00 to 18.00	12.50 to 15.00
	STEVIA		...... to	...... to	...... to	...... to	...... to .....
	SWEET PEAS		1.00 to 2.00	1.00 to 2.00	...... to	.50 to .75	.90 to 1.00
	TULIPS		2.00 to 5.00	...... to	4.00 to 5.00	2.00 to 3.00	4.00 to 8.00
	VIOLETS		.60 to 1.00	.25 to .75	.50 to 1.00	.50 to .75	.90 to 1.00

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Cut Flowers
51 Wabash Ave. Room 221, Chicago
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GEORGE REINBERG
Wholesale Cut Flowers
FIRST CLASS ROSES ALL SUMMER
are fully packed and iced to ship any distance on short notice.
51 WABASH AVENUE, CHICAGO, ILL.

Poughkeepsie, N. Y.

Wm. G. Saltford advises us that the paragraph appearing in our issue of February 14 last, page 177, relative to him vacating his present premises, is wholly without foundation. We would state that we were misled by the appearance of the report in a Poughkeepsie newspaper.

H. G. BERNING
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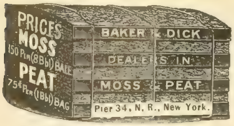

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Cluster of Roses Stationery

For Florists, is the Latest.

Both plain and in colors. Samples free by

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Wired Toothpicks

10,000, $1.50; 50,000, $6.25.

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E. C. BROWN & CO. Rochester, N.Y.

THE AUTO-SPRAY

best for all hand work. No continuous pumping. Compressed air runs it to spray ¼ acre of vines. B y can carry and operate. All working and contact parts of brass. Long line of high grade sprayers for every purpose shown in Catalog P. It is FREE. Write at once if you want the agency.

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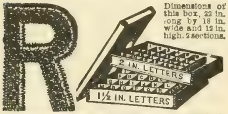
Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x80x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as **Fumigant** or **Spray.**

To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

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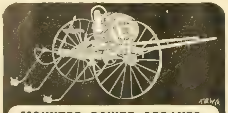

MOUNTED POWER SPRAYER.

Because of its saving of labor and spraying material, its rapid and thorough work and its wide and varying uses, this is the most economical sprayer made. Pump and agitator driven by gearing from axle. Adjusts for wide or narrow rows, small or large plants. Vermorel nozzles, pump working parts of brass. Specially adapted to large acreages.

WE MAKE 20 KINDS OF SPRAYERS,

all styles for every purpose. Catalogue free.

THE DEMING COMPANY, Salem, Ohio.

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CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5 4x8x22	$3.00	$27.50
1. 3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2. 3x6x18	2.00	18.00	7.—6x16x20	5.75	55.00
3. 4x8x18	2.40	22.00	8.—3x7x21	3.00	29 00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 00	58.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2 in. pots in crate,	$4.88	120	7 in. pots in crate,	$4.20
1500	2¼ " "	5.25	60	8 " "	3.00
				HAND MADE.	
1500	2½ " "	6.00	48	9 in. pots in crate,	$3.60
1000	3 " "	5 00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3 60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4.51	12	14 " "	4 80
144	6 " "	3.16	6	16 " "	4 60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**

Or AUGUST ROLKER & SONS, New York Agents,
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WHY NOT BUY

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OF US?

STANDARD SIZE

Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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ESTAB. 1765
A·H·HEWS & Co.
NO. CAMBRIDGE MASS
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CATALOGUE FREE

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Importers and manufacturers of . . . . . **FLORISTS' SUPPLIES.** Galax Leaves and all Decorative Greens. . .

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Cincinnati.

A Blizzard.

At this writing, February 16, we are having the worst blizzard experienced this season, and the thermometer promises to reach the zero mark by morning. The advent of the Carnation Society meeting seems to be a sure forerunner of very bad weather. W. K. Partridge and R. Witterstætter will probably attend the gathering

The rose show of the Cincinnati Florists' Society was quite a success. The only outside exhibitors were Heller Bros., and they only sent a vase of Franz Deegen rose. W. K. Partridge, of the Bloomhurst Nurseries, carried off the greater part of the first prizes. George & Allan took first prize for general display and second and third prizes. Corbett & Wilson were first on violets; J. W. Rodgers, second. R. Witterstætter displayed some fine seedling carnations.

The meeting of the society in the evening was well attended and quite a few visitors were present, including Mr. Trillow, representing J. C. Vaughan, Paul Berkowitz and B. Eschner. A committee was appointed to be named the social committee, consisting of C. J. Ohmer and J. W. Rodgers. I believe they will give a progressive euchre to start with, and a nice lunch thrown in. The social features of any society tend to hold the members together better and always promote good feeling. We wish this committee success in its undertaking, and hope it will receive the support of all the members when the time to buy tickets arrives.

E. G. GILLETT.

Hartford, Conn.

Notes.

Theo. Wirth, State vice-president of the S. A. F., has sent letters to about 100 of the leading florists in the State to find out their feelings in regard to the increased charges for express rates on cut flowers, and asking if the parties would be willing to attend a meeting to discuss the subject some time during this month.

The officers of the Florists' Club attended the banquet, Tuesday evening, given by the New Haven Horticultural Society at the Tontine Hotel.

Robert Karlstrom, gardener at Elizabeth Park greenhouses, has returned from New York, where he has been visiting fo the past week.

J. F. COOMBS.

We have facilities everywhere { **For HANDLING COLLECTIONS** / **For SECURING REPORTS. . . .**

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Sold by the Seedsman

OF AMERICA

HAMMOND'S GRAPE DUST
1886
1886
KILLS MILDEW.
GRAPE DUST
A SURE PROTECTOR
TRADE MARK

For pamphlet address

Hammond's Paint and Slug Shot Works

FISHKILL ON HUDSON, N, Y.

Mention the Florists' Exchange when writing.

HOT BED SASH

Now Ready.

DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft.	- -	3 rows 10-inch glass
3 ft. 3 in. x 6 ft.		4 " 8 "
4 ft. x 6 ft.	- -	5 " 8 "

Clear Cypress, 1¾ inch thick, without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

WRITE FOR CIRCULARS, PLANS AND ESTIMATES.

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A SPECIALTY.

Window Glass. Painters' Supplies.

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Standard Greenhouse Boilers

One cent gets our Catalogue.

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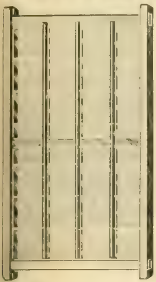

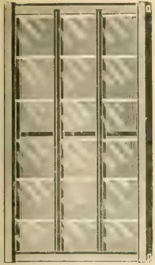

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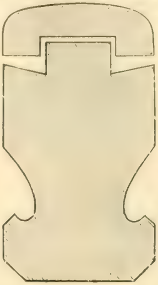
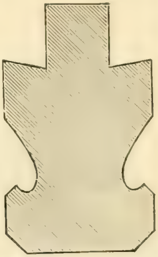
GREENHOUSE GLASS

AT MARKET PRICES

NEW TWIN SECTIONAL **BOILERS, Etc.**

Send 4 cts. for Boiler Catalogue.





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Drain it and get the use of a rich, mellow soil, by laying **Agricultural Drain Tile.** Our round tile is superior to all others. Been making it 50 years. Get our free book on "Benefits of Drainage and How to Drain." Develops every feature of whole subject. Write for catalog and prices on Drain Tile, Sewer Pipe and other clay goods.

JOHN H. JACKSON, 50 Third Ave., ALBANY, N. Y.

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Holds Glass Firmly

See the Point ☞

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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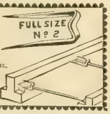

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Improved Recording Thermometer

JUST THE THING FOR YOUR

GREENHOUSE.

No. 200.

Send for catalogue and prices.

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PEABODY, MASS.

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JOHN C. MONINGER CO.
412 TO 422 HAWTHORNE AV. CHICAGO, ILL.

CYPRESS GREENHOUSE MATERIAL

OF ANY DESCRIPTION

SEND FOR CATALOGUE

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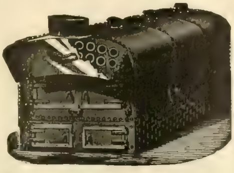
KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

GREENHOUSE CYPRESS

FOR THE COMMERCIAL AND PRIVATE GROWER.

Construction the Latest,
Material the Best,
Prices Reasonable.

WRITE FOR BOOKLET.

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32 E. Third St., Cincinnati, O.

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Sectional and Round—Water and Steam

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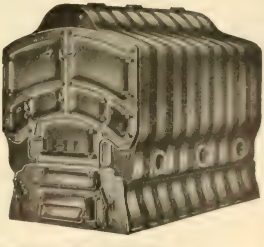

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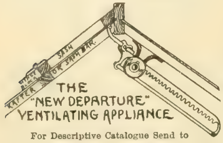

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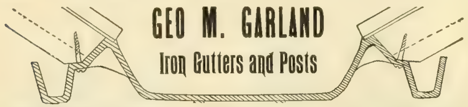

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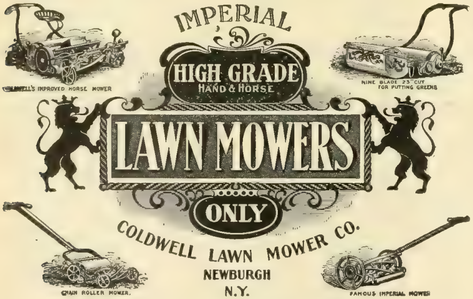
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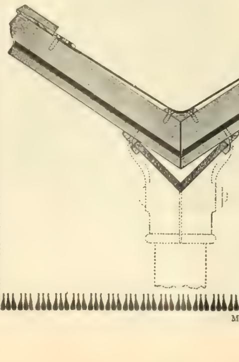

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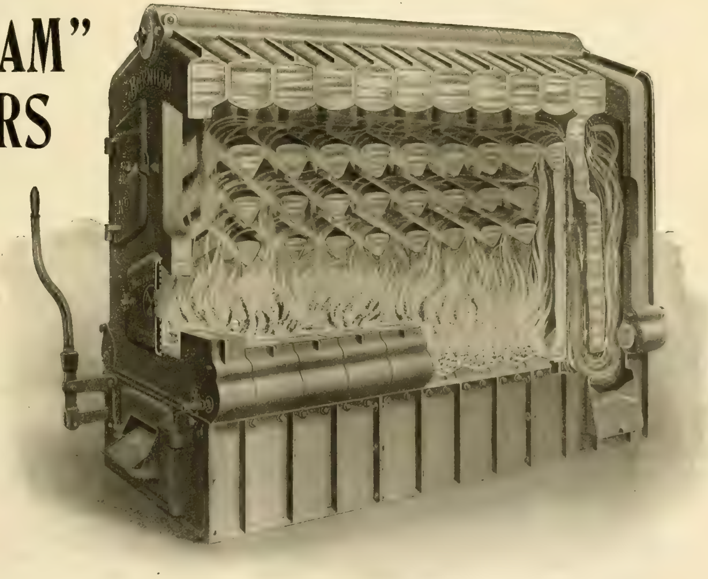

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Vol. XV. No. 9 NEW YORK, FEBRUARY 28, 1903 One Dollar Per Year

We are now booking orders for the

EW SCARLET ARNATION FLAMINGO

For Delivery January, 1904

Those who saw it will endorse our statement that it is, without question, the most uable New Variety shown at the Carnation Convention last week. All the leading erts agreed on its great value. We want a good scarlet carnation, and this is a great ance in this color. It is by far the largest scarlet carnation yet raised, borne on long ng, stiff stems, and is a free and early bloomer. It will rank in quality with MRS. THOS. LAWSON, ENCHANTRESS, PROSPERITY, Etc. Was awarded the Lawson Silver Medal and S. A. F. Silver Medal. Scored 90 points.

There is sure to be a tremendous demand for this, and if you want to secure early ivery, order should be placed without delay. Orders will be filled strictly in rotation received, so the earlier you book order, the earlier delivery we can make. Let us e order at once while the matter is in mind.

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Price of all the above, named varieties,

$12.00 per 100; $100.00 per 1000.

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This is the most valuable new variety that has been offered in years. It is an exceedingly e bloomer, producing large spikes of white flowers on strong branching spikes borne well ove the foliage. Dwarf habit—identical with MME. CROZY in height and style of growth. great masses of snowy blossoms contrast splendidly with the crimson, pink and yellow rieties, and it will be found indispensable in all fine Canna collections. **A Novelty of rling Merit.**

$1.00 each; $9.00 per dozen; $50.00 per 100.

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Standard sizes
2 1/4
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Kaiserin and Carnot, $15.00 per 100; $120.00 per 1000.

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Single, bulbs 1¼ in. and up, separate colors, white, red, pink, yellow and orange	$2 25	$20 00
" Mixed	2 00	18 50
Double, large bulbs, 1¼ in. and upward.		
Separate colors	5 00	40 00
Mixed	4 00	35 00
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Bulbs, 6 to 8 in. in circumference	2 00	15 00
" 8 to 10 " " "	3 50	30 00
" 10 to 12 " " "	6 50	50 00
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Fancy-Leaved, named sorts, large bulbs, $1.25 per doz.	10 00	
" Mixed sorts, large bulbs, $1.00 per doz.	7 50	
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Named varieties, very large bulbs; separate colors: white, purple, red, blue, spotted and tigered	5 00	40 00
Mixed colors	3 50	30 00
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American-grown, from originally imported stock, ⅓ single, ⅔ double, named sorts $1.00 per doz.	7 00	
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Large dormant pieces, with two to three eyes. Mad. Crozy, Paul Marquant, Burbank, Chas. Henderson, Alph. Bouvier, Peachblow, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria, Alsace, Morning Star	2 00	15 00

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Large roots	1 50	10 00

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Field Clumps, 3 to 5 eyes.		
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Chinensis Alba Plena, white	15 00	2 50
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Excelsior Double Pearl.		
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1st size, 3 to 4 inches	75	5 00
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American Hybrids, mixed	1 00	7 50
Very fine mixed	75	6 50
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Augusta, pure white	4 50	40 00
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ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

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" **Compacta**	4.50	40.00
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Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
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18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

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These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

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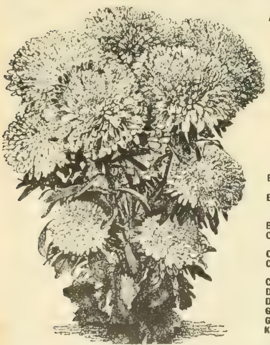

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Maritimum, sweet	.05	.15
ANTIRRHINUM. Large-flowering, white, scarlet, pink, golden yellow, each	.10	.25
ASPARAGUS Sprengeri, 1000 seeds, $1.00; 100 seeds, 15c.		
Decumbens ... 100 seeds 75c.		
Scandens Deflexus...100 seeds, $2.00		
ASTER, Queen of the Market, white, pink, purple, light blue, scarlet, each... ¼ oz., 20c.	.10	.50
ASTER, **The Carlson**, white, pink, rose, lavender, each, ¼ oz., 50c.	.20	1.25
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white	.10	.60
rose	.10	.75
red	.10	1.00
mixed	.10	.50
Truffaut Perfection Pæonia-flowered, white, pink, light blue, purple, scarlet, blood-red, each	.20	1.00
Victoria, white, pink, light blue, purple, crimson, each	.25	1.75
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Double Rose-Flowered, white	.10	.50
BEGONIA Vernon	.15	3.50
Duchess of Edinburgh, new pink	.25	
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BROWALLIA speciosa major	.25	
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CELOSIA (Cockscomb) Pres. Thiers	.25	
CENTAUREA candidissima, 1000 seeds, 25c		1.50
Gymnocarpa	.10	.40
COBAEA scandens, purple, 4 oz., $1.00	.10	.30
DAISY, **Burbank's new Shasta**, true	.25	
DRACAENA Indivisa	.10	.30
GERANIUM, apple-scented, 250 seeds, 35c		
GREVILLEA robusta	.10	.40
KENILWORTH IVY (Linaria Cymballaria)	.15	
New white	.20	
LEMON VERBENA ... ¼ oz., 40c	.25	
LOBELIA Crystal Palace Compacta	.15	1.25
Bedding Queen ... ¼ oz., 50c	.25	
Emperor William ... ¼ oz., 30c	.10	1.00
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White Lady, dwarf white	.15	
MAURANDYA, mixed ... ¼ oz., 30c	.10	
MIGNONETTE Giant Machet, selected,	.10	.50
Bismarck, an improved Machet	.20	1.50
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PANSY, Vaughan's International Mixture ... ⅛ oz., $1.50	.50	10.00
Vaughan's Giant Mixture, ⅛ oz., 60c	.25	4.00
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Masterpiece ... ⅛ oz., $1.00	.25	6.00

	Trade Pkt.	Oz.
PETUNIA, "Vaughan's Best" mixture of large-flowering single Petunias, the best in existence	.50	
Giants of California	.35	
Double Large-Flowering Fringed, extra choice m'x'd	1.00	
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PRIMULA obconica, large-flowering white, rose or mixed, each	.25	
PYRETHRUM aureum, Golden Feather	.10	.40
SALVIA splendens. "Drooping Spikes,"	.15	2.00
Clara Bedman, very early, dwf	.25	2.50
New "Triumph," early	.25	
Silverspot	.25	
Golden-Leaved	.25	
SMILAX ... ¼ lb., 75c	.10	.30
STOCKS, Large-Flowering Ten Weeks, white, rose, light blue, crimson, dark blue, blood-red and extra choice mixed, each, ⅛ oz., 40c	.25	
"Cut and Come Again"	.25	2.00
White Column	.25	
Red Column	.25	
Snowflake, for forcing, white.	.50	
THUNBERGIA, mixed	.10	.30
VERBENA, Mammoth white, scarlet, rose, purple, each	.25	
Mammoth, mixd, extra choice	.15	1.00
Mayflower, best pink	.15	1.50
Defiance, fine scarlet, true	.10	1.00
"Vaughan's Best" mixture; there is no better or more complete mixture in existence ... ¼ oz., 50c	.25	2.00
VINCA rosea, rosea fl. alba, rosea alba pura and mixed, each	.15	.50

SWEET PEAS.

		¼-lb.	lb.
Mont Blanc, earliest white	5 lbs., $2.50	.20	.60
Emily Henderson	5 lbs., 1.00	.10	.25
Josephine White, an A1 white		.30	1.00
Blanche Ferry	5 lbs., 1.00	.10	.25
Extra Early Blanche Ferry	5 lbs., 1.00	.10	.25
Lady Grisel Hamilton, lavender		.10	.30

TEN PER CENT. DISCOUNT FOR CASH WITH ORDER AMOUNTING TO TWO DOLLARS OR OVER.

CHICAGO
84-86 Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
14 Barclay Street

Mention the Florists' Exchange when writing.

CHAS. F. MEYEF

19 BARCLAY STREET, NEW YOR

WHOLESALE IMPORTER OF

- **Lily of the Valley**
- **Roman Hyacinths and Pap Whites**
- **Dutch Bulbs**
- **Bermuda and Japan Lilies**
- **Azaleas and Palms**
- **Nursery Stock**

Azaleas from the celebrated nurseries o

The Ad. D'Haene Co., Ltd., Ghent.

15 per cent. each of the varieties Simon Mard and Mme. v. d. Cruyssen guaranteed.

MOTTO - High-Grade Quality.

Prices rock-bottom. Correspondence solicit

Mention the Florists' Exchange when writin

Established 1802.

Thorburn's Seeds

For over a hundred years have bee universally recognized as the standard o excellence.

JUST RECEIVED

Fresh Seed of

Latania Borbonica

Price, 60c. per lb., 10 lbs. for $4.50, 25 lbs. an over at 40c. per lb.

Price list of flower seeds for Florists maile on application.

J. M. THORBURN & CO.
36 Cortlandt St. New York

ASTER SEED

FLORISTS' SELECTED STRAINS

		Large Trade Pkt.	¼ Oz.
Aster	Queen of the Market, mixed	$0 15	$0 50
"	Queen of the Market, white, pink, purple and crimson	15	50
"	Semple's Branching, mixed, per lb. $6.00	15	50
"	Semple's Branching, shell pink, purple, lavender, crimson and white	15	60
"	Giant Comet, white, rose, red, yellow, light and dark blue, The Bride	25	1 25
"	Giant Comet, florists' choice mixed	20	1 00
Asparagus Sprengeri, per 100 seeds 15c.; 1000 seeds, $1.00; 5000 seeds, $4.50			
Asparagus Plumosus Nanus, just received, 100 seeds, $1.00, 1000 seeds, $8.00			
Giant Sweet Sultans (Centaurea Imperialis), lilac, white and deep purple or mixed		15	50

Special Offer **JAPANESE FERN BALLS** Long leaved variety, large size, per doz., $3.00, 100, $22.00, case (250 balls), $50.00

Get our prices on Begonias, Cannas, Gloximas and Gladiolus.

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

HIGH GRADE

FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

R. & J FARQUHAR & CO.

6 and 7 South Market St., Boston, Mass.

KENTIA SEEDS

Belmoreana, Fosteriana.

Fresh seed. Direct importation. Due to arrive within ten days

$4.00 per 1000, $35.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

See Our Advertisement of February 21

—FOR—

SEEDS, BULBS, Etc.

TO ARRIVE

CYCAS REVOLUTA Stems

From 1 to 20 Pounds.

Same reliable, long leaved stock we furnished for twenty years.

ADDRESS

H. H. BERGER & CO.

47 Barclay St., New York.

Mention the Florists' Exchange when writing.

CANNAS

President McKinley, President Cleveland, Chas. Henderson, Paul Marquant, Secretaire Chebanne, Alphonse Bouvier, Campbell, Chicago, Queen Charlotte, Mme. Crozy, Yellow Crozy, Golden Bedder, Florence Vaughan, same dwarf; Kronos, Allemania, Burbank, Orange Queen, Eldorago, Admiral Dewey, Duke of Marlborough, Alba Rosea, or Peach Blow, Mlle. Berat, Robert Cristy, Cuba, Gov. Roosevelt, Samuel Trelease, Defender, Childsii, Robusta, Cabos, Hillaire, Flamingo, 2-3 eyes, sound tubers, $1 25 per 100; $12.00 per 1000; 5000, $40.00 per 1000.

Cash with order.

C. G. NANZ, Owensboro, Ky.

1007 Walnut Street.

Mention the Florists' Exchange when writing.

CANNAS

50 very fine sorts.

DAHLIAS 35 very fine sorts.

GLADIOLI Very fine selected Groff's Hybrids, Lemoines, Childsii. Extra fine mixtures. Best named sorts.

MADEIRA VINES, OXALIS
Named sorts.

CINNAMON VINES.

PEONIES Our collection is one of the most extensive and carefully selected extant. Over 350 very finest kinds.

Geraniums, Carnations, Roses, Etc., Etc.
We aim to have the very best.

WRITE US FOR PRICES.
EVERYTHING TRUE TO NAME.

C. BETSCHER, Canal Dover, Ohio.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

EARLY BIRD

TOMATO

The earliest, smoothest and largest Early Tomato we ever introduced. Resists the rot and does not sunburn; wonderfully productive, of fine flavor. Every florist should have some plants in the spring for his particular and appreciative trade.

¼ oz. 50c.; ½ oz. 95c.; 1 oz. $1.75, post paid.

Florist Department,

D. LANDRETH & SONS

1217 Market St.,

PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

NOTICE

NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

LARGE SHADE TREES.

For Varieties and Prices see Wholesale List.

☞ Young Stock for transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

Cushman's Hybrid Gladiolus Bulbs

At practical Living Prices.
Write for List.

CUSHMAN Gladiolus Co.,
Sylvania, Ohio.

Mention the Florists' Exchange when writing.

USE **CARNATION BANDS** BE UP TO DATE

Just what you want for split blooms, so small as not to be noticed when holding the calyx together.

TRY THEM

2000 for 25c.; 4500, 50c.; 7000, 75c.; 10,000, $1.00.

Send for Special Price List of Florists

SEEDS, PLANTS and BULBS

HENRY F. MICHELL,

Seed Growers and Importers,

1018 Market St., Philadelphia

Mention the Florists' Exchange when writing.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

Spiræa Japonica, Compacta Multiflora, Astilboides Floribunda

$3.00 per 100.

DEUTZIA Lemoinei..........$15.00 per 100
LILACS, for forcing.......... 35.00 "
AZALEA Mollis.......... 40 00 "
" **Pontica**.......... 45 00 "
ROSES, best varieties.......... 10.00 "

FERN BALLS, large, 7-9... $22.50 per 100
" " extra, with tin cups 35.00 "
TUBEROSES, the Excelsior Pearl, 4-6, $7.00 per 1000; 3-4, $3.00 per 1000

Prices on all Spring Bulbs & Plants cheerfully given

F. W. O. SCHMITZ, Prince Bay, N. Y.

Mention the Florists' Exchange when writing.

DREER'S

SUMMER FLOWERING BULBS.

BEGONIAS, TUBEROUS ROOTED.

- **Single**—White, crimson, rose, yellow and orange, 40c. doz.; $3.00 per 100; $25.00 per 1000
- **Single, Finest Mixed**—35c. doz., $2.50 per 100; $22.00 per 1000.
- **Double**—Scarlet, rose, white and yellow, 65c. doz.; $5.00 per 100; $40.00 per 1000
- **Double, Finest Mixed** 50c. doz., $4.00 per 100; $35.50 per 1000.
- **Duke Zeppelin** Bright scarlet bedder, 20c. each; $2.00 per doz., $15.00 per 100.
- **New Frilled** Beautifully fringed like a single Petunia, 25c. each; $2.50 per doz.; $20.00 per 100.

CALADIUM, Fancy Leaved 25 named sorts, $1.25 doz.; $10.00 per 100. Choice mixture, $1.00 doz., $8.00 per 100.

CALADIUM Esculentum Elephant's Ear

	Doz.	100		Doz.	100
6 to 8 inches in cir.,	40c.	$3.00	10 to 12 inches in cir.,	90c.	$7.00
8 to 10 " "	65c.	5.00	12 to 13 " "	$1.25	10.00

GLOXINIAS Finest strain, choice bulbs, in red, white, blue or in choicest mixture, 50c. doz.; $4.00 per 100, $35.00 per 1000.

ISMENE Calathina $1.50 doz., $10.00 per 100.

LILIUM Auratum 8 to 9 inch, 75c. doz., $5.00 per 100. 9 to 11 inch, $1.00 doz., $8.00 per 100. 11 to 13-inch, $1.75 doz.; $14.00 per 100.

LILIUM Speciosum Album 8 to 9 inch, 75c. doz.; $6.00 per 100.
" " **Rubrum** 8 to 9-inch 75c. doz.; $6.00 per 100.

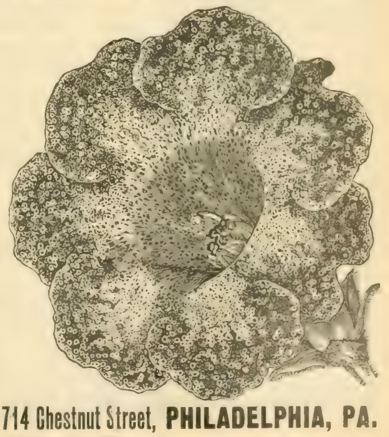
GLADIOLUS American Hybrids, Choicest Mixed, $1.00 per 100, $9.00 per 1000.

MONTBRETIA Six choice named varieties, 25c. doz.; $1.75 per 100; $12.50 per 1000.

TIGRIDIA Conchiflora, Grandiflora alba, Pavonia—$2.00 per 100; $15.00 per 1000.

TUBEROSES Double Pearl, 1st size, $1.00 per 100; $9.00 per 1000.
" " " 2nd " 50 " 5.00 "

For complete list see our Wholesale Price List free to florists.



HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Aster Seed

of excellent quality. Semple's Fine Branching, Mixed, 8 lbs., $4.50 per lb. The lot for $4.00 per lb.; oz., 50 cents. Flowers will sell on sight.

C. W. TURNLEY, 535 Federal St., Camden, N. J.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS

LIST FREE ON APPLICATION

FRED. ROEMER, Seed Grower

Quedlinburg, Germany

Mention the Florists' Exchange when writing.

50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.

10,000 strong Fall runners of **Campbell Violets**, $10.00 per 1000.

Madeira Roots and **Gladioli**, $1.00 per 100.

Tritoma Uvaria, strong field roots, $6.00 per 100.

Shrubs and **Vines**. Send for List.

CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa

Mention the Florists' Exchange when writing.

New Crop Flower Seeds

ASTERS. Comet, Empress Frederick, dwarf and compact, fine for pots, flowers pure white, diamer 4 to 5 inches. Pkt. 20 cts.; 3 for 50 cts.

SEMPLE'S BRANCHING, home grown, white, shell pink and lavender. ¼ oz. 30 cts.; oz. 75 cts.

QUEEN OF MARKET, best German, in colors ¼ oz. 25 cts.; oz. 75 cts.

LARGE VICTORIA, best German, in colors. Pkt. 25 cts.; ¼ oz. 65 cts., oz. $2.50.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS

$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

SHAMROCK

SOMETHING NEW.

From cemetery of Downpatrick, Ireland.

Plants, from 2¼ in. pots, $4.00 per 100; $35.00 per 1000; 250 at 1000 rate.

Cash with order. Order early, as stock is limited.

J. D. HARCOURT'S SON, Wappingers Falls, N. Y.

Mention the Florists' Exchange when writing.

Fern Balls

FRESH LOT

JUST IN

Write for Prices

Jackson & Perkins Co.

NEWARK, N. Y.

Mention the Florists' Exchange when writing.

BEGONIAS

TUBEROUS ROOTED

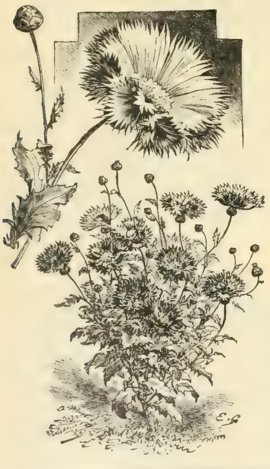
	Per 1000	Per Doz.	Per 100
Single, separate colors	$25 00	$0 40	$2 75
Double, " "	45 00	65	5 00
Single, Mixed	22 00	35	2 50
Double, "	38 50	50	4 00
CALADIUM Esculentum			
Medium, No. 2		$0 75	$5 00
Large, No. 1		1 15	8 00
Extra Large		2 00	15 00
CALADIUM			
Fancy Leaved		$1 25	$10 00
GLADIOLUS			
Red shades	$9 00	$0 20	$1 00
Pink "	12 50	20	1 50
Yellow "	24 00	35	2 50
White and light shades	15 00	25	1 75
Striped and variegated shades	18 00	30	2 00
American Hybrids	10 00	20	1 25
Fine mixed	9 00	15	1 00
GLOXINIA			
Choice mixed		$0 50	$4 00
TUBEROSES, Mammoth			
Excelsior Pearl, double	$10 00	$0 25	$1 50
Large	6 50	15	1 00
No. 2	3 50	10	60

FLORIST DEPARTMENT,

D. LANDRETH & SONS

1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.



ROYAL

SWEET SULTANS

(Centaurea Imperialis.)

The beautiful, artistic, sweet scented flowers are borne on long, strong stems and when cut stand for a week in good condition. A splendid thing for cutting during April, May and June. Should be sown at once. We can supply in the following colors:

	Trade Pkt.	Oz.
PURE WHITE	$0.20	$0.75
DELICATE LILAC	.20	.75
BRILLIANT ROSE	.20	.75
DEEP LAVENDER	.20	.75
DARK ROSE	.20	.75
DEEP PURPLE	.20	.75
FINEST MIXED COLORS	.20	.60

There is still time to sow **Ageratums, Petunias, Lobelias, Pyrethrum, Verbenas, Vincas, etc., etc.**

Our Wholesale Price List gives a complete list; if you have not a copy we will send you one on receipt of your business card or other evidence showing that you are entitled to receive it.

DREER

714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

SHAMROCK

Strong and fine plants, just right for St. Patrick's Day. $4.00 per 100; or 60 cts per doz. by mail.

XXX SEEDS

Phlox Pumila Compacta. Very dwarf and compact; grand for pots; in finest colors, mixed. Trade pkt. 25c.

Alyssum Compactum. The most dwarf and compact variety grown; perfect little balls when grown in pots. Trade pkt. 25c.

Chinese Primrose. Finest large-flowering fringed varieties, mixed; single and double. fifteen vars., 500 seeds, $1.00; half pkt., 50c.

Pansy, Finest Giants. The best large-flowering varieties, critically selected; mixed, 5000 seeds, $1.00; half pkt., 50c.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

Onion Seed

I have 2000 pounds of Yellow Strausburg and Yellow Globe Danvers **ONION SEED**; grown from selected bulbs, in 1902. Quality guaranteed. For prices write to

John Repp, Glassboro, N. J.

Mention the Florists' Exchange when writing.

W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON MASS.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W RAWSON & CO., Seedsmen, Boston, Mass.

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

Aster Seed

Semple's finest mixed, 50 cts. per oz.; $5.00 per lb.

VIOLETS, rooted runners, Marie Louise, Lady Campbell and Imperial, 50 cts. per 100; $4.00 per 1000.

CINERARIA, Rupp's Strain, 4 in., $5.00 per 100.

DAISIES (Bellis), fine plants, 40 cts. per 100; $3.00 per 1000

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower, Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

HELLER'S
MICE
PROOF
SEED
CASES.

Send for Prices

HELLER & CO.

MONTCLAIR, N. J.

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,

MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

BARGAIN IN DAHLIAS

WHILE THEY LAST

Large roots of Wm. Agnew, C. W. Bruton, A. D. Livoni, Nymphæa, Black Prince, Snowclad, Prince Charming, at $2.00 per 100; $14.00 per 1000.

CASH.

Mrs. S. H. RAYNER, Greenport. N. Y.

Mention the Florists' Exchange when writing.

DAHLIAS.

25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

Mention the Florists' Exchange when writing.

30,000 DAHLIAS

Whole field-grown clumps, $4 00 per 100; $36.00 per 1000. Send for list, we can save you money.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

BULBS! BULBS! BULBS!

50,000 Caladium Bulbs, to close out at once. Also write us for contract prices on Tuberoses, Fall delivery.

STALLINGS & JOHNSON, Wallace, N. C.

Mention the Florists' Exchange when writing.

High Grade Forcing Bulbs

G. VLASVELD & SONS,

Sassenheim, Holland.

Growers of Superior Hyacinths, Tulips and Daffodils

Address all communications care

Messrs. Maltus & Ware, 136 Water St. New York.

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed	$0 40	$3 00
Cobæa Scandens	30	2 50
Centaurea, Marguerite, choice mixed	50	
Centaurea, Imperialis, choice mixed	40	
" Chamelon	60	
Double Morning Glory, White Tassell	40	4 00
Eschscholtzia, The Golden West	30	3 50
Hunnemannia, Bush Eschscholtzia	30	3 50
Geranium, Good Venture, magnificent large flowers, grand mixed. Per pkt., 25c.	3 50	
Geranium, choice mixed	2 00	
" good mixed	35	
Heliotrope, choice mixed	40	4 75
Romneya Coulteri, Matilija Poppy	50	6 50
	100 seeds.	1000 seeds.
Farfugium Grande	$0 50	
Geranium, double, grand mixture	50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed		25
Petunia, double fringed, choice mixed		70
Phormium Tenax, Colensoi, variegata		1 00

Mention the Florists' Exchange when writing.

Burpee's Seeds, Philadelphia

A postal addressed as above will bring you **Burpee's Farm Annual for 1903**,—if you intend to buy **Burpee's Seeds**,—otherwise the price is ten cents, which is less than cost per copy in quarter-million editions. It is an elegant book of 184 pages, besides beautiful colored plates, and tells the plain truth about the Best Seeds that Grow. Better **write TO-DAY! Do not Delay!**

BLUE LIST OF WHOLESALE PRICES mailed only to those who plant for profit.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; C. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

NEW YORK.—Henry Nungesser & Co. have just received a shipment of two carloads of Turkestan alfalfa, which the firm bought direct from the growing districts in Asia. It is said to be a seed new to this country, for which there is a good demand here.

BINGHAMTON, N. Y.—The Binghamton Seed Company has been incorporated, with a capital stock of $50,000. Incorporators: William B. Cleves, Willard M. Camp, and Phillip Lawrence.

OTTUMWA, IA.—The Ottumwa Seed Company will be permanently located at 121 West Second street. This concern is composed of C. H. Lane, of St. Joseph, Mo., who formerly conducted a similar business in King City, Mo., and G. L. Bissel, who was last year identified with the Sioux City Seed Company in Ottumwa.

Advices from Holland to an English contemporary state that "from investigations it appears that in many places the young stock of hyacinth bulbs has been killed right out, but those that are to be saleable bulbs are still alive. No doubt considerable damage has been done to the bulb crops generally, but to what extent cannot be said until we are six weeks further advanced. The seedsmen are now working under high pressure, and the extreme scarcity of some items is already causing much inconvenience. Spring shipments of plants have not yet commenced, but judging by the orders placed, it is evident that no surplus is to remain on the hands of the growers, and even the common spiræa are bringing higher prices than in the Autumn of last year."

European Notes.

We are at present passing through a period of very fine warm weather, which, acting as a tonic to trade, is causing the seedsman to be very busy. So warm, indeed, have the days been that the earlier varieties of cabbage have already commenced to run, and in some cases are showing their blooms. With the probability of more hard weather ahead (and we hear of snow and frost in the mountainous districts) growers are rather anxious and fear they may yet lose part of their crops.

In Holland the raisers report some damage to bulbs by the severe early frosts, but at present it would seem to affect only the very young bulbs, and no appreciable shortage on this year's delivery is anticipated.

The death is announced of A. J. Stokes, of London, who died, suddenly, on February 7, in his 91st year. Mr. Stokes represented James Carter, Dunnett & Beale in this country for a period of fourteen years, commencing from about 1868, and, although unknown to the most of the present seed trade, there are several of its older members who will remember his kindly smile and genial ways. He retained his full faculties to the last and, as he had been in the seed trade all his life, his reminiscences of old firms and bygone times were most interesting, and he used, in those days, to take large orders with many lines, prices open to be arranged when the seeds were harvested, a system that would not cut much ice in these days of keen competition. He was well known on your side some 18 or 20 years ago.

EUROPEAN SEEDS.

Novelties at Ventura, Cal.

A local paper, speaking of some of the novelties obtained by Mrs. Theodosia B. Shepherd, of Ventura-by-the-Sea, Cal., mentions a giant climbing begonia that spreads itself 15 feet over a trellis and produces blossoms two inches in length. The flowers are a soft, beautiful pink and so numerous that at times 150 clusters of buds and blossoms can be counted. Other novelties in flowers secured by Mrs Shepherd are giant cosmos with flowers five inches across, California poppies measuring four to six inches in diameter, climbing nasturtiums with crepe-like flowers 3½ inches broad, chrysanthemums, dahlias, etc. Some idea of the extensiveness of Mrs. Shepherd's work can be gathered from the fact that in her latest catalogue of seeds, bulbs and plants over 80 varieties of geraniums are described, many of which are new.

CATALOGUES RECEIVED.

JOHN D. IMLAY, Zanesville, O.—Illustrated Catalogue of Seeds and Plants.

L. TEMPLIN & SONS, Calla, O.—Catalogue of Seeds, Bulbs, Plants, etc. Illustrated.

JOHN H. DUNLOP, Toronto, Ont.—Catalogue of Roses, Carnations, and Violets. Illustrated.

T. C. THURLOW & CO., West Newbury, Mass.—Catalogue of Nursery Stock, Fruit Trees, Small Fruit, etc.

CEDAR HILL ORCHARD AND NURSERY COMPANY, Winchester, Tenn.—Surplus List of Nursery Stock.

W. W. BARNARD & CO., Chicago, Ill.—Illustrated Catalogue of Flower, Garden and Field Seeds, Plants, Nursery Stock, etc.

JAMES C. MURRAY, Peoria, Ill.—Illustrated Catalogue of Fruit Trees, Ornamental Shrubs, Roses and other Plants, Seeds, etc.

PLANT SEED COMPANY, St. Louis, Mo.—Illustrated Catalogue of Flower and Garden Seeds, etc., with lists of novelties and specialties.

ROBERT HOLMES, Norwich, England.—Illustrated Catalogue of Chrysanthemums, including all the Novelties of Australia, England and America.

THE CALIFORNIA ROSE COMPANY, Los Angeles, Cal.—A very complete descriptive Catalogue of Roses, beautifully illustrated.

PARSONS & SONS CO., Flushing, N. Y.—Catalogue of Deciduous Trees, Shrubs, Rare Evergreens, Japanese Maples, and Rhododendrons—a very complete catalogue.

THE GEO. A. WEAVER COMPANY, Newport, R. I.—Illustrated Catalogue of Seeds, Plants, Supplies, etc., with a comprehensive list of novelties. Particularly interesting is the collection of Cactus Dahlias, with accompanying cultural directions.

Rooted Cuttings

COLEUS, $6.00 per 1000.

GERANIUMS. $15.00 per 1000; 2¼ in. pots, $20.00 per 1000.

ROSES **Bridesmaid**, 2½ in. pots, $2.50 per 100. **Bride**, 2½ in. pots, $2.50 per 100.

Cash with order.

PAUL FISCHER, Wood Ridge, New Jersey

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, assorted	$0.60	$5.00
" **Verschaffeltii**, red and yellow	.70	6.00
Geraniums	2.00	15.00
" Mme. Salleroi	1.25	10.00
Ageratum, Stella Gurney	.75	6.00
Alyssum, double	1.00	8.00
Impatiens, the Queen	3.00	

Send for list of Chrysanthemums and Carnations.

Central Michigan Nursery,
KALAMAZOO, MICH.

Mention the Florists' Exchange when writing.

SPECIAL

Verbena Giant. 10 kinds, R. C., 50 cts. per 100; 2 in., $2.00 per 100.

Double Petunia. 15 sorts, 2 in., $2.00 per 100. R.C., $1.25 per 100.

ALTERNANTHERAS, red and yellow, Rooted Cuttings, 60 cts. per 100.

GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants, $2.50 per 1000.

DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SWAINSONA ALBA, 2 in., 2 cts.

SALVIAS, 4 vars., R. C., 75c. per 100.

REX BEGONIA, in variety, R. C., $1.00 per 100.

AGERATUM, 5 kinds, R. C., 60c. per 100.

STEVIA SERRATA, R. C., 75c. per 100.

VINCA, variegated, R. C., 60c. per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

ANTHEMIS CORONARIA

Double Dwarf Golden Marguerite, $2.00 per 100, by mail

J. W. MORRIS, - Utica, N. Y.

1000 Mme. Salleroi Geraniums

From soil, ready for 2½ in. pots, $20.00 per 1000.

500 Golden Margurites "True"

2½ in. pots, $4.00 per 100.

JOHN BURR, Freeport, Maine

GERANIUMS.

Double Gen. Grant, S. A. Nutt, Poitevine, out of 2½ in pots, all strong plants, $3.00 per 100; $25.00 per 1000.

Ageratum, three varieties, **Alternanthera**, red and yellow, $2.00 per 100; $18.00 per 1000.

Cash with order, please.

M. H. KRUSCHKA, Elberon, N. J.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Coleus, 20 varieties, 1000, $5.00; 100, 50c.

Crimson Verschaffeltii and Golden Bedder, 1000, $6.00; 100, 60c.

	100
Fuchsias, 25 varieties	$1 00
Double Petunias	1 25
Heliotropes	1 00
Vinca Variegata	1 00
Salvias	75
Giant Sweet Alyssum	60
Ageratum, Pauline and Gurney	60

Cannas, Queen Charlotte, Crozy, Marlborough, F. Vaughan, Henderson, Burbank, Cabos and others, 2 to 3 eyes, $15.00 per 1000; $1 50 per 100.

Vinca Variegata, 2 in. pots, $2.00 per 100; 3 in. pots, $4.00 per 100; 4 in. pots, $6.00 to $8.00 per 100.

Geraniums, Mme. Salleroi, 2 in. pots, $2.50 per 100.

Pelargoniums, 2 in. pots, Victor, Layal, Surprise, $3.00 per 100.

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.

(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

GERANIUMS Fuchsias Petunias Sage, Etc.

Planted in pots sent with little soil. Landry, Nutt, Buchner, Ricard, Poitevine, Perkins, J. P. Cleary, Dryden, Hill other finest [illegible] $15.00 per 1000 assorted. List free.

COLEUS Very brightest fancy, $5.00 per 1000. G. Bedder and Queen, 50c. per 100.

CANNAS Scarlet, white, yellow, crimson and gold edged, roots, $1.25 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000.

Extra strong transplanted, from soil, 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt**, at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard**, at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin**, at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS 20 of the BEST VARIETIES.

BEGONIA REX (all sizes), ASPARAGUS PLUMOSUS, FERNS, Pteris.

Fuchsia, Alyssum, Abutilon Savitzi, Cyperus, Hydrangea, Dracæna Indivisa, Coleus, Cyclamen (twice transplanted).

Before placing your order for any of the above, write us for price list.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS, COLEUS, PETUNIAS

CHRYSANTHEMUMS, ETC.

FIRST CLASS STOCK FROM 2¼ INCH POTS

GERANIUMS

DOUBLE.

Centaure, Comtesse de Harcourt, Double General Grant, Le Cid, John Doyle, La Favorite, Jean Viaud, Marquis de Montmort, Mme. Landry, S. A. Nutt and other varieties.

SINGLE.

Granville, Jacquerie, Mme. Bruant, Queen of the West, Single Gen. Grant, and other varieties.

$2.00 per 100; Our Selection, 1000 for $17 50

SCENTED.

Rose, Balm, Nutmeg, Lemon and Oak Leaved, $3.00 per 100.

COLEUS

Golden Bedder, Golden, Pink and Crimson Verschaffeltii, John Pfister and Annie Pfister, Massey and 10 other varieties, $2.00 per 100.

PETUNIAS

Single Fringed	$2.50 per 100
Double Fringed	2.50 "
Double Named	3.50 "

CHRYSANTHEMUMS

Autumn Glory, Colonel D. Appleton, Eureka, Glory of the Pacific, Mrs. Perrin, Mrs. O. P. Basset, Mrs. Murdock, Wm. H. Lincoln, Bessie Burton and others, ready now, $2.00 per 100.

POMPON CHRYSANTHEMUMS, 50 varieties, $2.00 per 100.

MISCELLANEOUS GREENHOUSE PLANTS

	2¼-IN. POT, PER 100
Abutilon, in Variety	$2.50
Achyranthes, in Variety	2.00
Ageratum { Stella Gurney and Dwarf White }	2.00
Alyssum { Giant Double and Dwarf Double }	2.00
Alternanthera, in Variety	2.00
Cannas, Dormant roots, mixed, $1.00 per 100. Named	2.00
Dahlia Roots, our selection, Strong Field-Grown Roots, $4.00 per 100. Purchaser's selection	5.00

	2¼-IN. POT, PER 100
Fuchsias, in Variety	$3.00
Forget-me-not, Large Flowering, Blue, from 2½ in. pots, $2.50 per 100	
Hardy English Ivy	2.00
Lantana, 10 Varieties	2.00
Lemon Verbena	2.50
Salvia, Silver Spot, Bonfire and Splendens	2.00
Smilax	2.00
Swainsona Alba	2.00

(Rooted cuttings of Hardy English Ivy, 75 cts. per 100; $5.00 per 1000.)

NOT LESS THAN FIVE OF ANY ONE VARIETY SOLD. SEND FOR TRADE LIST OF FULL LINE OF GREENHOUSE AND BEDDING PLANTS. CASH WITH ORDER.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Union County Nurseries, **HIRAM T. JONES,** ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America.
All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

At Reduced Prices.

STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, Rochester, N. Y.

Mention the Florists' Exchange when writing.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 25c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Tennis Ball, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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MAPLES

50,000 Straight, Smooth, Handsome Maples.

NORWAY.

	10	100
6 to 8 ft.	$2.50	$20
9 to 10 ft., 1 to 1¼ in. cal.	3.50	30
10 to 12 ft., 1½ to 2 in. cal.	4.50	40
12 to 14 ft., 2 to 2½ in. cal.	7.50	60
12 to 14 ft., 2½ to 3 in. cal.	10.00	90

ENGLISH SYCAMORE.

	10	100
6 to 8 ft.	$2.00	$18
8 to 10 ft., 1½ to 1¾ in. cal.	3.00	25
10 to 12 ft., 1¾ to 2 in. cal.	4.00	35
2 to 2½ in. cal.	5.00	45
2½ to 3 in. cal.	10.00	75

SUGAR.

	10	100
9 to 10 ft.	$2.00	$15
10 to 12 ft., 1¼ to 1½ in. cal.	3.00	25
12 to 14 ft., 1½ to 1¾ in. cal.	4.00	35
12 to 14 ft., 1¾ to 2 in. cal.	6.00	50
12 to 14 ft., [illegible] in. cal.	10.00	75
12 to 14 ft., 2 to 2¼ in. cal.	12.50	100

SILVER-LEAVED.

	10	100
6 to 8 ft.	$1.25	$10
8 to 10 ft.	2.00	15
10 to 12 ft., 1 to 2 in. cal.	3.00	25
[illegible] in. cal.	4.00	35
[illegible] in. cal.	7.50	50

Will pack in bundles or boxes at cost of material and labor, or will pack in bulk in cars free of charge.

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

DEATH OF S. CRANE, FORMER OWNER.

Forced Sale of NURSERY STOCK

Imperative removal of Main Nursery makes Bargain Prices possible and necessary.
Send list of wants, Ornamental Stock.

NORWICH NURSERIES,

O. E. RYTHER, Propr. NORWICH, CONN.

E. G.—Norway Maples, 12 ft., $25.00 per 100.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,

JERSEY CITY, N. J

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

FINE GRAFTED **ORANGES** BEARING SIZES

12 in., Bushy, from 4-in. pots. .... $20 00 per 100
15-18 in., " " " ...... 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots ....$20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots.......$20 00 per 100
18-24 in., " " " .... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each.

ROSES.

Climbing Clothilde Soupert, Strong field-grown .... $10 00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms Earlier and Lasts Longer - Strong plants from 3-in. pots.......$8.00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in.............................$20 00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs., 3-in. pots..........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4 in. pots .... $15 00 per 100
(Not less than 40 of a class at 100 rate)

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts ..$15 00 per 1000

CITRUS TRIFOLIATA

Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in. $8 00 per 1000
(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,

Fruitland Nurseries, Augusta Ga.

(Established in 1856.)

Mention the Florists' Exchange when writing.

FANCY-LEAVED

CALADIUMS

A list of 75 varieties in cultivation. Orders booked now for December delivery of bulbs. Send for list and prices.

Phrynium Variegatum, elegant variegated green and white foliage plant valuable for bedding out, or for use as individual specimens with palms, etc. Strong tubers now ready, 100, $4.

Crinums, Amaryllis and other bulbous stock in variety at low prices.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

Surplus Nursery Stock

Apple, Peach,
Norway Maple, Irish Juniper,
Abundance, Hale Plum.

Address

C. L. LONGSDORF, Adams County, Floradale, Pa.

Mention the Florists' Exchange when writing.

HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

W. MAUGER & SONS. Guernsey. England.

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W. & T. SMITH COMPANY

Geneva, N. Y.

WHOLESALE GROWERS OF

Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.

Send for our Wholesale Price List.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

In Fine, Healthy Condition.

PLEASE ASK FOR OUR CATALOGUE.

ENDTZ, VAN NES & CO., Boskoop, Holland.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

EVERGREEN

An *Immense Stock* of both large and small sized *EVERGREEN TREES* in great variety; also *EVERGREEN SHRUBS.*

Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

Summer Flowering Spiraeas.

The fact that Spring flowering shrubs must not be pruned to a great extent after they have done growing, and that Fall blooming ones may be so pruned, has been reverted to so often that it needs no elaboration now. But there is an intermediate class, largely represented by Summer blooming spiraeas which give satisfaction treated either way. Taking callosa, Billardi, paniculata and Bumalda as representatives of this class, a good pruning in Spring will cause a heavy production of flowers in late Summer and Autumn, and some of the plants will continue in bloom until freezing weather, should there be a favorable Fall season.

Leaders to Evergreens.

Nurserymen and all others who import or purchase evergreens should be particular to stipulate that there should be a good leader to each plant. From various causes, many of them, especially the firs, are apt to lose their leaders, and when this occurs there is less prospect of a good sale. It sometimes takes several years before a good leader is again in place. In one way, it is not a loss, as the tree is making side growth all the time; but there is no gain in height until a leader appears. The way to provide a new leader is to secure a stake to the tree, to which is tied the most promising side shoot nearest the top. It takes some time for this shoot to understand what it is to do, but it does so at last, and proceeds to lead the tree.

Cutting Back Privet Hedges.

Occasionally one sees privet hedges cut back in early Winter, or before Winter is over. This is not the best thing to do. There is the protection during Winter to be gained by leaving the cutting back until later; besides that, the snows of the season are apt at times to disarrange or injure the branches, and when Winter is over, just what to do can be better determined. Let all such hedges, or individual bushes go until the close of Winter, but cut them back before the buds swell in Spring.

Do not be afraid of cutting away too much of a privet hedge. The harder it is cut the more vigor will the new shoots have. If thin at the bottom, cut it down to within six inches of the ground, then in June, and again in Midsummer, nip off the ends of growing shoots, and a good bushy base will result.

Similar treatment is to be recommended for all deciduous hedges or bushes. Let the Winter pass; then prune immediately, before the buds swell. If let go until buds are bursting, there is a loss of time while waiting for new buds to form. With us, we think the second week of March the proper time to do the work.

WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce, etc., specialties. Only house dealing exclusively in these goods. Correspondence solicited.

Archdeacon & Co., 100 Murray St., N. Y.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm J. Chinnick, Trenton, N J.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

CANNAS
LARGE, DORMANT ROOTS
Two, Three and More Eyes

We have them in quantity. **25 acres planted in 1902. Standard Sorts—Your Choice—Too well known to need description. 30 cts. per doz.; $2,00 per 100; $15.00 per 1000.** No less than 20 at 100 rate; 200 at 1000 rate.
Mme. Crozy, Paul Marquant, Burbank, Chas. Henderson, Alphonse Bouvier, Peachblow, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria, Alsace, Morning Star.
See front page of cover for all other Spring Bulbs and similar prices.

CLUCAS & BODDINGTON CO.
812-814 Greenwich St., Cor. Jane St., NEW YORK CITY
Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants. Telephone 4390 Spring

Mention the Florists' Exchange when writing.

Increasing Japanese Maples.

There are three ways of increasing Japanese maples—by grafting, layering, and inarching. For grafting and inarching the common green form, A. polymorphum, is to be recommended. Grafting may be performed indoors during Winter, or in early Spring on outside plants. Inarching and layering are in order in June and later, when the new wood is of sufficient length.

There is a growing demand for these maples, because of their extreme beauty in early Spring, when the leaves are fairly developed. Too much shade is against the display of the best color. On the other hand, the full sun in Midsummer is apt to burn the foliage. A partially shaded place is the best for them.

Beauty of the Red Cedar.

Because the red cedar is common it is not as much thought of as the Irish and the Swedish juniper, which in its younger years it much resembles in style of growth. Of like pyramidal outline, it has a broader base, which to many would enhance its value. Those who have it on their grounds usually prefer it to the junipers mentioned, both for the character described and because it does not lose a branch here and there by fungus or any other cause, which junipers sometimes do, much to their disfigurement.

Western nurserymen grow this cedar in large quantities, there being a good demand for it for setting out for commercial purposes.

Carolina Buckthorn.

The name, buckthorn, has been so long associated in our minds as a name for a hedge plant, that to think of it as an ornamental shrub is not common. Yet the common buckthorn, Rhamnus cathartica, is not to be despised as a lawn shrub, being of much beauty when crowded with its black berries in Autumn, as it often is. But better than it, and the best of all the buckthorns I know, is the Rhamnus carolinianus, the one known as the Carolina buckthorn. Its foliage is handsome, large, shining, and turning to a brilliant orange brown in Autumn. Its chief charm, however, is its lovely berries. Following the small, greenish-looking flowers, they are green at the start, becoming a brilliant red, and from this to a shining black at last. These berries, backed by the luxuriant foliage, which keeps fresh till freezing weather comes, are extremely ornamental. Its natural home is in the mountains of North Carolina and Tennessee and through the South. It is quite at home in Pennsylvania in its hardiness. If the seeds are gathered as soon as ripe, washed free of pulp and sown at once, they sprout in Spring.

The persistency of its foliage in late Autumn suggests its being almost evergreen in sheltered places further south.

Propagating the Peony.

The propagation of the herbaceous peony is well understood, being nearly altogether by division of the strong plants. They can also be raised from seed, and in this way will give a large lot of pretty kinds, the most of which will be single-flowered.

The tree peony is always in demand, not alone for its beauty, but also because, its propagation being slower, it is always difficult to obtain fair-sized plants of it. Then, too, it is such a very slow grower that after it has been increased it is years before the plants make an appearance to attract a customer.

Division of the herbaceous sorts is better done in Autumn than in Spring, and early in the season rather than late. The peony starts into growth so early in Spring that if the dividing of plants be left until then, it is very apt to be too late. As many divisions as desired may be made, so that each eye has a perfect root attached to it.

Seeds should be sown indoors, in boxes, in late Winter. They will hardly make growth enough that it would be wise to set them out the first season. Better transplant the Spring following. Sometimes some very good kinds are the result of a bed of seedlings, and always there are a lot available for many a position in a garden.

The tree peony, not being herbaceous, has a different habit of growth, and cannot be increased in the way single ones are. Large plants may be planted deeply, so that rooting may take place from the shoots thus buried, and in this way there will be as many plants as there are shoots, when divided. In addition to this method there is that of grafting. Fleshy roots of herbaceous sorts from a batch of seedlings, perhaps—make the stock. The end shoots of the tree peony should be used, preferably, and should be inserted, wedge shape, into the fleshy root. Waxed and placed in a warm place, the union just below ground, success is usually very fair. In Europe, the close of Summer is looked on as the most suitable time. Here, it has been found that late Winter is a good time, the grafted plants, being placed in gentle heat, rarely failing to unite.

JOSEPH MEEHAN.

Pittsburg.

Carnation Society's Convention Echoes

The members who attended the Carnation Society's meeting in Brooklyn arrived home Sunday morning in good time for breakfast. Every one was well pleased with the trip. The cold weather did not interfere with their pleasures. During the stay a trip was made to Dailledouze Bros.' place, where the visitors were shown around and entertained by Messrs. Dailledouze. Their establishment was in fine shape, the plants being in good condition, with a crop of fine blooms. The best way to find the Dailledouze place, we were told, was to ask for the lunatic asylum, and it was just on the opposite side of the street. We started out and made the first inquiry at the Brooklyn bridge. Others several times thereafter. Everybody who was asked knew exactly how to direct us, but they smiled and passed some remark.

On Saturday a party of 25 or more visited C. W. Ward's place. Reaching the station sleighs were in waiting and the party was taken to the greenhouses not far distant.

Superintendent of Parks W. Falconer spent a few days East last week, just before the Carnation Society's meeting.

J. W. Ludwig expects to go East Sunday to look around for something new for Easter trade.

The next meeting of the Florists' Club takes place Tuesday, March 3. It will be carnation night. A good show of cut blooms has been promised, and any one who has anything worthy of exhibiting should bring or send it in. Those members who were present at Brooklyn will tell all about the carnations that were exhibited there.

E. C. REINEMAN.

Milwaukee.

The retail florists of Milwaukee have declared open war upon the wholesale florists, who are alleged to have been encroaching upon the retailers' trade. The retailers have not perfected a plan of campaign, but a number of them met on Thursday night, February 19, and organized the Milwaukee Retail Florists' Association, of which William Currie is the president; William Edlefsen, vice-president, and Mrs. Ida Baumgarten, secretary. There were fifteen retail dealers present at the meeting, which was held at the Kirby House. James Chacona presided.

Calla, O.

Miss Carrie Bertolette has accepted a position in Templin's greenhouse establishment here. She is a graduate of Salem Business College.

Buffalo.

News Notes.

Business has recently inclined to the active, prompted considerably by calls for funeral occasions. Blooms are showing up in better quality almost daily. At Palmer's we noticed some specially fine pink sweet peas, of the Dailledouze strain.

The attendants at the Carnation Society's meeting W. J. Palmer, W. F. Kasting and William Scott give enthusiastic reports of the affair, especially in the matter of improved blooms; with mention, also, regarding the changed development of the larger-sized individual houses of leading growers in the vicinity, which most emphatically betoken development of a lasting nature.

After a three months' effort, Thomas Coleman, of 483 Main street, evidently decides the business is not all profit and glory, as the store with closed doors would indicate his retirement from the enterprise.

Phillip Latour, a long-time resident here, and locally known as a retail florist covering many years, died on Tuesday of this week at his home on Parade avenue. He had reached the age of sixty-five years, leaving a widow and five sons and daughters, one of the latter being Mrs. W. F. Kasting.

Carl Hagenburger, of West Mentor, Ohio, spent Wednesday here, on return from the Carnation Society's meeting. Other recent visitors included Martin Reukauf, representing Bayersdorfer & Co., and E. J. Fancourt, of S. S. Pennock, both of Philadelphia. VIDI.

CINERARIAS

Dwarf and semi-dwarf Giant flowered. Fine stocky plants, from 2½ in. pots, $2.50 per 100; 3 in. pots, $4.00 per 100. All of them ready for 5 inch, will make fine selling plants for Easter.

CANNAS Dormant Strong tubers, Mme Crozy, Austria, Henderson, Bouvier, P. Marquandt, Burbank, Black Prinz, Alba rosea, etc. $1.50 per 100; $12.00 per 1000. Cash, please.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

Mention the Florists' Exchange when writing.

Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
IVY GERANIUM, 6 fine vars., R. C.	1 50
FUCHSIAS, 12 vars., R. C.	1 25
STROBILANTHES DYERIANUS, R. C.	$1 25 and 1 50
GAZANIA SPLENDENS, R. C.	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and AUSTRALIS, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONA GALE, alba and rosea	1 25
FLOWERING BEGONIAS, 8 vars	1 50

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

TARRAGON and SAGE

TARRAGON
The True sort, mail plants . . . . $3.50 per 100
The True sort, field-grown plants . . . . 5.00 "

HOLT'S MAMMOTH SAGE
The best variety, stocky, handsome plants from frames, $3.00 per 100

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each.
$7.50 per Dozen; $50.00 per 100. Stock limited.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; **$100.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. One-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30 00 per** 100. Two-year field plants, 3 to 3½ ft., **Bushy, $7.00** per doz ; **$50.00** per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

ESTELLE

AN ORDER WILL CONVINCE YOU THAT

Is a Distinct, New **CHRYSANTHEMUM.**
Earliest Fancy White known. October 4-12.
Same culture produces blooms Double the size of old varieties.
Commands top price. First-class shipper.
Certificated Cincinnati, October 18, 1902.
Offered Cheaper than any other new varieties. Makes an Ideal Pot Plant.

"ESTELLE" IS A MONEY MAKER.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

H. M. ALTICK, DAYTON, OHIO

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection..........$2.00 per 100; $15.00 per 1000
Strong pot plants....... 3.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots, in bud................$8.00 per 100

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

	100		100
Alphonse Bouvier	$3.00	J. C. Cabos	$3.00
Austria	2.50	J. C. Vaughan	3.00
Chicago	3.00	John White	2.50
Comte de Bouchard	3.00	Mlle. Berat	3.00
Creole	2.50	Manda's Ideal	2.50
Chas. Henderson	2.50	Oriole	2.50
Doyen Jo Sisley	3.00	Pierson's Premium	3.00
Eldorado	3.00	Paul Bruant	2.50
Egandale	3.00	Paul Marquant	2.50
F. R. Pierson	3.00	Queen Charlotte	3.00
Florence Vaughan	3.00	Sec. Chabanne	3.00
Italia	2.50	Thos. S. Ware	2.50

CHRYSANTHEMUMS.

Varieties and Prices on Application.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No. 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

By C. W. WARD

Price $3.50. Ready April 1st.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

TO CLOSE OUT

We will sell the following varieties of UNROOTED CARNATION CUTTINGS at $1.25 per 100; $10.00 per 1000, express charges prepaid to any part of the United States or Canada.

Challenger, Oriole, Fair Maid, Queen Louise, Norway, Sylvia, Goodenough, The Marquis, Ethel Crocker, Dorothy, Lawson, Roosevelt, Cressbrook, Daybreak, etc.

Remember these prices include delivery to your door. All good cuttings and free from disease.

UTICA FLORAL CO., Utica, N. Y.

Mention the Florists' Exchange when writing.

The Largest, the Brightest, the Freest Scarlet
CARNATION
CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

WILLIAM HOFFMAN, PAWTUCKET, R. I.

Mention the Florists' Exchange when writing.

DEAN'S
System of
Greenhouse Heating

PRICE, $2 00.

A. T. DE LA MARE PTG. and PUB. CO
LIMITED.
RHINELANDER BUILDING.
NEW YORK.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD
North Abington, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS FINE HEALTHY ROOTED CUTTINGS

	Per 100	per 1000
MRS. T. W. LAWSON	$3 00	$25 00
HILL SPORT	2 00	17 50
G. H. CRANE	2 00	17 50
GOV ROOSEVELT	2 00	27 50
NORWAY	2 00	17 50
QUEEN LOUISE	2 00	
PROSPERITY	3 00	
MRS. BRADT	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

		100	1000
MR. THOMAS LAWSON		$2.50	$20.00
THE MARQUIS		1.25	10.00
QUEEN LOUISE		2.50	20.00
LORNA		2.50	20.00
J. H. MANLEY	75c. per doz.	6.00	50.00
HARRY FENN	75c. per doz.	6.00	50.00

THEODOR LEONHARD
P. O. Box 1646 Paterson, N. J.

Mention the Florists' Exchange when writing.

NOVELTIES

CARNATIONS,
CHRYSANTHEMUMS,
CANNAS, GERANIUMS,
PELARGONIUMS.

Also BEST STANDARD VARIETIES.

A few hundred **Vinca Variegata**, ready for **IMMEDIATE** delivery. 3½ inch pots, strong, $5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing.

NEW CARNATION
$UCCE$$
The Money Maker

The most prolific carnation to date. Flowers light pink, shade of La France rose, large and well formed, and borne on stout stems, with strong calyx. A splendid summer bloomer. Heavily rooted cuttings: $1.50 per 12; $2.50 per 25; $8.00 per 100; $70.00 per 1000. Immediate delivery. For sale by

HENRY F. MICHELL, Philadelphia, Pa.
J. GAMMAGE & SONS, London, Ont., Canada

JOHN G. SHOLL, Dept. C., Burlington, N. J.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80.00	Mrs. Lawson	$2.00	$12.50
Flora Hill	1.50	10.00	America	1.50	10.00
White Cloud	1.50	10.00	Marquis	1 50	10.00
Norway	1.50	12.50	Elma	1.50	10.00
Prosperity	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK. Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Ivory	$4.00	$35.00	Bridesmaid	$3.00	$25.00
Bride	3.00	25.00	Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

SEEDS.—There are some seeds that may be sown now, though, of course, there will need to be later sowings than this. But it is well to have a supply for both very early and later planting. Some of the seeds that should go in now are those of asters, stocks, zinnias, petunias, celosias and phlox.

ALTERNANTHERAS.—Such stock as is still in the flats, where it has been carried over the Winter, should receive some attention at this time. The best that can be done is to pot the plants into three-inch pots, using a soil that has a good portion of well-rotted manure in it, and then put them near the glass in a nice growing temperature. A good growth from now on is particularly desired with the alternanthera, and if the plants are put in a poor soil they will neither grow well nor have any color.

LILIES.—The buds should all be in sight by this time, to have them come in comfortably for Easter. Some changing around of the plants is always necessary to have the crop in at the right time, so that such plants as are getting too forward should at once be given cooler quarters, and shaded if that seems necessary. A careful watch must be kept to see that the plants arrive in full bloom, and at the same time be free from aphis. There is nothing more unsightly than a lily plant with the under side of the leaves covered with green fly; and such is sometimes seen in our stores.

Blue Hydrangeas.

It appears from a communication of M. André to the "Revue Horticole" that a certain soil near Angers, consisting of sand and humus, is made use of for the production of blue hydrangeas, with more or less success. The soil has been analyzed and found to be chiefly silicious in its nature, but very rich in humus and organic matter, including nitrogen and with a fair proportion of phosporic acid and iron. Potash and lime are in very small proportions, so that it is recommended to grow the plants in soil destitute of lime.—Gardeners' Chronicle.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS
FROM SOIL.

Prosperity	per 100,	$3.00
Genevieve Lord	"	1.50
Lorna	"	2.50

Cash with order.
All strong plants, ready to ship at once.

DE PEW BROS., Nyack, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS
MURPHY'S WHITE.

If you want a commercial white try it. Rooted Cuttings, immediate delivery, $6.00 per 100; $50.00 per 1000. Satisfaction guaranteed or money refunded.

WM. MURPHY, 130 E. 3d Street, Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

NOVELTIES—This Year's Introductions

Mrs. Theodore Roosevelt. A brilliant shade of deep cerise pink, flamed with carmine. Finely formed, average 3 inch flower on strong stiff stems. Habit vigorous, early, free. Fragrance, strong clove. Selected, strong, well-rooted cuttings now ready. $12.00 per 100; $100.00 per 1000.

Alpine Glow. A deep salmon pink on opening, which finishes a bright Daybreak tint. Good sized bloom, averaging 2¾ inches at this season of the year. Flowers of great substance and a splendid keeper and shipper. An extra vigorous grower; early, profuse and continuous bloomer. Cuttings taken last April produce plants carrying 25 to 30 blooms by the first of March. We believe this will prove one of the most profitable of the daybreak colored carnations. We shall have the following rooted cuttings ready for delivery at the dates specified: March 15th, 2,500; March 21st, 5,000; April 5th, 5,000. Price, $8.00 per 100; $75.00 per 1000. Quantity limited to the above.

Lillian Pond 2,000 selected plants from 2 inch pots, ready for immediate delivery, $10.00 per 100.

Her Majesty From 2 inch pots, March 10th to 15th delivery, $10.00 per 100.

Marshall Field From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

Gov. Lowndes Strong plants from 2 inch pots, for immediate delivery. $12.00 per 100.

Adonis Strong plants from pots, March 10 to 15th delivery. $15.00 per 100.

Enchantress From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

INTRODUCTIONS 1902

Harry Fenn. Extra strong selected stock, $50.00 per 1000.

Viola Allen. Fine strong cuttings for immediate delivery, $50.00 per 1000.

Stella. $6.00 per 100; $50.00 per 1000.

Challenger. Extra strong stock ready for immediate delivery, $5.00 per 100; $40.00 per 1000.

Gaiety. $6.00 per 100; $50.00 per 1000.

J. H. Manley. We have propagated a few thousand extra selected cuttings from this variety which we offer at $6.00 per 100; $50.00 per 1000, to those who wish to give it a trial.

STANDARD VARIETIES

Mrs. Lawson. 5,000 fine strong cuttings for immediate delivery, ready now and up to March 10th. $25.00 per 1000.

Golden Beauty. For immediate delivery. $50.00 per 1000.

Lorna. $25.00 per 1000.

Prosperity. Fine stock from 2 inch pots, $3.50 per 100; strong cuttings from sand, $25.00 per 1000.

Floriana. Fine stock from 2 inch pots, $3.00 per 100; strong cuttings from sand, $25.00 per 1000.

Gov. Roosevelt. $25.00 per 1000.

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

Mention the Florists' Exchange when writing.

Carnations

Rooted Cuttings

	100		100
Floriana	$3.00	Eldorado	$1.00
Gen. Maceo	1.50	Genevieve Lord	1.00
Morning Glory	1.50		

JEWETT CITY GREENHOUSES,
Jewett City, CONN.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

Now Ready	Per 1000
Morning Glory	at $15.00
Cressbrook	" 35.00
Ethel Crocker	" 10.00
Late February and March Delivery	
Queen Louise	at $15.00
Alba	" 35.00
Her Majesty	" 75.00
Prosperity	" 20.00
Roosevelt	" 15.00
Gaiety	" 20.00
Dorothy	" 15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS A No. 1 Rooted Cuttings ready

	Per 1000
10,000 Wm. Scott	$5.00
5,000 Daybreak	5.00
5,000 G. H. Crane	8.00

Healthy sound stock.

Cash with order.

E. C. MATTHES, Woodside, L. I., N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 50	$30 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

HEAVY ROOTED CARNATIONS

The same as the 327,525 already shipped, and not one single kick

	Per 100	Per 1000
9,000 Gov. Roosevelt	$1 00	$10 00
10,000 Norway	1 00	10 00
8,000 Genevieve Lord	1 00	10 00
3,000 Egypt	1 00	10 00
4,000 Portia	1 00	10 00
11,000 Eldorado	1 00	10 00
9,000 Mrs. Joost	1 00	10 00
20,000 Mermaid, fine	1 00	10 00
12,000 Argyle	1 00	10 00
8,000 Tidal Wave	1 00	10 00

Express prepaid at above prices. Net Spot Cash.

CALIFORNIA CARNATION CO., Lock Box 103, LOOMIS, CAL.

Mention the Florists' Exchange when writing.

	Per 100
TIGER, 2½ inch pots or sand	$10.00
Unrooted cuttings	5.00
ENCHANTRESS, 2 inch pot	12.00
MRS. LAWSON, sand or soil	2.00

H. EICHHOLZ,
Waynesboro, - - Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100
Stella, Fenn	$4 00
Palmer, Cressbrook, Challenger, Oriole	3 00
Queen Louise, Hoosier Maid, Norway	2 00
Goodenough, Gen. Maceo	1 50

HENRY HESSION
Clarkson and E. 48th Sts., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

NEW CARNATIONS

Lowndes, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS

We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties now ready.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

SITUATIONS WANTED

YOUNG MAN (18) wishes position in florist store; has some experience. Keller, Liberty and Washington Sts., Ozone Park, L. I., N. Y.

POSITION wanted as foreman or manager by man competent and reliable in every respect; life experience; best of references. Address D. E. Sutherland, Athol, Mass.

SITUATION wanted as foreman by first-class all-round grower, roses a specialty, first-class references, near New York preferred. Address J. A., care Florists' Exchange.

NORWEGIAN, well up in nursery work, 11 years' experience wishes position. Can show best of references. Please state salary. Address J. B., care Florists' Exchange.

POSITION wanted as working foreman; 36 years' experience in cut flowers and general stock. Industrious sober and hard worker. Address Florist, 712 First Ave., West Troy, N. Y.

SITUATION WANTED BY HOT-HOUSE GRAPE GROWER. HAVE GROWN FOR THE LARGEST EUROPEAN MARKETMEN. ADDRESS F. ARCHER, CARE FLORISTS' EXCHANGE.

SITUATION wanted as foreman by first-class, all-around grower; roses a specialty. First-class references; single, 26 years' experience; capable of managing large plant. Address Foreman, 30 Temple St., Boston, Mass.

POSITION WANTED, as manager of a commercial, or head gardener on a private place, by thoroughly qualified, all-around man. Best of references from last employer. Scotchman, single. Address J. E. Whyte, Scarborough, N. Y.

SITUATION wanted as head gardener to take charge of gentleman's country place; well posted in all details pertaining to management of first-class place. Scotch, 20 years' experience; married. Good references. Address W. D. Robertson, Centre Island, Oyster Bay, N. Y.

ROSEGROWER and gardener, single (34); 20 years' experience; well up in all branches; able to take charge, wants situation on large commercial or private place; best of references. Address Gardener, care A. Langen, Central Ave. and Hackensack Plankroad, West Hoboken, N. J.

SITUATION wanted by thoroughly experienced florist and nurseryman as head gardener on private place, or as foreman on commercial place, where landscaping is a specialty; capable of handling men; can lay out new grounds after plan and without. Please state wages. Address J. C., care Florists' Exchange.

FRENCHMAN, 27, ten years' experience, two years in this country, understands outdoor work, limited knowledge of greenhouses; am ambitious to become head gardener, and therefore seek position in large place where I can take part at all inside work; want to learn forcing roses, carnations, etc.; also peaches and grapes. Good references. Address P. Boury, Mount Airy, Philadelphia, Pa.

SITUATION wanted as working foreman by an American, married, life experience in growing roses, carnations, chrysanthemums and bedding stock; fancy ferns, and stove plants. Good propagator and designer; capable of managing large or small place. Can give good reference. Strictly temperate. Private or commercial. When writing please state wages and particulars. Peter H. Curren, Mamaroneck, N. Y.

SITUATION wanted, by April 1, as working foreman. German, 31 years old, married, no family; 19 years' practical experience in all branches of the business, 10 years in this country. Successful grower of carnations, roses, valley, bulbs, bedding plants, palms, and Easter plants; experts in Adiantum farleyense; also fancy ferns and ericas; winner of first prizes and certificates of merit. Competent to take full charge and handle men. First-class references, and only first-class place wanted; good wages expected. Present position, foreman for Mr. H. H. Battles (108 South 12th St., Philadelphia) at Newtown Square, Pa. Address August Zitzewitz, Newtown Square, Delaware Co., Pa.

HELP WANTED

WANTED, single man as assistant in rosehouse; steady position. Call or address, F. C. Schwenfurth, Bronxville, N. Y.

WANTED, first-class man for pot plants and cut flowers, one who can furnish good references as to ability and character only. The Bool Floral Co., Ithaca, N. Y.

WANTED, experienced help for rose and carnation sections; state wages expected, board and room furnished. References. The J. M. Gasser Co., Euclid Ave., Cleveland, Ohio.

WANTED, gardener to take charge of eight small greenhouses, growing palms, ferns, and bedding stock. Fine place for energetic man. Address Champion & Co., New Haven, Conn.

WANTED at once, single man for section of rosehouse, must be sober, reliable, and willing to work; give experience, reference and wages expected. D. Falconer, Chatham, N. J.

WANTED, young man with two or three years' experience for general greenhouse work, wages $20 and board per month. State experience and references from last place. George S. Belding, Middletown, N. Y.

WANTED man experienced in the growing of English melons and high grade fruits, single man preferred. References. Address stating age, experience, and salary expected. [illegible], 6?30 Howe St., Pittsburg, Pa.

WANTED at once, man who has had experience in rose growing, cutting and [illegible] well recommended. Apply to [illegible] Asmus, [illegible] Boulevard and Ml[illegible] bone St., W. Hoboken, N. J.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED, two inside men, and one man for outside work. Good wages to right parties. Yearly place. Address H. L., care Florists' Exchange.

WANTED, bookkeeper, stenographer and typewriter for nursery office; on or about March 1. State experience and salary wanted. Address Bloodgood Nurseries, Flushing, N. Y.

WANTED, good all-around florist with good recommendations. Wages $60 a month, with guarantee of increase if services are found satisfactory. Address C. Ponnet & Co., Alexandria, Va.; close to Washington, D. C.

WANTED, sober, steady man, to take charge of steam plant in Winter; look after vegetable garden and lawn in Summer. Must be single; German preferred, $25.00 per month and board. References required. C. H. Ott, M.D., Sayre, Pa.

WANTED, second man in commercial rose and carnation houses; New Jersey. German preferred, must be sober, competent, industrious, well recommended. Salary $40 per month and room. Apply immediately to 1900 Broadway, New York.

WANTED, young or middle-aged man of first-class ability as nursery foreman, to commence April 1st. Will interview applicants Monday or Tuesday, March 2d and 3d, at the Cosmopolitan Hotel, cor. Chambers and West Broadway, New York. Chas. R. Fish.

WANTED at once, two good all-around men in greenhouse work, who understand how to handle palms, ferns, and Easter stock. Must be sober, reliable, and willing to work. Steady employment and good salaries for right men. Call or address R. Dreyer, Woodside, L. I., N. Y.

WANTED at once, good grower of roses to take charge and grow for retail trade; four houses, thirty-five hundred plants. Also, assistant for vegetable houses, one who knows how to hose and box off. Give references and experience; both positions. I. Shelby Crall, Monongahela, Pa.

WANTED—Young married man of experience, energy and ambition, as working foreman on medium-sized place, for roses, carnations, etc. Pleasant location, comfortable house, fair wages and prospects to suitable man, who must grow good stuff. Address H. M., care Florists' Exchange.

WANTED, a good practical florist, married or single, on commercial place near Philadelphia; must be thoroughly experienced in the growing of general line of cut flowers and plants and furnish good reference as to character and ability. Address, with particulars, G. G., care Florists' Exchange.

WANTED, at once, good all-round grower on commercial place of about 20,000 feet of glass. One who understands growing carnations, chrysanthemums, Easter and bedding stock. Wages $60 per month, with reasonable advance if ability is demonstrated. None but those with the best of references as to ability and character need apply. Address H. D., care Florists' Exchange.

WANTED—Young man of some experience in retail florist business, as assistant to decorator. Good personal habits are absolutely necessary. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

WANTED. A man of experience who has good judgment and taste in the handling of flowers at retail. To a man of ability and who is conscientious, a well paid permanent position is offered. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

WANTED.

Man familar with the seed and bulb trade to call on florists and gardeners in New England.

Good position and salary for the right person. Apply, with particulars of experience and references to

A. SMITH,
Care of JOSEPH BRECK & SONS, Boston, Mass.

WANTED.

Two good all-around florists. Also good rose growers. Give particulars.

MILLER & SONS,
Bracondale, TOronto, Canada.

Assistant Gardeners Wanted

For Private Places.

Apply, stating experience fully to

R. & J. FARQUHAR & CO.
6 and 7 South Market St., Boston, Mass.

BUSINESS OPPORTUNITIES

FOR SALE, 5½ acres of fine land, with good buildings, etc., in a thriving village. Francis Brill, Hempstead, L. I., N. Y.

FOR SALE, florist store; old established place on avenue in New York; good opportunity for young man; low price, cheap rent. Address J. E., care Florists' Exchange.

$7000 BUYS 8000 sq. ft. of first class commercial greenhouses doing a profitable business, besides dwelling, barn, etc., in a booming city of western New York. Apply J. G., care Florists' Exchange.

FOR SALE OR RENT, four good greenhouses, finely located, within seven minutes' ride of center of city, good opportunity for right man. Cause, ill health of grower. Apply to J. Humphrey, florist, Harrisburg, Pa.

FOR SALE—Residence and greenhouse property near Rogers, Columbiana Co., Ohio. 5-room house; good outbuildings. Greenhouse 20x60 ft. with brick flue for heating. Eleven acres ground. Price only $1,750. W. M. Ostrander, North American Bldg., Philadelphia.

FOR RENT or sale, three greenhouses, 18 x 200 ft., ¾ span, propagating house 100 ft.; potting shed, steam heat, city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession, Joseph Wood, Spring Valley, N. Y.

FOR SALE on easy terms, one greenhouse, 1100 ft. of glass, built 1902, in booming town of 8000 people; right in the coal belt. Three railroads, city water; three-room house on lot. Good reasons for selling. Write Ed. Greenwood, Linton, Ind., for full particulars.

FREE coal and free water. A chance of a lifetime. Well established florist business, center of large town, extensive cemetery; 2,000 feet of glass, hotbeds, good dwelling, etc. Reason for selling, wish to go into the nursery business. S. C. Brendel, West Newton, Pa.

FOR SALE, RETAIL FLORIST ESTABLISHMENT, FIVE GREENHOUSES, STORE AND DWELLING, IN CITY OF 35,000; EASTERN IOWA. LOCATION OPPOSITE LARGE CEMETERY; ACCOUNT OF POOR HEALTH MUST SELL QUICK. EASY TERMS. OR WILL RENT TO RELIABLE PARTY. CASH FOR STOCK, ETC. ADDRESS J. F., CARE FLORISTS' EXCHANGE.

FOR SALE—Old established florist business, 4⅙ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

THREE GREENHOUSES, about 5000 feet of glass, 160 feet long; one acre of choice land, fruit trees; high elevation; can be used for growing violets, carnations, mignonette and lettuce. Ten minutes' walk from Erie station, private and city water; healthy location; price $3000; 28 miles from New York. Dwelling house not included in $3000. Address J. D., care Florists' Exchange.

FOR SALE, plant of Chatham Rose Company, Chatham, N. J., on D., L. & W. R. R. Twenty miles from New York; 8 houses of 1100 running feet or 21,000 square feet of glass, fully stocked with Bride and Bridesmaid roses. All in first-class shape and running order. City water in all houses. Also large corner dwelling. Inspection invited. Price reasonable. Reason for selling, engaged in other business. Call or address, H. B. Green, Madison, N. J.

MODEL GREENHOUSE

For Sale at a Bargain.

Modern Rose and Violet House (by Hitchings & Co.). All iron construction and standard glazing. Latest improved heating apparatus, including extra large boiler. Rose house, 20 feet wide; and Violet frame, 7 feet wide by 60 feet 6 inches long. Work room, benches, etc., all in first-class condition. Plans and all particulars on application to

BARBOUR FLAX SPINNING CO.,
Paterson, N. J.

Mention the Florists' Exchange when writing.

MISCELLANEOUS

FRED D. CAMPBELL, PLEASE COMMUNICATE AT ONCE WITH ALEX. MILLAR, R. I. GREENHOUSES, PAWTUCKET, R. I.

FOR SALE—Five shares of stock in The American Gardening Publishing Co. Value $250; 4 per cent dividend. Must be sold to close transaction. Price only $150. Good chance for investment. Address Walter H. Harrison, La Mott, Pa.

THE AMERICAN CARNATION.

By C. W. WARD.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

MISCELLANEOUS WANTS

WANTED—ALTERNANTHERA PARONYCHIOIDES MAJOR. JAMES BURFEIND, 22 WEST 120TH ST., NEW YORK.

THE CONTINENTAL NURSERIES, FRANKLIN, MASS., WANT PRICE LISTS AND CATALOGUES OF NURSERY STOCK, BULBS AND PLANTS.

WANTED, to lease by about June 1, place consisting of 15,000 to 25,000 feet of glass in good condition, near New York City. Privilege of buying. State particulars, size, price, etc. Address H. P., care Florists' Exchange.

Greenhouses WANTED

Wanted to buy or lease a large commercial place suitable for growing Roses and Carnations for the New York market. Small places not wanted. Must be in good condition. Give full particulars and price to

RESPONSIBLE,
Care Florists' Exchange.

Mention the Florists' Exchange when writing.

REMOVAL SALE.

On account of removing to 339 East 23d street, New York, we will give a 5 per cent. discount on all goods ordered before March 1, except Hot Bed Sash, Glass and 2 in. Pipe.

One Rider Hot Air Pump No. 10, $85.00.

One Scollay No. 5 Boiler; price $40.00.

New Hot Bed Sash, glazed with three rows of 10-in. glass, size 3 x 6; price $1.65. Cypress, $1.75, painted.

Glass 10 x 32, 10 x 12; new; a little heavier than single thick, $2.90 per box.

10 x 14, 8 x 10 double thick French; second-hand, all clean; none broken, $2.75 per box.

Shovels, spades, axes, etc., $9.80 per doz. Will assort if wanted. Also second-hand plumbing tools.

Wheelbarrows, $1.30 each.

Second-hand seasoned lumber at all times.

A limited job lot quantity of new 10-ply hose ¾-in.; price, while it lasts, 7½c. per ft. As good as any 15c. hose in the market. If you want good hose for little money, send small order for only 25 ft. as sample. You will want more when you see it.

Second-hand Wrought Iron Pipe, black, guaranteed sound, ¾-in., 3c. per ft.; 1-in., 3¼c. per ft.; 1¼-in., 4½c. per ft.; 1½-in., 6c. per ft.; 2-in., 8c. per ft. Cash with order, please. We buy greenhouse establishments to tear down; also all kind of tools, etc.

MANHATTAN SUPPLY CO., 29 Park St., New York

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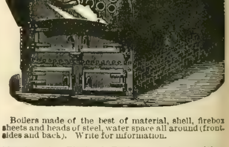
KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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LEGAL NOTICE

A. T. DE LA MARE PRINTING AND PUBLISHING CO., LTD.

A special meeting of the stockholders of this Company is hereby called, pursuant to a resolution unanimously adopted by its Board of Directors, for Tuesday, March 24th, 1903, at 12 o'clock noon, at the offices of the Company, Rhinelander Building, Nos. 2 to 8 Duane Street, Borough of Manhattan, New York City, for the purpose of considering an increase of its capital stock from $40,000 to $60,000. Transfer books will be closed from March 21 to March 24, 1903, at 3 P. M. By order of Board of Directors.

JAS. H. GRIFFITH, Secretary.

ASPARAGUS

SPRENGERI, 2½ & 3½ inch pots.
$3.00 per 100; $25.00 per 1000
Strong, well-established plants, splendid value

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Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of rchids to everyone growing this class of plants. t you want plants that will pay, don't forget that the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and askets of all kinds.

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Orchid Growers and Importers.

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GROWER OF

reca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

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Hybrid Moon Vines.

A. W. Smith's Ipomœa Noctiflora, the best, earliest pure white Hybrid oon Vine in existence. Thriving plants from in pots, ready for 4 in., $5.00 per 100.

Cineraria Hybrida for Easter blooming. Surplus stock at the following greatly educed prices, to wind up. Strong plants rom 3 in. pots, at the rate of $3.00 to $4.00 er 100, ready to shift into 5½ in. Four inch, t the rate of $5.00 to $6.00 per 100.

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Coccinea, $40.00 to $45.00 per 1000. **C. Crispa,** $35.00 to $40.00 per 1000.

esurrection Plants, good size, $20.00 per 1000.

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ERANIUMS, Labeled, 2-inch, $2.00 per 100.
HRYSANTHEMUMS, Labeled, 2-inch, $2 00 per 100.
ELAGINELLA DENTICULATA, 2 inch, $2 per 100. No. 1 stock. Satisfaction guaranteed.

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CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

BEGONIA REX. In 12 standard varieties, from 2½-in. pots, $4.00 per 100; $35.00 per 1000.

CANNAS (Dormant tubers), 2-3 eyes; Chas. Henderson, Chicago, Queen Charlotte, Alphonse Bouvier, Papa Canna, Florence Vaughan, Pres. McKinley, $2 00 per 100; $18.00 per 1000. My selection, $15.00 per 1000.

GERANIUMS (standard varieties). My selection, strong healthy plants from 2½-in. pots, $2.50 per 100; $22.50 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

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GERANIUMS

 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen' rant, John Reed, Francis Perkins, Richard rutt, Montague, Ruy Blas, La Favorite, Bruti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and everal others.

Also Mme. Salleroi, in fine shape.

Happy Thought, 2¼ in. pots, $3.00 per 100.

	100	1000
oleus, in variety, rooted cuttings	$0 60	$5 00
" " in 2¼ in. pots ..	2 00	18 00
ouble Petunias, Dreer's strain, R. C............	1 25	10 00
" " Dreer's strain, 2¼ in. pots...	1 75	15 00
eliotrope, all dark, R. C............	1 00	9 00
" " " 2¼ in. pots.	2 00	18 00
everfew, Little Gem, R. C..........	1 25	10 00
" " " 2¼ in. pots	2 00	18 00
geratum, in variety, R. C....... ..	60	5 00
" " 2¼ in pots	1 25	10 00
uchsias, in variety, R. C............	1 00	
" " 2¼ in. pots	2 00	18 00
incas, R. C	1 00	9 00
" 2¼ in. pots	2 00	18 00

Cash with order.

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Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment.
Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

SOLE AGENTS:

AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

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KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following:

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Coleus, Rooted Cuttings, 75 cts. per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.: one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.. 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

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RUBBERS

6 inch Fancy Stock, 24 to 30 inches high,
$4.00 to $5.00 per Dozen.
Also all kinds of **SPRING STOCK.**
Write for Prices

BENTZEN FLORAL CO.
4025 Marcus Ave., St. Louis, Mo.

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ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

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FERNS and GERANIUMS.

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3 00 per 100, $25 00 per 1000.

Geraniums. John Doyle, Double Gen. Grant, Glorie de France, Alphonse Ricard, Beaute Poitevine, $2.50 per 100. Assorted, our selection, $2.00 per 100.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N. Y.

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AZALEAS FOR EASTER.

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 each. These are extra large, shapely plants, full of bud.

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per doz.

Double Fuchsias, red, white and blue. 3 inch, $3 00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in cold frames, 50c. per 100, by mail, $3 per 1000, by express.

Calceolarias, 3 inch, $5.00 per 100.

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

20,000 All Pot-Grown

We quote you fine BOSTON FERNS.

2½ in.	$4.00 per 100.	6 in.	$40.00 per 100
3 in....	8.00 "	7 in.......	60.00 "
4 in.....	15.00 "	8 in.	100.00 "
5 in.....	25.00 "	10 in., $1.50, $2 & $2.50 ea.	

GEO. A. KUHL, Pekin, Ill.

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Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

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BROOKLYN, N. Y.

Telephone, 1207 Williamsburg.

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AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

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NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

FERNS.

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.
BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3 00 per doz.
FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.
BEGONIA, Erfurth, in bloom, and **BEGONIA APPLE BLOSSOM,** in bloom, from 2½ in. pots, $2.50 per 100.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

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The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

BOSTON FERNS

5 in. pots...per doz., $3 00
6 in. " .... " 5.00
6 in. " strong... .... " 6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants.......................per doz., $1.50
4 in. " extra select........................ " 2.00

FERN BALLS

Furnished with leaves ....per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties........ ....per 100, $3.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

AZALEAS for EASTER

All the best forcing varieties, with good proportion of Mme. Van der Cruyssen and Simon Mardner. 12 to 14 in. crowns, $45.00 per 100. 14 to 16 in. crowns, $60.00 per 100. A quantity of fine bushy specimens, Mme Van der Cruyssen, Niobe, Simon Mardner, etc., with 16 to 18 in. crowns, $15.00 per doz.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high . . . . $30.00 per 100
4 in. pots, 10 to 12 in. high . . . . 20.00 " "
3 in. pots . . . . 15.00 " "

KENTIA BELMOREANA.

2½ in. pots, strong plants . . . . $6.00 per 100; $50.00 per 1000
3 in pots . . . . 12.00 " " 100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties).
$2.00 per 100. $15.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

LILLIAN POND

THE grand new white Carnation. Far ahead of any white yet introduced. Large, heavily built flowers, very fragrant and an exceptionally good keeper.

It has given us thus far this Winter more flowers to the plant than White Cloud or Queen Louise and is bringing, in the Boston wholesale market, $5.00 and $6.00 per 100.

An early and continuous bloomer, strong grower, and lifts well from the field.

Certificated and awarded 90 points by the Judges of the American Carnation Society at the Brooklyn Exhibition, February 19 and 20, 1903.

Received Certificate of Merit from the New Jersey Floricultural Society, February, 1903.

Our large stock of 24,000 plants enables us to send out nothing but strong healthy cuttings. All orders filled at short notice.

PRICES: 12, $1.50; 25, $3.00; 50, $5.00; 100, $10.00; 250, $23.00; 500, $37.50; 1,000, $75.00

S. J. REUTER, WESTERLY, R. I.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

PRICE LIST OF NEW VARIETIES—ROOTED CUTTINGS

	Per 100	Per 1000
Harlowarden, crimson	$12 00	$100 00
Marshall Field, variegated	12 00	100 00
Her Majesty, white	10 00	80 00
Gov. Lowndes, white	12 00	100 00
Pres. McKinley, cerise	12 00	100 00
Murphy's White	6 00	50 00
Lillian Pond, white	10 00	75 00
Penelope, white	5 00	40 00
Sibyl, cerise	12 00	100 00

STANDARD VARIETIES	Per 100	Per 1000
Mrs. Higinbotham, the best and most profitable pink	$5 00	$45 00
Mrs. E. A. Nelson, large, beautiful, clear pink, strong stem, gaining more admirers every day	6 00	50 00
Cressbrook, pink, a shade darker than Nelson, a winner	5 00	40 00
Gov. Wolcott, white, strong stem, fine form, good keeper	5 00	45 00
Queen Louise, white, very free	3 00	25 00
Lorna, large and one of the best white	3 00	25 00
Norway, white, large, best stem and best keeper	2 00	15 00
Mrs. Potter Palmer, largest scarlet, now taking the front rank	5 00	45 00
Estelle, scarlet, ideal color, free and grown more than any other	4 00	30 00
Prosperity, the largest and most fancy variety of all	2 50	20 00
Gaiety, variegated	5 00	40 00
Lawson, pink	3 00	25 00
Bon Homme, freest white, best and strongest stem	2 00	15 00
Dorothy, pink, very free	3 00	25 00

TO GIVE SATISFACTION IS OUR AIM

Write for the best illustrated Carnation catalogue ever published

Mention the Florists' Exchange when writing.

TWO GRAND WHITE

CARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. **The Former,** sent out Spring of 1902, has proved **Without an Equal as a High-grade Commercial Variety. The Latter,** sent out in 1901 in limited quantity, is to-day **The Standard** everyday commercial **White on the Boston Market.** A marvel for early, free, and continuous blooming. **Both** are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$45.00
"BOSTON MARKET"	5.00	40.00

Both will be on Exhibition at Brooklyn, February 19 and 20.

PETER FISHER, Ellis, Mass.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100
Queen Louise	$2 00
Lorna	2 50
Norway	2 00
Goodenough	2 00
Hoosier Maid	2 00
White Cloud	1 50
Flora Hill	1 50
RED	
Mrs. Potter Palmer	4 00
J. H. Manley	5 00
Oriole	4 00
G. H. Crane	2 00
Jubilee	1 50
Portia	1 25

PINK	Per 100
Floriana	$2 00
Mrs. Higinbotham	5 00
Cressbrook	4 00
Mrs. G. A. Milson	4 00
Mrs. Thos. Lawson	3 00
Dorothy	2 00
Irene	2 00
Sunbeam	2 50
Morning Glory	1 50
The Marquis	1 25
Genevieve Lord	1 25
Mrs. F. Joost	1 25
Daybreak	1 25
Wm. Scott	1 25
Ethel Crocker	1 25

CRIMSON	Per 100
Harry Fenn	$5 00
Gov. Roosevelt	2 50
Gen. Maceo	1 50
YELLOW	
Buttercup	3 00
Gold Nugget	2 00
Eldorado	1 25
VARIEGATED	
Dorothy Whitney	6 00
Prosperity	2 50
Mrs. G. M. Bradt	3 00
Armazindy	1 25

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Place Your Order AT ONCE for the Best. Do Not Delay.

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
E. A. Nelson
Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen

Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella

Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney

Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.
JOLIET, ILLINOIS.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
loriana	$3 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
ueen Louise	2 00	J. H. Manley	4 00
orway	2 00	Mrs. P. Palmer	4 00
on Homme Richard	2 00	Mrs. Bradt	2 00
lacier	1 50	Cressbrook	4 00
lora Hill	1 50	Gaiety	3 00
stella	3 00	Mrs. F. Joost	1 00
orning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20 00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order All orders sent in strict rotation All cuttings guaranteed first-class in every particular.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Extra Strong. Guaranteed Healthy.

	Per 100		Per 100
Floriana	$3.00	Norway	$2.00
Chicago	3.00	Triumph	2.00
Mrs. G. M. Bradt	3.00	Mrs. F. Joost	1.50
Prosperity	2.50	Evanston	1.50

Write for prices on large quantities.

CLINTON HILL GREENHOUSES, Newark, N. J.
374-382 Clinton Avenue.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Cressbrook	4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1 25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
ueen Louise	2.50	20.00
lacier	2.00	15.00
Lizzie McGowan	1.25	10.00
. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates. Cash with order please.

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.

	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5 00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.

	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.

	Per 100	Per 1000
Enchantress,	$12.00	
Nelson,	6.00	$50.00
Cressbrook,	4.00	35.00
Dorothy,	2.00	17.50
Mrs. Lawson,	2.00	17.50
Elma,	2.00	17.50
Morning Glory,	2.00	17.50
Mrs. Joost,	1.50	12.00
The Marquis,	1.50	12.00
Triumph,	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety,	$4.00	$35.00
Stella,	5.00	45.00
Prosperity,	3.00	25.00

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in. 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.25 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	**Nelson**	$5 00	$40 00
Enchantress	12 00	100 00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
Joost	1 25	10 00	**Higinbotham**	5 00	40 00
Genevieve Lord	1 25	10 00	**Morning Glory**	2 00	15 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	4 00	35 00	**Chicago (Red Bradt)**	2 00	15 00
G. H. Crane	2 00	15 00			

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 50	12 50	**Hoosier Maid**	1 25	10 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Murphy's White**	6 00	50 00
White Cloud	1 25	10 00	**Norway**	1 0	12 50

VARIEGATED.

Mrs. G. M. Bradt .... $2.00 per 100; $15.00 per 1000.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	**Bride**	$3.00	$25.00
American Beauty	6.00	55.00	**Golden Gate**	3.00	25.00
Kaiserin	4.00	35.00	**Perle**	3.00	25.00
Bridesmaid	3.00	25.00	**Ivory**	4 00	35 00
			Sunrise	7 00	65 00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50	**Sunrise**	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2.50	Bride	$1.50	Meteor	$1.50
Perle	2.50	Bridesmaid	1.50	Golden Gate	1.50

CARNATIONS.

WHITE.

	Per 100
White Cloud	$1.50
Flora Hill	1.50
Gov. Wolcott	5.00
White Bradt	12.00
Norway	2.00
Lillian Pond	10.00

PINK.

	Per 100
Mrs. Lawson	$2.00
The Marquis	1.50
Cressbrook	4.00
Floriana	4.00
Enchantress	12.00
Morning Glory	2.00

STRIPED.

Gaiety	4.00
Prosperity	3.00

RED.

	Per 100
G. H. Crane	$2.00
America	1.50
Adonis	14.00

MAROON.

Gen. Maceo	1.50
Roosevelt	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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Per inch, $1.25. Special positions extra. Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
American Carnation Society:
  Some Notes on the Recent Show (Illus.) 232
  The Banquet 233
Briefs for Busy Florists 224
Business Note 243
Canadian News 237
Carnation Lillian Pond 230
Catalogues Received 221
Changes in Business 230
Crocus, King of the Whites, Forcing 237
Fires 230
Firms Who Are Building 243
Hydrangeas, Blue 224
Magazines Received 230
Market, Review of the 231
Novelties at Ventura, Cal 221
Nursery Department 222, 223
OBITUARY:
  M. Nabonnand, R. F. Umstead 230
Question Box 236
Seed Trade Report 221
Supplement—Ulmus Campestris Superba 230
TRADE NOTES:
  New York 230
  Philadelphia 231
  Chicago 238
  Boston, Worcester, Providence 240
  St. Louis, Cincinnati, Indianapolis, Baltimore, Toledo 241
  Cleveland 243

The annual meeting of the Brooklyn Horticultural Society occurs in the Germania Club, 120 Schermerhorn street, Brooklyn, on Wednesday evening, March 4, 1903, at 8 o'clock. Matters connected with the recent carnation show will also be discussed. A large attendance is asked.

THIS WEEK'S SUPPLEMENT.

Ulmus Campestris Superba.

Those of our readers familiar with the growth of our native elm, U. americana, will observe at once the great difference in growth between it and the one we illustrate. In the common one the growth is always much more pronounced toward the top of the tree, often quite vase-shaped. In this one it is of quite an opposite character, being broader at the base, and the whole growth quite unlike that of the elm as we are accustomed to see it.

The Belgian elm represented in the illustration is in many respects a remarkable tree. It was planted by George Ellwanger, of Rochester, N. Y., in 1841, as a one-year bud obtained from the late Louis Van Houtte, of Ghent, Belgium. The dimensions of this noble tree are as follows: Girth at 20 inches from ground, 14½ feet; girth at 4 feet from ground, 16 feet 10 inches; girth of largest bough, 7½ feet from the ground, 6 feet 7 inches; girth of next largest bough, 7½ feet from the ground, 6 feet 4 inches; girth of smallest bough, 3 feet 5 inches; height, 70 feet; spread, 85 feet 7 inches.

This specimen, whose overarching branches almost sweep the sward, has seven huge limbs, forking at from four to six feet four inches from the ground. Its dimensions give one an idea of its extremely rapid and vigorous growth, although the figures and pictured representation are inadequate to express its living amplitude, as well as the symmetry of its vast green tent in Summer and the pomp of its great gilded October canopy.

The common form as it grows here attains a great height, with a growth not as graceful as our native one, U. americana. Up to a recent time there were some very large specimens of it on the Chew Estate, the old battleground of Germantown. These were fully 75 feet in height. The trees became so subject to the attack of the elm leaf beetle that the owner had them chopped down, much to the sorrow of those who loved to look on grand old trees.

The beautiful specimen of the variety superba which we have the pleasure of illustrating is on the grounds of Ellwanger & Barry, Rochester, N. Y., a place famous for many noble specimens of trees. In appearance it is not as we usually see elms. Being a variety of campestris, it may be that its variation in growth from the type was what led to its recognition and propagation. The difference strikes us in its low-branched, bushy character, and its generally rounded outline. In this respect it differs from the type, and to its advantage. It appears to fit admirably the position it occupies, and it must afford very much pleasure to its owners and all who may see it.

These varieties of elms can rarely be induced to reproduce themselves from seed, but have to be propagated by budding, grafting, layering and other methods. The nurseryman who undertakes to keep up a complete collection has his hands full, there being no fewer than twenty varieties of U. campestris alone, not to mention the many other species and varieties.

JOSEPH MEEHAN.

Carnation Lillian Pond.

Through an inadvertence it was stated in last week's issue that the variety Governor Wolcott had been certificated by the American Carnation Society. The name of the variety should have been Lillian Pond, exhibited by S. J. Reuter, of Westerly, R. I., it scoring 90 points.

Other varieties certificated were: From L. E. Marquisee, Syracuse, N. Y., Sunbird, which scored 87 points; Albatross, 90 points; Flamingo, 90 points.

From H. Weber & Sons, Oakland, Md., Governor Lowndes, which scored 91 points.

CHANGES IN BUSINESS.

CHAPPAQUA, N. Y.—A. Arthur Lewis is going into the florist business here.

WASHINGTON, D. C.—George H. Cooke, late with J. H. Small & Sons, has opened "The Flower Shop," at 1126 Connecticut avenue.

MAGAZINES RECEIVED.

FLORAL LIFE; published monthly by The Floral Life Publishing Company, 812 Walnut street, Philadelphia, Pa.—This new magazine is "devoted to Nature and Ornamental Gardening," and the first number to reach us (No. 2) demonstrates quite conclusively that the journal is destined to fulfill its mission admirably. The editor is S. Mendelson Meehan, whose name is of itself a sufficient guarantee that the magazine will be conducted along practical and sensible lines. The February number contains articles from such well-known writers as Robert Kift, William Tricker, the editor; Ernest Heming, Thomas H. Douglas and others. It is beautifully illustrated with large half-tone engravings. The price of Floral Life is $1.00 per year.

COUNTRY LIFE IN AMERICA. Publishers, Doubleday, Page & Co., New York. Price, $3.00 per year; single copy, 50c. The March number of this beautiful magazine is designated "A Gardening Manual," and is surely the most handsome publication that has appeared anywhere devoted to the subject on which it treats. The cover illustration is a rose design in color; the numerous half-tone pictures reproduced from photographs of garden scenes are appropriate and charming, and the accompanying text is of a highly practical and instructive character. The list of subjects dealt with is a comprehensive and varied one, each being handled by an expert.

Country Life improves with every issue, and through it interest in the garden craft is bound to receive a stimulus superior to that created by any similar periodical of its class. And in the culmination of this condition the typography, illustrations and general makeup of the magazine play a most important part.

Obituary

M. Nabonnand.

M. Gilbert Nabonnand, the famous French rosarian, died recently at Mandelieu, Alpes Maritimes, in his 76th year. He graduated from Guillot of Lyons and in 1861 founded a nursery at Golfe-Juan. Among the roses sent out by him are Bardon Job, Paul Nabonnand, Papa Gontier and many others.

Robert F. Umstead.

Robert F. Umstead, of Goshen, O., died Thursday, February 5, 1903, from the effects of an attack of paralysis. The deceased was born in Montgomery County, Pennsylvania, on March 30, 1828. In May of 1843 he came to Ohio and settled on the farm where his death occurred. Mr. Umstead gave up farming a number of years ago, as his health would not permit of his performing his duties. He then established a greenhouse on his farm and devoted his remaining years to the cultivation of flowers.

FIRES.

PORT HURON, MICH.—The store of the Asman Floral Company was damaged by fire on Wednesday, February 18.

NEWARK, N. J.—The greenhouses of Henry Rudolph, of Roseland avenue, Essex Falls, were almost totally destroyed by fire on the evening of February 9. The loss is about $1,000, with no insurance.

PATERSON, N. J.—The store of Edward Sceery, at 89 Van Houten street, was destroyed by fire early on the morning of February 18. The loss is estimated at from $8,000 to $10,000, on which there is about $2,000 insurance.

SUPERIOR, WIS.—On February 19 fire destroyed the boiler house and heating plant of Miss L. O'Sullivan's greenhouses at Billings Park. The loss is stated at between $2,000 and $3,000, with no insurance. The greenhouses were only completed about a month ago.

PASSAIC, N. J.—Through a fire, which occurred on Thursday, February 19, the florist store of W. Hundertmark was completely destroyed. He carried about $600 insurance, but his loss will be double that amount. He will use the basement of the post-office until repairs to his store are finished.

New York.

The Week's News.

At the banquet given to the American Carnation Society in Brooklyn last week there was quite a representation from the New York wholesale district, and these gentlemen are now free to admit that Brooklyn is somewhat of a place, and that the Horticultural Society of that borough did itself proud. Usually, Brooklyn is looked upon by the New Yorker as a place to sleep, but the big dinner, together with the eloquence of "Little Tim," and Park Commissioner Young, has dissipated that idea; and we are now willing to admit that Brooklyn is "it."

We overheard some gentlemen discussing the funny stories that were related at the banquet; and after Mr. Marquisee's lot had been duly analyzed, and those whose age warranted, had been sent to the hospital for old jokes (it may perhaps not be generally known that there is such an institution in this city), it was agreed that the after-dinner entertainment, on the whole, was the finest ever.

The visiting ladies at the Carnation Society's convention were well entertained while in Brooklyn, and they each and all expressed great satisfaction of the pleasures they had received at the hands of the committee having the matter in charge, Mrs. A. H. Langjahr, Mrs. J. V. Phillips and Miss Mellis. Those ladies who enjoyed the dinner and theatre party on the Friday evening were Mrs. W. Nicholson, Miss S. Nicholson, Miss Warth, Mrs. John Barr, Mrs. W. N. Roland, Mrs. W. J. Vesey, Mrs. J. Bauer, Mrs. Morrison, Mrs. W. F. Kasting, Miss Hagenburger, Mrs. M. A. Patten, Mrs. Fisher, Mrs. R. Vincent, Jr., Miss L. M. Powell, Mrs. J. Hartshorne, Mrs. E. C. Ludwig, Mrs. Wm. Plumb, Mrs. H. Goldner, and Mrs. W. L. Castle.

R. Shannon, who has charge of the florist store of his father at Fort Green Place, Brooklyn, lost a little daughter recently, the child being a victim of diphtheria.

There is one bogus check man, who has been checkmated promptly, and he will probably think twice before he attempts to work the racket again among the wholesale florists. Geo. Saltford, wholesale florist at 46 West 29th street, a few weeks ago cashed a check for $20 for J. Wiesman, and signed by him. The check was returned as "N. G." from the bank, and Mr. Wiesman was arrested. The case came before Magistrate Zeller of the Harlem Court, and through the pleadings of the prisoner's family and of a promise to make the check good, Mr. Saltford withdrew the charge.

Sidney Nash, who has charge of the books of Moore, Hentz & Nash, arrived from England on the steamship Menominee, Thursday, February 19, whither he had gone with a younger brother a few weeks ago.

There seems to be an epidemic of abnormally large violets, and it may be possible that a new and larger strain of flowers will ultimately result if some of the growers can only fix these large flowering kinds that keep recurring. This week Wm. Ghormley has been the recipient of a few of uncommon size and length of stem, and, of course, they sold at a fancy price.

A. Wollmers, florist, 25th street, Brooklyn, has had a long siege of sickness, and he is not recovering as rapidly as his family would desire.

Chas. Zeller, the veteran Flatbush florist, was, unfortunately, unable to attend the Carnation Society's meetings on account of poor health. He sent a letter expressing regrets at his inability to be present, full of reminiscences of Brooklyn's early shows and its horticulture generally.

C. Ponnet, of C. Ponnet & Co., florists, Alexandria, Va., was in town this week.

Harry Van Koolbergen is in town, representing Ottolander & Hoftman, nurserymen, Boskoop, Holland. After two weeks' stay here he will proceed on an extended Western trip.

Robert W. King, of the King Construction Co., Toronto, Canada, was also in town this week.

Mr. Marquisee informed us that he took orders for 105,000 rooted cuttings of the carnation Flamingo before he left the exhibition hall last week.

Review of the Market

NEW YORK. While the cut flower business was as good as could be desired on Monday, that day being a general holiday in commemoration of the birthday of the "Father of our country," it cannot be said that there has been much doing since, except in the way of slaughtering prices in order to move the stock.

As is usually the case at this period of the year, there is great influx of bulbous flowers, these are so plentiful and cheap at present that other staple stock is for the time being relegated to the rear, and the Spring flowers are given the preference. Business fell away considerably on Tuesday, on Ash Wednesday it was worse, and on the following morning it was too apparent that the market had gone to pieces. There was no longer any standard price for anything. American Beauty roses were freely offered at 25c. each, and many specials that had been on hand a day or two went for less than half that figure. The best Bride and Bridesmaid got down to 8c. and 10c. each for asking prices, but could not be moved at all scarcely. But No. 1 and No. 2 cleared out somewhat better at prices ranging from 2c. to 4c.

Violets are losing in quality, but are too numerous for the demand. The weather being mild, the street vendors are showing a taste for daffodils and such like Spring blossoms, and seem inclined to leave the violets alone for the time being.

Cattleyas are not so plentiful, and there is just about demand enough to use up the supply.

Lily of the valley continues at the same figures as heretofore, though the quantity is diminishing. Lilies of various grades are on the market, and there is a considerable number that are badly diseased. Lilac does not move well; neither do sweet peas, unless they are very fine. The call for green material of all kinds is considered fairly good, the prices on smilax, ferns, and asparagus continuing unchanged.

BOSTON.—Business held up fairly well during the last week prior to the Lenten season, but Ash Wednesday there was a decided falling off in the demand, while the supply increased perceptibly after three fine bright days of sunshine. A break in values, of which there was a slight suggestion Wednesday morning, may soon be expected. Roses are in crop now, and the quality rules generally good. American Beauty of the finer grades are not over-plentiful, but the small and medium sizes are in good supply; the demand for them, however, has continued satisfactory, and, as a rule, they have cleaned up pretty well. Prices on the small and medium grades have been shaded somewhat, but, in general, last week's values have been pretty well maintained.

The increase in supply has been most noted in carnations, and though as yet there has been no overstock, it is evident that with a continuance of such weather as we were favored with during the early week a cut in prices will be necessary to dispose of the stock. Good carnations of ordinary sorts make $3.00 per 100, with the better grades at $3.50 and $4.00, while fancies and novelties go to $5.00, and in remote cases $6.00 is reached.

Bulbous stock has become druggy, especially in yellow flowers. Princeps are freely offered at 20c. a dozen, as are some Von Sion, though the better grades of the double variety make $2.00 per 100. Golden Spur, when good, realizes $4.00 per 100 readily, though some stock, slightly inferior, is sold at $3.00 and $3.50. Tulips are in good supply, though not nearly so plentiful as jonquils, and clean up more easily at $2.00 to $4.00, the latter figure being maintained for a few good flowers of the double varieties. Lilies are plentiful at $10.00 to $12.50. Lily of the valley is druggy at $2.00 to $4.00. Asparagus, mignonette, adiantum, etc., have been scarce and sell well. Violets, too, are very plentiful, and move with more difficulty than for months past at from 40c. to 60c. per 100, though 75c. is obtained for some fancies. Pansies, primroses and sweet peas in small bunches sell well.

F. J. N.

CLEVELAND, O. Business is a trifle easier, the cut is increasing, and as a result prices have begun to weaken. At a recent funeral of one of Cleveland's best citizens, the display of flowers was the largest that has come to my notice in a long time. The deceased was J. S. Dickel, a man interested in many of Cleveland's enterprises, and he was remembered by all his business associates and friends. Forty-two large designs besides twice that number of smaller ones and loose cut flowers enough to fill one wagon, were sent to the house. This has a tendency to make flowers scarce. G. W. S.

BALTIMORE. Stock has been very scarce, especially white roses and white carnations. Prices have been very firm and high. Violets are now more plentiful, with no extraordinary demand for them. Plants for Easter are looking well.

E. A. S.

INDIANAPOLIS, IND.—The cold weather was an effective check on business the early part of the week. Friday and Saturday the weather moderated and orders came in in numbers. A large amount of funeral and some decorative work have kept the store-men hustling. As a rule, there has been enough of all kinds of stock to meet the demand. Roses are in good condition. Bridesmaid, Bride and Meteor sell at 6c. to 10c. wholesale; $1.50 to $2.00 per dozen, retail. Liberty, at 15c. to 20c., wholesale; $3.00 to $4.00 per dozen, retail. American Beauty are in prime condition, 5c. to 50c., wholesale, $2.00 to $9.00 per dozen, retail, is the price for them.

Carnations are more plentiful than for some time past, although there still remains a scarcity of good red and white sorts; 2c. to 3c. wholesale and 75c. per dozen, retail, are the prevailing prices.

Bulbous stock of all kinds is plentiful. Many are sold at 75c. per dozen.

There is a decrease in the demand for violets, and it is only a question of a short time when there will be a large surplus.

Callas and Harrisii lilies are plentiful at 12½c., wholesale; $3.00 per dozen, retail.

I. B.

CHICAGO. There has been a noticeable increase in all lines of stock coming into this market, but the demand has been greater than the supply, due to the augmented shipping trade to New Orleans on account of Mardi Gras.

Carnations are arriving in increased quantities every day, yet the market is fairly well cleaned up. The past week the prices realized have been higher than ever known before at this time of year. Almost any kind of a flower commanded $3.00 to $4.00 per 100. Tuesday values were not so firm.

Bulbous stock is still largely in evidence; sales of same are not as good as at last report, with prices about the same. Lilac is bringing from 50c. to $1.00 per dozen. Some very fine orchids are seen. Cattleyas bring from $5.00 to $6.00 per dozen; Cœlogyne cristata, $25.00 per 100; cypripediums, $2.50 to $3.00 per dozen.

Violets are yet a drug on the market, it being hard to clean them up at satisfactory prices.

R. J.

PITTSBURG.—The coldest spell of the Winter was the record for last week, the thermometer going below zero, in some places as low as 10 degrees below. In spite of the cold weather business held out well, and sufficient stock was on hand for all orders. Roses and carnations still command good prices, and are not yet plentiful. Perhaps the Lenten season just set in will change conditions somewhat. Tulips are coming in well now, selling at $4.00 per 100 for choice. Yellow narcissus is more plentiful, but too high in price to make quick sales. Lilacs are fine and in good demand. Callas and Harrisii lilies are to be had in sufficient quantities. There are not nearly as many of the latter as in other seasons. Violets and mignonette are in good demand. Sweet peas go fairly well.

E. C. R.

PROVIDENCE, R. I.—Business is very good, completely using up all kinds of material and yielding firm prices to grower and retailer. There has been a small decline in the figures for roses and violets, but carnations and tulips hold their own for another week. There are only a few Roman hyacinths and no narcissus to speak of. The weather is now clear and mild, with every prospect of continuing so for a short time at least.

C. S. M.

Philadelphia.

The Week's News.

The Florists' Club committee had an interview on Wednesday with the Adams Express officials in regard to the extra rates. They promised to take up the matter with the higher officials.

George Carpenter, of 60½ street and Girard avenue, has 200 plants of isoloma; I do not know which variety it is. These plants are seldom seen, and are quite a novelty. They belong to the gesneria family. The plants are now coming into bloom, and no doubt will sell in limited quantities.

The Florists' Gun Club gave a complimentary banquet on Tuesday evening at Dooner's to C. J. Rainear, who some time ago presented the club with a flagpole for their grounds at Wissinoming. About twenty members were present at the banquet.

Jacob Becker is doing very well with his new rose Ideal, and has a nice lot of young plants. His pot roses are very good this season. He has large blocks of the following varieties, which he is bringing in for Easter: American Beauty, Magna Charta, General Jacqueminot, Hermosa and Clothilde Soupert. Just at present the most interesting thing on his place is a batch of Lilium Harrisii, Japanese-grown bulbs. These are very good, about 18 to 22 inches above the pot, clean and healthy in every respect, and well set with buds, all having from five to eight. The bulbs were the 7 to 9 size and were purchased from Henry F. Mitchell. While all the longiflorum lilies in the same house are good these L. Harrisii are far superior. Not a plant has been thrown out.

John Walker and family, of Youngstown, Ohio, spent the week here visiting relatives and friends. On Monday last we had the following visitors in town, who had been on to the Carnation Society's convention: Messrs. Rudd, Wilson, Foley and Goodman, of Chicago; F. H. Lemon, Richmond, Ind.; F. Dorner, Jr., Lafayette, Ind..

W. R. Shelmire has been engaged by H. H. Battles to take charge of his greenhouses at Newtown Square, Pa.

DAVID RUST.

INDEX OF ADVERTISERS

Allen J K 239
Altick H M 224
Amling E C 241
Anderson & Christensen 227
Andorra Nurseries ..222
Archdeacon & Co....222
Aschman G 227
Bader J 227
Baker W J 240
Bartram J H 237
Bassett & Washburn 229
Bayersdorfer H & Co 244
Beach Jas E 229
Beckert W C 220
Bentzen Floral Co..227
Berckmans P J Co..222
Berger H H & Co...219
Bernheimer E 240
Berning H G 241
Betscher C 219
Blaauw J & Co....222
Blue Hill Nurs 222
Bobbink & Atkins..217
Bock W A 227
Bonnot Bros 239
Boston Letter Co...242
Bradshaw & Hartman 239
Brown Bros Co.....222
Brown E C & Co...242
Brown P 221-37
Burpee W A & Co.220
Burr J 221
Byer Bros 221
Caldwell, the Woodsman 238
Cal Carn Co 218-25
Canadian Advts 237
Carmody J D 244
Central Mich Nurs..221
Chicago Carn Co....228
Childs J L 218
Chinnick W J 222
Clinton View G'houses 229
Clucas & Boddington 217-23
Coldwell Lawn Mower Co 244
Conard & Jones Co..223
Connell Benj 220-37
Cottage Gardens 225
Cowee A 219
Cowee W J 238
Cowen's N Sons ...242
Craig R & Son 227
Creeke J J Co.....238
Crowl Fern Co.....238
Cunningham J H ...237
Cushman Gladiolus Co 219
Cut Flower Ex.....239
Darling C T 224
Davis A B & Son...220
Deamud J B 241
Deming Co 242
De Pew Bros 224
Dietsch A & Co ...243
Diller Caskey & Co 244
Dillon J L 228
Dillon G'house Mfg Co 242-43
Dingee & Conard Co 220
Dorner F & Sons Co 224
Dreer Hy A .219-20-43
Dumont & Co. 240
East'n Chem Co ..238
Eichholz H 225
Eisele C 244
Eisele J G 227
Elizabeth Nurs Co. 219
Elliott W & Sons 218
Elliott W H 217
Emmans Geo M 227
Endtz Van Nes & Co 222
Evenden Bros 229
Farquhar R & J Co 219
Felthousen J E ...227
F & F Nurseries ..222
Fick & Faber 228
Fillow & Banks ...225
Fischer Paul 221
Fisher P 228
Foley J 238
Foley Mfg Co 242
Foster L H 227
Garland G M 242
Ghormley W 239
Giblin & Co........242
Goodale B E 220
Greene & Underhill.221
Greenhouse Mfg Co.243
Gullett W H & Sons 237
Gunther W H..... 239
Guttman A J.......239
Haerens Bros 227
Hammond B 242
Hammond J A 239
Harcourt's J D Son.220
Harris C A & Co...221
Heacock Jos 227
Helios Upton Co... 244
Heller & Co........220
Herr A M 221-225
Herr D K 221
Hermann A 244
Hession H 225
Hews A H & Co....242
Hicks & Crawbuck. 239
Hill E G Co.......241
Hilfinger Bros 242
Hill Top G'houses...237
Hippard E 242
Hitchings & Co 244
Hoffman Wm 224
Holton & Hunkel Co.241
Hoopes Bros & Thomas 237
Horan E C 239
Hort'l Advertiser .. 238
Howe J H 238
Hughes G J 223
Hunt E H 241
Igoe Bros 238
Jacobs S & Son ..243
Jackson & Perkins Co 219 20-27
Jennings E B 237
Jessamine Gardens 222
Jewett City G'houses.225
Johnson & Stokes ..219
Jones H T 222
Joosten C H .. 237
Kasting W F .. 240
Kay Wm H Co. ..243
King Construction Co 244
Koster & Co 222
Kraft T 229
Kreshover L J ...238
Kroeschel Bros Co .242
Kruschka M H. . 221
Kuhl Geo H . 227
Lager & Hurrell 227
Landreth D & Sons 219 20
Lang J 239
Langjahr A H 239
Leonhard T 224
Limbach C ... 242
Littlefield S .. 224
Little So. Floral Co 228
Livingston Seed Co 242
Lockland Lumb Co 243
Long D B 238
Longsdorf C L . 222
Lord & Burnham Co 243
Lovett J T 222-23
Mader P 227
Manhattan Sup Co 226
Matthes E C . . 225
Manger W & Sons 222
McFadden E C 238
McCarthy N F & Co 240
McKellar & Winterson 241
McManus J 239
Meyer C F . 218
Michell H F . 219
Moninger J C Co 244
Moon S C . 220
Moon Wm H Co . 222
Moore, Hentz & Nash 239
Moore W J 240
Morris J W 221
Moss G M 240
Mott Walter Sd Co 218
Muno J 241
Murdoch Wm 224
Nanz [illegible] 219
Nat Board Trade 238
National Plant Co 237
Netschert F 238
N Y Cut Flower Co 239
Niessen L 240
Norwich Nurs 222
Ouwerkerk P ..222
Pennock S S 240
Perkins J J 239
[illegible] .. 238
Pierce F O Co 244
Pierson F R Co 217
Pierson-Sefton Co 241
[illegible] Nurseries 222
Pittsbg Cut Flow Co 240
[illegible] 237
Pollworth C C Co 241
Quaker City Mch Co 242
Rawlings E I . 227
Rawson W W & Co 220
Rayner Mrs S H 220
Rayner J I .. 239
Reed & Keller 242
Reid Ed . 240
Reinberg George . 241
Reinberg Peter . 220
Repp John . . . 220
Reuter S J .. 228
Reynolds J L Co 238
Riedel & Co 239
Ripperger Geo . 238
Robinson H M & Co 238
Roemer F 220
Rupp J F 220
Salter W H . . . 237
Saltford Geo . .. 239
Sander F & Son....227
Schmidt J C . 220
Schmitz F W O 219
Schultheis A . .. 227
Scott J 227
Shellroad G'houses 243
Shepherd Mrs T B Co 220
Sheridan W F 239
Sholl J G . . . 224
Slinn B S Jr . 229
Smith C . . 239
Smith N & Son 224
Smith Wm C ... 238
Smith W & T Co.. 222
Soltau C . 237
Springfield Floral Co 237
[illegible] 220
Stearns A T Lumber Co 242
Stern J . [illegible]
Stoothoff H A Co [illegible]
Storrs & Harrison Co 227
Stone & Stone 222
Stumpp & Walter Co 218-38
Sutherland G A 240
Swayne W 224
Syracuse Pottery Co 242
[illegible] L J 225
[illegible] Wm 227
Thompson J D 229
Thorburn J M & Co 218
Tobacco W & T Co 242
Traendly & Schenck 239
Tottey C W 220
Utica Floral Co 224
Vanhorne Griffin & Co 242
Vaughan's Sd Store 218
Vesey W J & M S 220
Vick's Jas Sons 219
Vincent R Jr & Son 221-22
Vlasveld G & Sons 220
Vreeland F D . ..237
Warburton C . 224
Weber C S & Co 242
Weber H & Sons 225
Webster Bros . 237
Weeber & Don .. 220
Welch Bros .. . 240
Weston H 227
Whilldin Pottery Co 242
Whitton & Sons 227
Winter Bros 224
Wittbold Geo Co . 227
Wood Bros . 221
Young J 239
Young & Nugent 239

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 221 23 44
Achyranthes . .. 221
Ageratum ...220 21 23 24 27
Alpine Plants 222
Alternanthera . . .221
Alyssum 218 20 21
Antirrhinum 218
Araucaria 227
Asparagus 217 18-19 21-24 27 37-38 44
Asters 218 19 20
Azaleas ... 218-19 22 27
Balsam 218
Begonias 217 18 19 20 21-23 27
Berberis 238
Browallia . .... .218
Bulbs (not named) 218 20 41
Caladium . 217 19 20 22
Candytuft . .. 218
Cannas . 217 19 20 21 22 23 24-27-37
Carnations .. 217-18-19 24 25 27-28 29
Celosia 218
Centaurea ... 218 19 20
Chrysanthemums 221 21 25 27 37
Cinerarias . . 220 23 27
Cinnamon Vines . 219
Citrus 222
Clematis 217 19 22 27 37 44
Cobea 218 20
Coleus . . 21 24 27 37
Cosmos 220
Crotons . 227
Cuphea 223 24
Cut Flowers 238 39 40 41
Cyclamen . 224 27
Dahlias . 217 19 20 21
Daisies 218 20 21 24
Decorative Plants 227
Deutzia . . 219 44
Dielytra . 217 22
Dracæna 218 23 27
Ericas . 227
Eschscholtzia 220
Evergreens 222
Farfugium . . 223
Fern Balls 219 20 27
Ferns . 227 29 37 38
Feverfew . . 221 27
Ficus 222 27
Fuchsias 221 23 24 27
Gazanias . . 223
Genistas 227
Geraniums .. 218 19 21 23 24 27 37
Gladioli 217 18 19 20
Gloxinias 217 19 20
Grevillea 218
Heliotrope 220 21 23 24 27
Herbaceous Plants 222
[illegible] 220
Hyacinths 217 18 37
Hydrangeas 222
Impatiens 221
Ipomœa 223 24 27
Iris . .. 217
[illegible] . 219
Ivy 217 18 21 24 27
Kin Kans . 222
Lantana 221 23
Lemons 222
Lilacs 217 19 22
Lilies 217 18 19
Lobelia 218 20
Madeira Vines 217 19 20
[illegible] 217 21
Maples 222
Maurandya . 218
Mignonette 218
Mimulus . 218
Montbretia . 219
Morning Glory 222
Myosotis . 221
Nursery Stock 218 22
Orange 222
Orchids 227
Oxalis 219
Palms . 218 19 22 27 37
Pansy . 218 20 21-37
Pelargonium . 221 24
Peonies . 217 19 22
Petunia .218 20 21 23 27
Phlox 220
Phormium . . . 220
Pilea . .. .223
Primula . . 218 20 44
Privet 222
Pyrethrum . 218 20
Rhododendron .. 217 22
Romneya 220
Roses 217 19 21 22 23 24 27 28 29 37
Sage 223
Salvia . 218 21 23 24
Seeds (not named) 218 19 20 41
Selaginella 227
Shamrock . .. 220
Shrubs . ..220 22
Small Fruits 222
Smilax . 218 21 24 38
Spiraea 27-19-22
Stevia 221
Stocks 218
Strobilanthes . . . 223
Swainsona 221-23
Sweet Peas 218
Tarragon . .. 223
Thunbergia . .. 218
Tigridia 219
Trees .. 219 22 27
Tritoma 220
Tuberoses . 217 19 20
Tulips 227
Vegetables 219 20 22
Verbena 218 20 21 24
Vinca 218-20-21-27-37
Vines . 219 20
Violets .. 220 37

MISCELLANEOUS

Auctioneers 240
Bamboo Canes 238
Boilers 242 43 44
Books 221 38 40
Business Opps ..220
Carnation Bands . 219
Collections . . 238
Cut Flower Boxes . 242
Decorative Greenery 238
Designs 238-40-41-44
Fertilizers . 238
Florists' Letters 240 42
Florists' Supplies 238 40 41 42 44
Flower Pots, etc. 240 42
For Sale 220
Galax 238
Glass . . 242
Glazing Points ..243
Greenhouse Bldg 242 43 44
Gutters . .242 44
Hose . 243
Insecticides 220 38 42
Lawn Mowers 244
Lumber . 242 43 44
Mastica . 244
Moss . 238
Mushroom Spawn . 219
Newspapers 238
Painters' Supplies 242
Pipes, Joints & Valves 243
Printing 238
Putty 242 43
Sash .. 242 43
Seed Cases . 220
Sprayers . 242
Stakes & Supports 238
Thermometers . 244
Tile . . 244
Tinfoil 238
Toothpicks . . . 238
Ventilators .242 43 44
Wants 226
Wax Flowers & Designs . 238

CARNATIONS

American Carnation Society

TWELFTH ANNUAL MEETING

Brooklyn, N. Y.

February 19 and 20, 1903

SOME NOTES ON THE RECENT SHOW.

To write up in detail such an exhibition as was held at Brooklyn, N. Y., last week is too great a task for one, but I shall attempt to tell you a few of the things which came to my notice and to bring before those of my readers who were not present there a few of the varieties which were especially prominent among the new ones. For what I fail to do I ask pardon; and let me state first of all that the following opinions are not based on the awards, for I do not, except in a few cases, remember who took which, and what took what.

The sensation of the show was a variety which Mr. Marquisee, of Syracuse, N. Y., has had "up his sleeve," and it certainly was the center of attention. It is a brilliant scarlet flower and has been christened Flamingo. It seems that this variety has been grown by Mr. Marquisee for several years, but he has waited with it until it could be introduced in style becoming such a beautiful bird. It is interesting to note that without soliciting an order Mr. Marquisee booked demands for 100,000 plants in less than a day, for 1904 delivery.

In the line of scarlets there were several which showed to advantage, among them Apollo was next to the variety mentioned, Flamingo, in my opinion, while the far-famed Adonis was not up to the standard of last year. E. Shepherd, one of Mr. Roper's, I believe, showed up well, while J. H. Manley and Challenger were not far behind in all but color, Adonis winning for color and yet Flamingo was nearly as good in this respect and apparently better in every other.

Among the crimsons, to come down to personal opinions, we have yet to see the better of Governor Roosevelt. President Roosevelt and Harlowarden in size and length of stem were far ahead, but in form and color, I believe, Governor Roosevelt still leads.

There were several good yellows shown and Mr. Marquisee's Sunbird attracted considerable attention. Dorothy Whitney was shown, very fine specimens of it. I do not think the Golden Beauty exhibited did justice to the variety. A vase of Eldorado, grown by Dailledouze Bros., showed the possibilities of the variety and, I think, when this sort is well grown it is the best commercial yellow to-day. None can, in my opinion, compare with it when well done, but when poorly grown it can be poorer than the poorest, if such be possible.

Among the new light pink varieties Enchantress was the leader and I believe carried off the Lawson medal for the best vase of any color. It did not show up as well as it has done previously, however, though this is not, in all probability, due to a fault of the variety, for the flowers were more crushed than they were when it has been my pleasure to see it in the past. It will never completely fill the bill for a light pink, for it is a fancy of high grade, and while I predict that its popularity will be widespread and that it will be extensively grown, another light pink will supply the trade with the much-called for "good ordinary light pink carnation."

Fair Maid I must class as a fancy and it ranks high.

C. W. Ward came forward with a new one, and in this class it may prove to be what we need. It is named Mrs. John A. Thayer, and if it possesses the element of productiveness it may become one of the standards; for the blooms, while not large, were of good color and form, and the stem was all that could be desired. Miss Alice Roosevelt was a disappointment and Messrs. Dailledouze Bros. have a far better variety in Fragrance. It is deeper in color, but in every respect it appears to be a winner.

We meet a greater number of new ones when we enter the class of dark pink varieties and these aspirants have a harder row to hoe, for the general satisfaction given by Mrs. Thomas W. Lawson makes it hard for a new one to reach popular favor. The variety Mrs. Theodore Roosevelt shared the honors with the deep cerise Nelson Fisher, while the limited showing of Sibyl and President McKinley gave a poor chance for comparison. Two others, Una and Marion Buxton, showed up well, but, as I have said before, it will take a wonder to surpass the Mrs. Lawson.

CARNATION SENSATION.
First Prize Winner in Class for Fifty Blooms Any Other Color.
Exhibitor, C. W. Ward, Queens, N. Y.

Without a doubt Mrs. M. A. Patten is the coming variegated carnation. Mrs. George M. Bradt at its best cannot equal it, and we cannot all grow that variety as it should be grown. Gaiety and Marshall Field made a good showing, but where a variegated carnation is needed, we shall find, in a few years, unless I am mistaken, that Mrs. Patten has the inside track. We meet a different class of variegated carnations when we make the acquaintance of Judge Hinsdale and Viola Allen, and they were both very fine as novelties.

To sum up the white varieties is a hard undertaking, for there were so many fine ones. John N. May, of Summit, N. J., came in with The Bride, which was beyond criticism except in length of stem. Albatross, which Mr. Marquisee included in the grand trio, seemed to lack form, although it had stem to spare. A seedling without name, shown by Jerome A. Suydam, of Flatbush, N. Y., I considered the best of the lot, and it reminded me strongly of Governor Wolcott at its best. Lillian Pond was shown, but the excellence of the bloom was not backed by excellence of stem, and yet that weakness may be a fault in growing. As a good commercial white The Queen, shown by S. J. Goddard, of Framingham, Mass., is worthy of a great deal of praise. This variety, we hear, is a wonderful producer, and we must have quantity, and that variety which possesses the element of productiveness and produces flowers of an average good quality is bound to be popular. Lady Bountiful and May Naylor seem to be good ones; and yet Governor Wolcott, which we met as a last year's introduction, will allow precedence to none. The white Bradt, which were exhibited, were grand specimens, and where Mrs. G. M. Bradt can be grown successfully the white variety will no doubt be much sought for, and the benches of it which we saw at its home in Flatbush cannot be beaten in any respect. But the form of the flower does not, in my opinion, come up to the form of either The Bride or Governor Wolcott. A sport from Mrs. Bradt of a Daybreak shade which I do not think was exhibited attracted considerable attention from those who visited the Dailledouze Bros.' place, and yet it has the same limitations, for we cannot all do Mrs. Bradt well.

A grand vase of Her Majesty made the journey from Joliet, Ill., and the flowers were lacking in color only, the slight pencilling of red which characterizes it being its only drawback.

Side by side with Governor Wolcott was Boston Market, two good ones from the same seed-pod. In every respect Governor Wolcott is superior on the show table, and Boston Market bases its claim to popularity on the ground of superior productiveness. Perhaps; but the excellence of the bloom, when compared, makes Governor Wolcott the winner. So much for personal opinions.

There is a class of carnations which are popular locally and valuable as novelties, and the two which seemed to need this classification were Fair Harvard, shown by W. G. Saltford, of Poughkeepsie, N. Y., and Sensation, which Mr. Ward claims. The former is a violet-crimson and the latter variegated, on the Prosperity type. Both are odd, but interesting, and on a private place might be a source of pleasure to the owner. But, commercially, there is a question.

One thing I very much regret is, that at such an exhibition we do not see how well our standards can be grown; but rather we meet an aggregation which we know very little of. I saw a few Queen Louise, but a very few. Not a Morning Glory or The Marquis, nor a General Maceo. A few Genevieve Lord, but these were so few that they were lost among the new ones. A few Mrs. Frances Joost put in an appearance and its sister Magdala, an undisseminated variety from the same seed-pod as Mrs. Joost; but this was practically all of the varieties which the ordinary grower is handling in quantity. Would not a grand collection of such standards as Dorothy, General Maceo, G. H. Crane, Estelle, Morning Glory, etc., be more of a help to the ordinary grower, and mean more to him than so many strangers; and yet such an exhibition paves the way for the dissemination of the new ones and shows us that the American carnation is nearing perfection. What will be the limit in size? is a question; but whatever it be, we are near it. Seedlings of Dailledouze Bros., which measure nearly five inches, partially prove this, for with the great bulk the beauty has gone, and this shows that productiveness and stability are the points to work for. W. R. PIERSON.

Additions to List of Visitors.

Wm. A. Walton, Oxford, Pa.; E. Allen Pierce, Waltham, Mass.; Phil. Breitmeyer, Detroit, Mich.; H. M. Altick, Dayton, Ohio; A. F. J. Baur, Indianapolis, Ind.; T. L. Brown, Black Hall, Conn.; Joseph Wood, Spring Valley, N. Y.; H. G. Dumont, Philadelphia, Pa.; Harry R. Crawford, Philadelphia, Pa.; W. P. Nicholson, Framingham, Mass.; S. Alfred Baur, Erie, Pa.; D. Carmichael, Wellesley, Mass.; C. Holbrow, Brighton, Mass.; H. N. Hoffman, Elmira, N. Y.; W. W. Tailby, Wellesley, Mass.; A. T. Boddington, New York, N. Y.; W. H. Waite, Yonkers, N. Y.; F. R. Pierson, Tarrytown, N. Y.; A. Shellem, Philadelphia, Pa.; J. H. Thompson, Kennett Square, Pa.; Lawrence Thompson, Kennett Square, Pa.; Arthur H. Lauer, G. McIntyre and S. W. Werin, Philadelphia, Pa.; A. Roper, Tewkesbury, Mass.; M. Heller, New Castle, Ind.; David McFarlane, Scarborough, N. Y.; H. A. Molatsch, Brooklyn, N. Y.; E. G. Gillett, Cincinnati, Ohio; James Hartshorne, Joliet, Ill.; Wm. Schmidt, Johnstown, Pa.; A. T. De La Mare, Oradell, N. J.; George C. Fancourt, Kingston, N. Y.; Leopold Aesterner, Morrisania, N. Y.; Robert Kift, Philadelphia, Pa.; W. A. Manda, South Orange, N. J.; J. D. Thompson, Joliet, Ill.; N. D. Pierce, Norwood, R. I., and T. F. Keller, Providence, R. I.

The American Carnation Society Banquet

The banquet tendered by the Brooklyn Horticultural Society to the visiting delegates of the American Carnation Society on Friday evening, February 20, 1903, in the Germania Club, Brooklyn, N. Y., will go down in history as one of if not the most magnificent affair of its kind that has occurred since the inception of the American Carnation Society. The banquet hall and tables were beautifully decorated under the superintendence of the chairman of the decoration committee of the local society, John V. Phillips, of Fulton street, Brooklyn, who was ably assisted by the other members of the committee, and called forth many encomiums. Three hundred delegates partook of the hospitality provided. The arrangements for the banquet and its concomitants were carried out in a most satisfactory manner by the entertainment committee, composed of Messrs. Alfred H. Langjahr, Charles H. Allen, Eugene Dailledouze and Chris. Besold.

As previously intimated, ex-Lieutenant Governor of New York State, Timothy L. Woodruff, presided and acted as toastmaster. The Hon. Richard Young, Commissioner of Parks of Brooklyn and Queens, was also one of the speakers. A telegram was received from Albany from ex-Park Commissioner Geo. V. Brower expressing regret at his inability to be present.

The menu served by Herr Kuenstler, of the Germania Club, was first-class in every particular, and was thoroughly enjoyed.

In introducing the toastmaster, President Ward of the American Carnation Society said:

Fellow Members of the American Carnation Society and the Brooklyn Horticultural Society: It gives me the greatest pleasure to introduce to you to-night a gentleman whose national fame is such that he really needs no introduction at my hands. When I mention to you the name of ex-Lieutenant-Governor Woodruff (Applause and cheers) I will say that I never spoke the name of mortal man before that gave me more pleasure. Mr. Woodruff is a gentleman who is known throughout the length and breadth of these great United States for qualities that are rare, for qualities that make him endeared to every one, qualities that he possesses to such an extent that I do not think he has an enemy upon the face of the globe. (Loud applause.) These qualities are what bring him here to-night. In the past twenty-four hours I have heard him say: "I love to do good, and I came here to this banquet because I thought I could do good." (Applause.)

Mr. Woodruff, on rising to respond, received quite an ovation. The audience rose to their feet, cheering and applauding, while he himself stood smiling. When the enthusiasm had subsided, he said:

After that extraordinarily fulsome introduction I feel very much inclined to address you as fellow carnationists or fellow hybridizers. (Applause and laughter.) I have never been more surprised in my life than I am to-night. I had expected there would be an attendance here of perhaps twenty-five carnationists and twenty-five of their friends, instead of 300 wiry, enthusiastic hybridizers. (Laughter and applause.)

I do not yet know why I was selected to preside as toastmaster on this occasion. Possibly it may have been because once I was Park Commissioner of the then City of Brooklyn, but, although I served for ten long months, when I left the department I did not know where the greenhouses were located. (Laughter.) I went into the department without any knowledge of horticulture, and I was too busy building bicycle paths and roads, and improving the park system otherwise, to learn the business while I was in that department. Then I think, possibly, it may have been because I was sometimes known in Syracuse as an agriculturist, because, as former Lieutenant-Governor of the State of New York, I was president of a commission which had to do with the management of the State Fair. (Laughter.)

But it cannot be to welcome you, most of whom are from out of town, to Brooklyn, because I am not the Mayor of the city, nor the President of the Borough, nor the Alderman of this Ward. (Great laughter.) And then some newspapers have stated lately that I have moved from Brooklyn to Syracuse. (Laughter.)

I am very glad to be here. I can match all that President Ward has said as to his pleasure at my being here, by telling him and you that I never was so delighted at anything before in all my life. For Mr. Ward has told me that he named the Roosevelt carnation, and it was that, and that alone, that made Mr. Roosevelt President of the United States. (Laughter and applause.) And Mr. Ward is going to name a carnation Governor Woodruff. (Laughter and applause.) So I think I can safely impart to you in confidence my delight. (Laughter.) And by your reception I am still more pleased than by anything Mr. Ward has said. I am quite sure if you were going to name a carnation for me you would call it "Tim." (Great laughter.)

Now I have never seen such an enthusiastic lot of men in all my life. I do not know ten of you, at least ten of you don't know me. There was no occasion for any such enthusiasm. I tell you, I know nothing about flowers or carnations whatever, except to admire them; and yet, as soon as I am introduced, you get up and show an enthusiasm which I am not accustomed to. (Laughter and applause.) It all leads me to believe that that enthusiasm is inherent in the propagation of the carnation. (Great laughter.)

But I want to be serious for a minute, and to suggest to you that you go slowly in the development of this beautiful flower, not allowing your exuberance and enthusiasm to carry you too far, bearing in mind that the raising of tulips in Holland, 200 years ago, bankrupted all the people of that nation. (Laughter.) Even wrecking one man's fortune, when a tulip bulb for which he had been offered $25,000 was eaten by a tramp for an onion. (Laughter.) They cannot get away with the carnations as easily as that. (More Laughter.)

It has been a tribute to our borough, which has been thoroughly appreciated, to have the meeting of the American Carnation Society held in this year of its greatest prosperity here in our midst. Our people must have learned something more of the variety of carnations which you have exhibited here. I certainly have learned much, and have been reminded of what I sometimes before have been cognizant of, that there is a mighty sight going on in the world that most of us know nothing about. I had no idea, and if any man had told me that there was an organization in the United States as enthusiastic, as earnest, and as successful in the propagation, in the cultivation and development, in its various forms, of any flower, I would not have believed him for a minute. And it has taken this ocular demonstration to satisfy me that such is within the limits of human possibility. (Loud applause.)

Gentlemen, you have got a wonderfully successful, aggressive organization for the accomplishment of a work that is bound to benefit all mankind, or at least every man and woman who has a spark of sentiment and love for the beautiful things of nature; and therefore it is that I feel rejoiced to have met you; to realize that there is an organization accomplishing such a great purpose.

The first time, I think, that my attention was more particularly attracted to what I had always called the "pink" (Laughter) was when I saw it worn in the buttonhole of the most beloved of the many Presidents of the United States, the late William McKinley. (Loud applause.) I think I never saw him in the White House without a beautiful pink. (A voice: "Carnation, Mr. Woodruff!") Well, we used to call them "pinks." Even when he had given you one out of his buttonhole, he managed to appear before you with another, for he went to his closet, and, taking a flower from the shelf, put it in his buttonhole. It seemed to me, as I thought of that to-night, that the carnation is particularly emblematic of the life and character of that man whom we all so much revered.

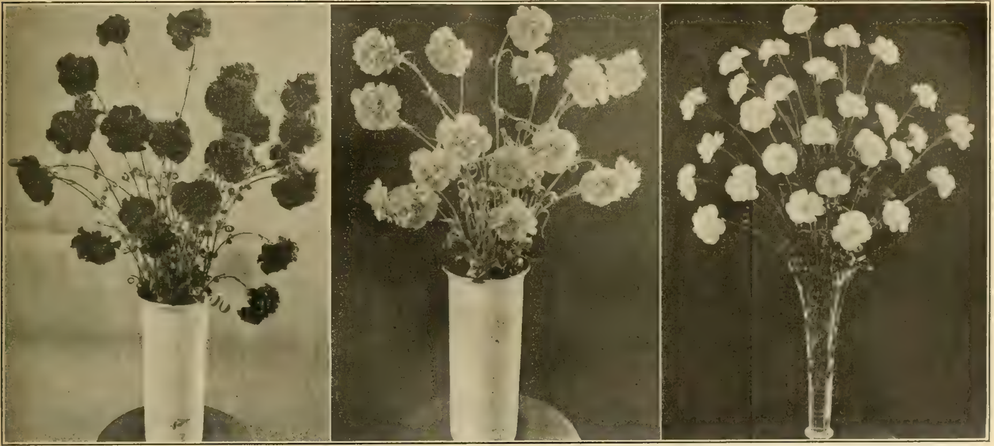
Mr. Ward has told me to-night that only a comparatively few years ago it was a little, mauve-colored flower in the south of Europe; and, until a little while ago, when he began the propagation of this plant by those approved methods of cultivation and hybridization, it was the little flower which we plucked in the garden. And when one recalls how it decks the landscape and sweetens every Summer day, even in its original and wild condition, and realizes that, as it has been brought into contact now, through its development, with the lives of men, then having added to all the beneficence of its surroundings, one realizes that it is the ruggedness and perseverance of the flower, as it was the character of McKinley, that made his memory what it is to us and made the sweetness of the carnation what it is and what it ever will be to all the world. (Applause, loud and continued.)

It is now my pleasure to introduce to you the present Park Commissioner of the Borough of Brooklyn, who needs no introduction to men interested in the cultivation of flowers, for he knew where the greenhouses were before he became Park Commissioner. (Much laughter.) And now, after only one year's service in the department, he has the reputation of being the best Park Commissioner Brooklyn ever had. (Applause.)

Hon. Richard Young said: Your president has well said that ex-Lieutenant Governor Woodruff is well and favorably known; and the Governor very modestly stated he was not accustomed to such enthusiasm. I have known him since we were boys together; he is younger than I —not much (Laughter), and in the last ten years I have never attended a gathering where his reception was not somewhat similar to that given him to-night. And he deserves all the kind words and demonstration you have given him, because in every business to which he has been called, from very early manhood to the present time, he has proven himself admirably qualified, and the most popular Lieutenant-Governor New York State has ever had. (Applause.)

I, too, knew little of your organization, or of the progress which you have made, until I came here last evening to welcome you to the Borough of Brooklyn; and it was a great delight to me to find such a number gathered in such an interest, and in such a cause.

And in going from here to the Academy of Music I was more than delighted at the wonderful exhibition of your work. It was a revelation to those who were present. I do not think there was anyone, except those engaged in your calling, who knew what you were doing until



FLAMINGO. SUNBIRD. ALBATROSS.

New Varieties of Carnations Exhibited by L. E. Marquisee, Syracuse, New York, at Brooklyn Show.

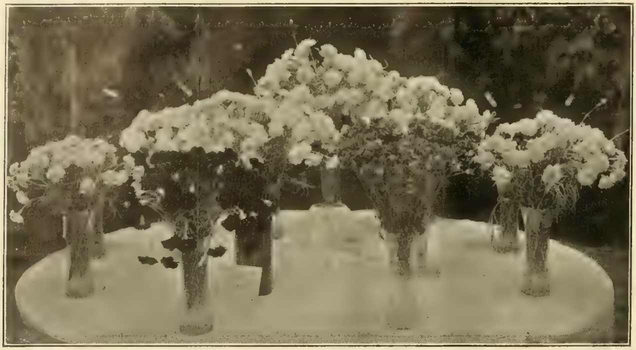


EXHIBIT OF DAILLEDOUZE BROTHERS, FLATBUSH, N. Y.
At Brooklyn, N. Y. Carnation Show.

they had seen last night the grand exhibition you made, which has proven such an attraction, that all the newspapers, so far as I have seen them, have been full of reports of admiration of your work. (Loud applause.)

But the matter assigned to me to-night is not to speak to you on your work, or your exhibition, or of the carnation alone. The text of the toast reads: "The Relationship of Flowers to Art." My friends, there can be no closer relationship than flowers to art, except it be the mother to her child. From the very earliest days they have stood side by side, or marched hand in hand, up to the present time. How closely they have been allied has not, perhaps, impressed itself upon many of those who are here, but I was very much impressed some four years ago when paying a visit to Egypt, for there I realized how long and how intimately art and flowers have been associated. In the museums there I found the sarcophagi marked with flowers, painted and decorated. The sarcophagi of Rameses II., which dates back 5,000 years, was decorated with flowers. And perhaps the most remarkable illustration of the relationship of flowers to art is to be found in Pompeii. While visiting that excavated city a few years ago they were unearthing a house, and as the walls crumbled into ashes, there were displayed the most beautiful works of art that had ever been seen in the portrayals of flowers on the walls. The colors were as fresh as the day when they were painted—the most marvelous thing of the times. A few years ago I visited ancient Ephesus. There they were making excavations as in Pompeii. You hear little of ancient Ephesus, but if you visited it to-day you would find carved on the stones and painted on the walls which have been buried two thousand years, the flowers of the times.

And so they came down through all the ages hand in hand, and there has never been a time when flowers and art were separated. I do not believe that true art can exist in any soul unless there is a love of flowers there. (Applause.)

You pass through the great galleries of Europe, in Rome, in Florence, in Venice, wherever they exist, and you will find the old masters alive to-day because of the portrayal of flowers in their art. You go to Japan, and the most ancient of their art is the cloisonne work, the placing of flowers in metal, polished to a perfection that makes it the finest art that has ever been produced by mortal man. To-day you will find these men in Japan, sitting at the most minute work, inlaying the flowers in gold and silver and the precious metals, and polishing it to send it to all the ends of the earth. The state of refining art, and the culture of the people, which has lived for thousands of years, is to-day as prosperous and as vigorous as they were five hundred or a thousand years ago. And so it is in China, and in other parts of the earth, art that portrays anything, portrays first flowers.

You who are not so deeply interested in this work will not realize, perhaps, how closely art and your great profession stand together. My friends, there can be no art without flowers; it is an utter impossibility, it is inconceivable. To-day, with the student in school, the first step in art is the illustration of flowers. I have been connected with school work here for a number of years. I go into a school room and the first step I see on the blackboard is the illustration of flowers a carnation, a rose, or what not? And so it is, and so it will be, as long as man shall have his reason; as long as man shall recognize the beautiful he cannot but recognize the flower as the ideal, the one thing that will enrich art, as long as art shall stand. In the galleries of France, of Germany, and of England, everywhere art and flowers are portrayed together. There is no separation of them.

You are in a great work; in a great profession. There is nothing so elevating, no work that I can conceive of, so elevating as flowers. Oh, how much I see of it every day. I have taken particular care in the cultivation and in the extensive planting of flowers and bulbs. I want to give you just one illustration: Last year it became my duty to create a park at Coney Island. I planted there more than 16,000 plants and shrubs and flowers in a comparatively small park. Notwithstanding it was sandy land, we put upon it nearly three feet of soil, cultivated it carefully, and in six weeks it was a finished park. And upon the 15th day of August there were more flowers in Seaside Park than in any other park in Greater New York of its size. (Applause.) And in the Fall it became my privilege to put in 30,000 bulbs in that park, and nearly 200,000 bulbs in the park department, of which I have the honor to preside over. The displays of flowers in Prospect Park, especially, and in all the parks of this great borough and the Borough of Queens, will be greater than they have ever been before, because I recognize it as an education; because I deem it one of the greatest upbuilding influences in a community. I know where flowers are planted purity of thought exists; where flowers bloom, there comes a higher and more elevating spirit and thought. (Applause.)

I therefore recognize the work which you are doing; I recognize that you are helping humanity by the great and noble calling that you are following, and bringing to success. The flower exhibition that you gave to-day and yesterday at the Academy of Music has been an education to our people. You have accomplished a great work here; you have familiarized our people with what you are doing; and to-day the carnation stands higher than it did a week ago because of our people having had the opportunity, without money and without price, because of your generosity, of viewing one of the finest exhibitions that was ever presented on the face of the globe (Loud applause), because I know that these flowers which you have placed on exhibition are in a state of perfection never before obtained. And that applies to nearly all flowers. The chrysanthemum to-day is not the chrysanthemum of ten or fifteen years ago; it has reached a state of perfection that is wonderful. It has become the admiration of the people. And this same condition is existing in the rose and various others. You are bringing all to the highest state of cultivation. You are educating and elevating the people, and you are doing your duty faithfully and well. (Loud and continued applause.)

Mr Woodruff I know that I cannot, with propriety, introduce to the members of the American Carnation Society the gentleman whose name is next on the toast list, to respond to the toast, "The Influence of the Carnation and Other Flowers on the Ethical Side of Life," but to those who do not know him, who may be among the guests of your Society, I do want to present the man who has sat one removed from me at this table, and whose face indicates not so much the Quaker of Pennsylvania as it does in itself the ethical side of human life—Mr. Robert Craig. (Loud applause.)

Mr. Craig, on rising to speak, was given a most cordial reception, the applause being loud and continued. He said: Before proceeding to say anything on the subject of the toast, I want to express the pleasure which I know everyone present feels in having with us the ex-Lieutenant-Governor of the State, and the other friends who honor us with their presence to-night. When Mr. Woodruff spoke so feelingly, so truthfully, and so beautifully of the late President McKinley, he struck a responsive chord in the hearts of everyone here. (Applause.) Mr. McKinley's memory is very dear to the carnation growers also to everyone interested in horticulture in every branch. I may say, for the information of those gentlemen who have honored us to-night with their company, that the Carnation Society is the offspring of an older society known as the Society of American Florists, of which Mr. John Burton is president I may tell them that we have a charter from the National Government under which we hope, as time rolls on, to do good work, and it will be pleasant for them to know, as it is to us, that the late Presidem McKinley signed that charter, which his predecessor, for some reason not to be explained by me, declined to do. Now we have the ex-Lieutenant-Governor of the State with us to-night, and we hope to see him occupy the Presidential chair (applause and cheers), and then we know we shall have a friend at court; and when we want to go further with our charter to do greater work under that charter, we are sure of his aid. (Applause.)

At the present time the Department of Agriculture and horticulture comes properly under that Department issues bulletins telling the people what kind of potatoes will do well in certain sections, and what kind of beans, wheat and other cereals will do well in different localities; and we hope to live to see the Government send out bulletins stating what roses will do well in the Southern States, what varieties of roses will be hardy enough and flourish well in the Northwest. We consider that information is just as valuable as the information now being sent out by the department. We consider that food for the soul is just as important as food for the body, and we hope some day our friends will endorse this view when we attempt to widen our sphere in that direction.

I am asked to respond to the toast, "The Influence of the Carnation and Other Flowers on the Ethical Side of Life." You will agree with me that I have not an easy subject to handle. No one yet has been able to define beauty in the abstract, and no one has given us a comprehensive definition of ethics in the abstract. I suppose the committee, in giv-

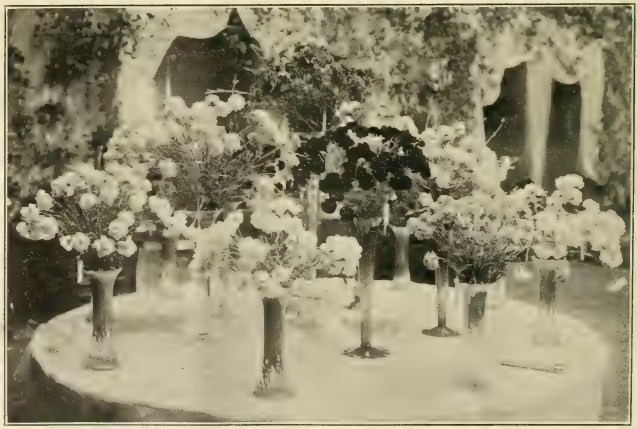


EXHIBIT OF C. W. WARD, COTTAGE GARDENS, QUEENS, N. Y.
At Brooklyn, N. Y., Carnation Show.

CARNATION ENCHANTRESS, WINNER OF THE LAWSON GOLD MEDAL AT BROOKLYN, N. Y., SHOW.

Exhibited by Peter Fisher, Ellis, Mass.

ing me that subject, thought that I would proceed at once to say that contact with flowers would immediately make a man better, or a woman better, beyond measure. Now, knowing the carnation men as well as I know them (Laughter) by what mental process can I accomplish that fact (More Laughter). I know there may be something said of the moral effect of beauty, and I expect to say a word or two on that aspect of the question before I sit down, but I want you to pardon me if I indulge in a few horticultural reminiscences of Brooklyn.

A quarter of a century ago I was a more active man than I am now, and I used to go frequently to Brooklyn, for that city was the head center of carnation culture at that time. The greatest carnation man in the country then was Papa Zeller, that dear, good man whom we all revere, a credit to the profession and a credit to mankind. He had, more than a quarter of a century ago, gathered all the varieties of carnations he could get, and he had them under cultivation, and I was interested in them at that time. I recollect he had one called Horace Greeley, and one named Henry Ward Beecher, for the custom was then, as it is now, to name good carnations after prominent men, and some day we will have one named after Timothy Woodruff (Applause).

We had also, at that time, a great grower of plants who lived in Brooklyn, or in Flatbush. I allude to Wm. Bennett. I think beyond all question he was the greatest grower of plants we ever had on this side of the Atlantic, not only of carnations, but other plants as well. He so loved and so studied their nature that whatever he undertook to grow was grown, as well as it had ever been grown before, or since. I can recollect one house of carnations cultivated by him. We may see good carnations grown now, but none better than he grew them, some scarcely so well, because he gave them more rational treatment than we give them. He recognized that the carnation was a plant that needed a season of rest; and as he grew them he did not get as large crops before Christmas and at Christmas, but towards Spring he had the most wonderful display of carnations on his benches that I have ever seen. I can recollect one bench of Peerless, that was a magnificent sight, and a bench of Mrs. Joliffe; and you could not see the foliage of the plants for the blooms. But that was towards Spring.

I believe the first man who forced carnations and had them early in the Winter was Mr. Gus Messeberg, of Flatbush. I recollect a remark of Mr. Westcott, who was at that time a very active man in the business, and who frequently visited Flatbush. He said: "Bennett has them all right, but he does not get them when there is big money for them." He expressed the opinion that Messeberg was making more money by forcing the plants into bloom early in the Winter at the time when the price was high; and this has come to be the practice, generally, of carnation men. They consider a carnation more valuable that will produce abundantly early in January and February, than when the price drops in Spring.

I think we might find a useful lesson if we consider the carnation in its treatment, and consider the treatment we ought to give ourselves. The carnation, owing to the fast life it is leading now, being forced out of season as it is, is subject to diseases that were unknown a quarter of a century ago. And we know that in attending banquets and keeping late hours, we are abusing our stomachs; and we are in pretty much the same condition as the carnation of to-day. (Laughter.) And in considering these matters we had better think how we can revive the constitution of the carnation somewhat as regards its treatment. I believe that it may be done. I know it is necessary to have flowers early in the Winter, but I say the carnation is a plant that needs rest at some time, and by its present culture it gets no rest. We propagate it towards Spring, then immediately put it out, and it has to grow rapidly all through the hot Summer, and we ask it to immediately bloom all through the Winter. It gets no rest at all; and so we find the life of any variety of carnation is very limited. Those with the best and the strongest constitutions last only five or six years. Then we find they are diseased, and have to discard them, and go back and get new blood, and start over again at this rapid pace. I have noticed that some carnation growers are already alive to this thing; they progagate their carnations early. This, unfortunately, is not the general procedure, but it should be adopted more. Propagate early in January, if you please, and then give the plants at least two months in a very low temperature, affording them a partial rest; get them sturdy and stout before they are put out in the field to grow, and it will benefit them. It will make their constitutions strong. We all know how we need rest. After leading a very fast life for a number of years I was obliged to take a rest last Summer. (Laughter.)

There are lessons in these things, I say, if we study our life that will have an influence on our ethics. It will teach us to take better care of ourselves and of our carnations.

Of the effect of an admiration and love of the beautiful in life upon mankind, there can be little doubt. I believe that at no time in the history of the world was the worship of the beautiful carried to such a state of perfection as among the ancient Greeks. I am speaking of the time, Mr. Toastmaster, when Greece was the mistress of the world, and when the athlete was master in Greece. I speak of the time when the religion of Greece was the worship of the beautiful; when men paid such attention to their physical condition as made them the most perfect of men. In those ancient games of the Grecians a man was compelled, by the rules, to go into strict training for ten months before he could enter into any great athletic contest, and he was therefore obliged to take care of himself. And should he resort to any trickery to gain the ascendancy in the contest, woe betide him! There was erected to him a monument of disgrace to perpetuate his dishonor, and deservedly so. And this worship of the beautiful among the Grecians, and this attention to their physical condition elevated them to a degree of perfection that has never been equalled.

What do our painters and artists strive for to-day? Only to approach the old masters; they never hope to excel them. I say to you there is a lesson whereby we may improve our ethics, if we consider what the Grecians did in the worship of the beautiful, and in their rational care of themselves. (Loud and continued applause.)

At this point Mr. Woodruff left the gathering, and President Ward acted as toastmaster.

The next speaker was L. E. Marquisee, of Syracuse, the "Marshall P. Wilder" of the craft, who responded to the toast, "The Humorous Side of the Florist's Life." Mr Marquisee was in his happiest vein with a fund of humorous anecdote, and kept his hearers convulsed with laughter during the half hour that he occupied the floor. There was very little humor, so far as he could see, in the florist's life, and probably more disappointments than were experienced in any other business. He quaintly referred to the fact of a pet carnation going back upon him, and his consequent loss of several thousand dollars. He closed his remarks with a beautiful peroration reciting some charming verses on the subject of flowers.

The next toast on the list was "The City Beautiful," and in the absence of President Healy, of the Brooklyn Institute, it was responded to by President Burton, of the Society of American Florists. Mr. Burton confessed ignorance of the extent of the beauty of the City of Brooklyn, adding that he had been much interested in the talk of the Park Commissioner on the subject of the planting of the parks of the city. He marvelled at the large exhibition of carnations, especially at a time when the flowers were in greatest demand, and characterized the American Carnation Society as one of the greatest institutions, floriculturally, that we have in our country, a condition brought about largely through the efforts of the gentleman who is its president. He then switched off into a criticism of the critics of the S. A. F. and its work. He said: The Society of American Florists is not at this time of the year as much in evidence as the American Carnation Society, but I can assure you, gentlemen, that the S. A. F. is still in existence. There has been some fault-finding as to the doings and actions of the Society; as one writer stated it: 'The masterful inactivity of the Society of American Florists, that was doing little to add to its membership, or to work for the interests of the florists of the country.' I want to tell you that at this time of the year, or at any time between the sessions of the national convention of the Society of American Florists, that society is represented by its officers. Some of these officers are elected, and some appointed. We have elected officers, and then we have an executive committee. So far as I know, the officers are all in accord; and as president of the society, I can say that the president of the Society of American Florists has no apology to make for anything that he has done, no regrets to offer; and he feels sure at the present time he has every executive officer with him. If there is any member of the board of officers that he has not with him, that does not feel as he does, he regrets it; and if anyone chooses to publicly assail the society rather than counsel with his brother officers, that is the misfortune of the society, and not the fault of its president. (Applause.)"

William Scott, of Buffalo, responded to the toast, "Queen Flora's Treasure House." He considered it an honor to speak at such an important gathering; one

PARTIAL VIEW OF THE AMERICAN CARNATION SOCIETY'S EXHIBITION AT BROOKLYN, N. Y., FERRUARY 19 AND 20, 1903 of the greatest he had ever attended since he had been a member of the S. A. F., or of the Carnation Society. He spoke lovingly of his profession, stating that he would not change it for any other business in the world; not for ten thousand a year. The florist's profession was like the "quality of mercy;" it was twice blessed; it blesseth him that gives and him that receives.

Arthur Herrington, president of the Chrysanthemum Society of America, replied to the toast, "Floriculture as a Profession." He was pleased to see the concession made that the florist's calling was now recognized as a profession. While in other businesses it was possible to complete an apprenticeship, yet a mastery of the art of the florist was never properly acquired. All were learners until they had pasesd away.

F. B. Lown, of Poughkeepsie, replied to the toast of "The Value of Horticultural Organization." He touched on the work accomplished by the Dutchess County Horticultural Society, of which he is a very active member.

F. H. Lemon, of Richmond, Ind., responded to the toast, "The Carnation's Conquest of the West." He referred to the great advance made in the culture of the Divine Flower in his locality, and paid high tribute to the "king of carnations," Fred Dorner. The carnation had taken a place supreme in the heart of the Western people. Where a few years ago but one man was engaged in its cultivation, there were now hundreds; and as many seedlings have been grown in the West as anywhere else on the Continent.

Mr. Ward then spoke of the good work of the entertainment committee of the Brooklyn Horticultural Society, of which A. H. Langjahr was chairman, assisted by Messrs. Dailledouze, Allen and Besold. To Mr. Langjahr's efforts a great deal of the success of the present entertainment was due. He called for three cheers for that gentleman, which were given with a will, Mr. Langjahr bowing his acknowledgments. Mr. Ward also paid tribute to the work of the secretary of the local society, Alexander Wallace, and a similar response was accorded that gentleman. In a few words Mr. Wallace testified to the encouragement given him by the other officers and especially the members of the soceity whose enthusiasm and desire to make the Brooklyn meeting a success in every particular was unbounded.

Mr. Scott read the final resolutions of the American Carnation Society, thanked the Brooklyn Institute and the Brooklyn Horticultural Society and the daily press of Brooklyn for the treatment accorded. President Ward then spoke a few words, in which he stated that he did not believe that the present meeting of the American Carnation Society, or of any other society or a banquet of this character, interfered with the Society of American Florists one jot; a statement that was vociferously applauded.

After a few remarks by a gentleman from Holland the happy affair came to a close with the singing of "Auld Lang Syne."

The banquet hall in the Germania Club, where the banquet was held, was very tastefully decorated under the supervision of J. V. Phillips, assisted by Messrs. Ruddy, Bennett, Zeller, Mellis, Molatsch and others. Among the donors of plants and flowers for this occasion were F. Manker, A. N. Pierson, Dailledouze Bros., C. E. Koch and C. W. Ward.

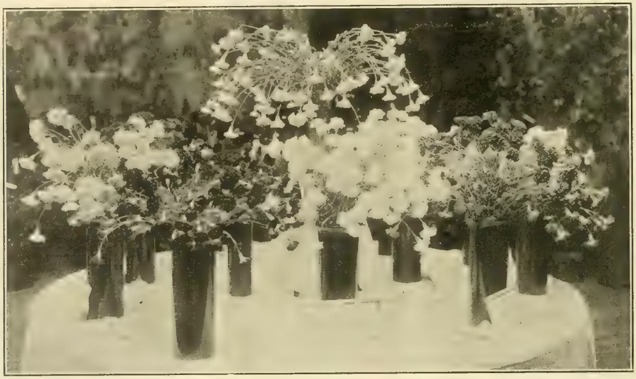
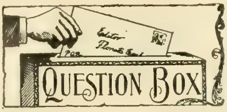


EXHIBIT OF J. D. THOMPSON CARNATION CO., JOLIET, ILL., AT BROOKLYN SHOW OF AMERICAN CARNATION SOCIETY.



A Water Tempering Device.

(48) Please inform me of a simple water tempering device, the water to be used for carnations. How high ought the tank to be located to get force enough for spraying purposes? About what capacity of tank would be needed for 5,000 feet of glass? J. C.

—The answers to the foregoing questions depend on the method used for heating the houses, the means of pumping the water, and the general arrangement of the system. If convenient to the heating plant a simple method of heating the water is to run heating pipes from the boiler and connect with a coil inside the tank; or, in the case of hot water, to allow the water from the heating plant to circulate through the water tank. If the pipes are exposed so that there is danger of freezing, in case the fire gets low, a safety valve should be provided to prevent an explosion. If there is no danger of the freezing of the water in the tank, or the connecting pipes, it can be tempered for watering by connecting one of the returns in the heating plant with the pipe which leads to the water tank, and then by connecting the water pipe in the house with both the tank and one of the flow pipes in the heating system it will be possible by means of valves to so control the flow of the water that any temperature desired can be secured. If the bottom of the tank is elevated ten feet above the level of the beds it should answer for carnations; but for roses at least double this height would be desirable. The size of the tank will depend on the method of raising the water. Thus, if a windmill is used, a tank with a capacity of 120 to 150 barrels, depending upon the force of the wind, will be desirable; while if gasolene or hot-air engines are used for pumping one-half this size will answer. L. R. TAFT.

Heating.

(49) How many square feet of glass can be heated by a hot water pipe boiler, which contains six coils of 3-inch pipes, four pipes high, length 8 feet, making a total of about 200 running feet of 3-inch pipes? S. & S.

—A properly constructed boiler should take care of twelve to fifteen feet of radiating surface for each foot of heating surface, the amount varying according to the size of the boiler and the frequency of firing. This will make the boiler described able to handle 2,400 to 3,000 square feet of radiating surface, or from 7,500 to 10,000 square feet of glass, the amount varying according to the temperature desired.
L. R. TAFT.

A Coil Boiler.

(50) Kindly let me know how to build a coil boiler to heat three greenhouses, two 20x100 feet each and one 27x100 feet. Are coil boilers as economical of fuel as regularly constructed heating apparatus?
LEBANON GREENHOUSES.

—Nothing is said regarding the temperature desired or the amount of glass in the side walls. Under average conditions there would be about 9,000 square feet of glass, and to heat this to 60 degrees about 3,000 square feet of radiating surface will be needed. To supply this radiating surface there should be about 250 square feet of heating surface in the boiler. With a boiler eight feet long this can be secured with six coils, each of which contain five 3-inch pipes. The coils can be constructed with built-up headers of tees and close nipples, using a long thread and a lock nut at one end of each of the pipes. The upper ends of the front headers and the lower ends of the rear headers should be connected to 5-inch main headers, for flows and returns respectively. Set the boiler so that the front end will be six inches higher than the rear. Use a grate about 3x3½ feet, with a bridge at the back so that the flames must pass up between the pipes. Extra heavy pipes should be used, and the threads should be as little exposed as possible. These boilers are less durable than steam tubular boilers, or cast-iron boilers, either of which will, as a rule, give better results. Steam tubular boilers, with large flanges for connecting the flows and returns, answer well for hot water heating.
L. R. TAFT.

Manure for Rose Soil.

(51) What is the best manure to mix with soil to put on benches for roses? I saw a statement in one of the papers some weeks ago that sheep manure is the best manure for roses, without specifying anything about mixing with soil, top dressing or liquid application. If sheep manuure is as good as cow manure for mixing with soil to put on benches, what proportion of manure should be used? N. E. B.

—Well-rotted barnyard manure is the best for mixing with rose soil. Sheep manure is one of the best manures to use as a mulch, first mixing it half and half with soil, and then spreading it almost one inch deep on the surface of the soil. Sheep manure is also good applied in liquid form. Have it about the color of weak coffee and apply once a week.

Geraniums.

(52) I have a bench of geraniums, kept over from last year. The plants were in 2½, 3½, and 4-inch pots. I repotted them into 3½, 4, and 5-inch pots in November. I want them to be in bloom for Decoration Day week. Shall I pinch off the blossoms until April 15, or grow the plants dry for a month or so? SUBSCRIBER.

—We would not advise keeping the geraniums dry. The best thing to do will be to encourage growth right along, and pick off such flower stems as may show until the first week in April; then let the plants flower right along. This should bring them well into bloom by the middle of May, and a little shading, with cool temperature, will carry them over until they are wanted.

Spiraea Japonica.

(53) We had some spiræa japonica arrive December last. We soaked them, planted them in 6 and 7-inch pots, placing the pots under the greenhouse benches, where the temperature stood at 60 degrees. The clumps never started, and on examination we found that they had rotted. What was the cause? J. B.

—We cannot assign any cause as to why the spiræ decayed, except that they may have been kept too wet previous to their starting into growth, or else the clumps were not in good condition when they were received.

Palm Seeds.

(54) R. P.—See page 196 of The Florists' Exchange for February 21, regarding the germination of palm seeds.

Temperature for American Beauty Cuttings.

(55) N. E. B.—A suitable sand temperature for the rose cuttings is 65 degrees, with the air temperature at 60 degrees.

AMERICAN PARK AND OUTDOOR ART ASSOCIATION.—The preliminary programme of the seventh annual meeting to be held in Buffalo, N. Y., July 7, 8, and 9, 1903, has been issued. For any particulars regarding the convention address Charles Mulford Robinson, secretary, 65 South Washington street, Rochester, N. Y.

Tobacco Stems THE GOOD STRONG KIND BALES WEIGH 500 LBS. 60c. per cwt. On Cars N. Y. City.
Tobacco Powder THE BLACK STUFF FINE (For Sprinkling Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Two pound trial sample will cost nothing if you will pay the express charges.
Tobacco Powder THE FUMIGATING KIND (For Burning Only) BAGS 50 OR 100 LBS. 2c. per lb. On Cars N. Y. City.
Five pound trial sample will cost nothing if you will pay the express charges.
Five pounds of the Fumigating Kind Tobacco Powder Kills all Aphis in one night in a house 100x25 ft. Send for our booklet telling of it; write Dept. B.
THE H. A. STOOTHOFF COMPANY
TOBACCO POWDER HOBBYISTS 116, 117, 118 West St., N. Y. City

Canadian News

Toronto.

Club News.

The February meeting of the Gardeners' and Florists' Association was held last Tuesday, President W. Wood in the chair. The meeting was a very good one. There were 28 members present, and considerable business was done. Final arrangements were made for the carnation meeting on March 5, and a good many letters were read from intending exhibitors. There is no doubt the meeting will be a very interesting one, and while a large number of the trade is sure to take advantage of the opportunity, still several others would be money in their pocket if they decided to come to the meeting. Last year we had an exceptionally fine show, and there is no doubt the coming one will be better. Intending exhibitors should write to E. Collins, Allan Gardens, secretary, for instructions.

The C. H. A. executive committee will hold a session at John H. Dunlop's greenhouses on the morning of the 6th of March, and the G. & F. A. will hold its annual dinner at Webb's in the evening. All visiting delegates should make arrangements to stop over for that affair, as they may be sure of an enjoyable evening. Mr. Dunlop invites all the members, who are at all interested, to his greenhouses on the 6th, and I would advise all, who are able, to go, for there are many things interesting to the craft to be seen on this model place.

Mr. Dunlop stated he was going to the Carnation Society meeting at Brooklyn, and was given full authority to act for our association while there. Several new members were nominated.

At a meeting of the Industrial Exhibition Association two delegates from the C. H. A., J. H. Dunlop and H. Simmers, were elected members of the association. THOMAS MANTON.

Brampton, Ont.

The Dale Estate has decided to again enlarge its plant. Our readers will remember that last September we partially illustrated the work being done at this establishment in erecting 21 houses, each 225 feet long. This season the addition is to be a block of 21 houses, each 262½ feet long and 17 feet wide, and a small block of seven houses, each 150 feet long and 17 feet wide. The small block is to be adjacent to the new office building also to be erected this season. The greenhouses are to be of iron frame throughout, with automatic double ventilation each side of the ridge. The contracts for the construction ironwork, the ventilation, the boilers, stokers, economizers and coal conveying machinery have been secured by the King Construction Company, of Lockport, N. Y., and Toronto, Ont.

Hamilton.

The weather is now milder and altogether good growing weather. The recent cold snap caused a marked depression in the shipping trade.

Will some one in Toronto please tell us what has become of the "Canadian Florist," the first issue of which was printed in that city some time ago? The trade in this city has heard nothing more of it.

Florists' Club.

The next meeting is to be held on March 3, and another determined effort is to be made to get a full and representative attendance. If this club was supported by those who ought to be most deeply interested in it, much profit as well as pleasure might be reaped by its members. Let every one turn out to the next meeting. Do not let the prospect of a few cents worth of business or other trivial excuse keep you away. If this club lives up to its opportunities it will permanently benefit the whole trade. Everyone admits the prices are too low, yet very few seem willing to take any concerted action to improve matters. The existence of this club offers an opportunity which, as business men, we should not neglect. The question is surely worth discussing anyway.

BEAVER.

Canna Burbank
Large, dormant pieces, 2 to 3 eyes, $1.50 per 100; $10.00 per 1000.
HOLLY FERNS, 2¼ inch pots......$4.00 per 100
KENTIAS, 3 inch 15.00 "
PHŒNIX RECLINATA, 5 inch... 15.00 "
ASPARAGUS PLUMOSUS, 2½ in. 6.00 "
Webster Bros., Plantsmen, Hamilton, Canada
Mention the Florists' Exchange when writing.

Montreal.

News Notes.

The coal famine is now a thing of the past. The price is still abnormally high, but the supply is adequate. In the future there will be many changes in the coal trade; the high-handed proceedings of the five men that control the hard coal trade of Montreal and vicinity are considered intolerable.

The wholesale price of cut flowers is the subject of much comment. The retailers claim that whatever the reasons have been for the high prices, those reasons are now past, and a lower scale of prices should take effect without delay.

Bertie Graves will open a store on St. Catherine street, near Guy. There is also a rumor that one of our leading wholesale growers will occupy a new store at the corner of Guy and St. Catherine streets on May 1.

Miss Murray has decided to keep on the greenhouses at Westmount, instead of closing, or renting them, as was originally intended.

Tom Martin, of Martin & Sons, leaves shortly for Los Angeles, Cal.

The "progressive euchre" the club was to have held on Monday night did not materialize. The reason is not at all clear. Some prominent members who should have been in a position to know better were the victims of the postponement. It would seem to be policy on the part of the executive to notify members when an affair of the kind is called off. B.

The Market.

MONTREAL. Business the past week has been of a more satisfactory character than for some past weeks. There has been a noticeable increase in sales of both cut flowers and plants, the latter especially being in increased demand.

The weather continues of the most inclement nature; twice during the past week the thermometer registered 20 degrees below zero, with a strong wind blowing the whole of the time; some growers declare that this week has been the hardest of the whole Winter. B.

TORONTO.—Business is very good, and although roses have improved very much in quality, they are still scarce. The store windows are full of bright flowers, and roses appear to be picked up as soon as offered. Violets are still plentiful and good. L. J. Vair, of Barrie, is sending in the best I see around. Carnations are generally very good. Sinclair, our commission man, is getting in some very choice ones. Dunlop is showing a few very fine cattleyas and nicely flowered rhododendrons. All the downtown florists have been busy with funeral work. Bulbous stock is very plentiful, and most of it is very good. T. M.

CARNATIONS
Rooted Cuttings.
See our advertisement on page 205
of last issue or
Send for descriptive List ready now.
J. GAMMAGE & SONS, London, Ont.
Mention the Florists' Exchange when writing.

Forcing Crocus King of the Whites.

Last Fall we procured from Holland several thousand bulbs of this new white crocus for Spring garden ornamentation. But the bulbs looked so fine, large and tempting that we decided to try them for forcing, using 25 flats for that purpose. The bulbs were placed one to two inches apart in the flats, watered and placed on shelves in a cool cellar with other bulbs. They have certainly proved highly satisfactory, being useful either for funeral work or in pans.

They were well established when brought into a cool house the first of February, and are now one mass of white tube-formed flowers, enhanced by their golden pistils.

In our childhood days the snowdrop and crocus were always sought after as harbingers of Spring. It is a native of Southern Europe.

J. BEBBINGTON.
Frederickton, N. B.

PANSIES WORTH RAISING
No more plants until they can be dug in the field.
CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES
THE JENNINGS STRAIN.
Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.
Mention the Florists' Exchange when writing.

PANSIES
Roemer's Superb Prize Pansies.
Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.
CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
Mention the Florists' Exchange when writing.

PANSY PLANTS
Largest flowering mixture of SHOW VARIETIES, extra fine transplanted plants out of cold frames, $3.00 per 1000, $25.00 per 10,000.
Bellis (Daisies). Largest double red and white, large plants $2.00 per 1000.
Gladioli. Finest light and mottled, large bulbs, $8.00 per 1000.
Semple's Aster Seed. My own raising, saved from the largest and most double flowers, only at $4.00 per lb.
Gustav Pitzonka, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSIES Fine, large, transplanted plants from cold frame, Bugnot, Cassier and Odier prize strains, 50c. per 100; $3.00 per 1000. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100; $8.00 per 1000. Asparagus, from flats, ready for potting. Sprengeri, $1.00 per 100; $7.00 per 1000. Cyclamen, from flats, $2.00 per 100; $15.00 per 1000; 2½ in. pots, $3 per 100; 3 in., $4 per 100. Terms, cash. Hill Top Greenhouses, 15-16 Gray Ave., Utica, N. Y.
Mention the Florists' Exchange when writing.

Pansy Plants
Per 100.
Large Flowering............$2.50 per 1000 $0 50
Asparagus Sprengeri, fine plants........ 2 00
Coleus, 20 var., 2 in. pots.............. 2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and 3 00
Canna Roots, 10 var...................... 3 00
CASH.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

ROSES for Spring blooming. The proper sorts. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, Gen. Jacqueminot, La France, Crimson Rambler, etc., fine 1 and 2-year field-grown plants that have never been forced; suitable for 5-in. pots at 6c.; larger for 6 in. pots at 10c.
Large flowered Clematis, finest purple, lavender, white and pink sorts, 2-year field grown or from 5-in. pots at 18c.; 1-year field-grown or from 3-in. pots at 9c. Clematis Paniculata, fine 2-year field-grown, 6c. Packing free for cash.
W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY
Rooted Cuttings........................ $30.00 per 1000
2 inch pots............................ 50.00 "
3 " " .... 75.00 "
Stock selected and in prime condition.
F. D. VREELAND, Paterson, N. J.
Mention the Florists' Exchange when writing.

HARDY ROSES, ETC.
FOR SPRING DELIVERY.
Prices on Application.
A Few HYACINTH BULBS on Hand.
C. H. JOOSTEN, 178 Chambers Street, New York
Mention the Florists' Exchange when writing.

ROSE PLANTS
Now Ready at ROSE LAWN GREENHOUSES.
American Beauty, from 2 in. pots, $6.00 per 100, $50.00 per 1000. Kaiserin, from 2 in. pots, $4.00 per 100; $30.00 per 1000.
Cash must accompany order.
J. HENRY BARTRAM, Box 5, LANDSDOWNE, PA.
Telephone 45L.
Mention the Florists' Exchange when writing.

ROSES. Clean, healthy, two and three-eye cuttings. Very superior stock

	Per 100	Per 1000
Bridesmaid, Bride,	$1.50	$15.00
Meteor, Golden Gate,	1.50	15.00
Perle,	2.00	20.00
Ivory, fine,	3.00	25.00

We do not take hard blind wood. The stock is warranted good value.
BOSTON FERNS. Fine, cool grown stock, 4 in. $15.00 per 100; 5 in. $25.00; 6 in. $40.00; 7 in. $60.00. Good profits in this stock. Plumosus, 4 in. $12.50 per 100. Sprengeri, 4 in. $8.00 per 100. Vincas, variegated strong 2 in. $2.50 per 100.
W. H. Gullett & Sons, Lincoln, Ill.
Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA
3-year-old, field-grown plants, $12.00 per 100.
ASPARAGUS SPRENGERI
Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.
The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. Springfield, O.
Mention the Florists' Exchange when writing.

WHITE and PINK ROSES
Mme. COCHET.
Strong field plants, for potting at once for Spring sales, fit for 4 and 5 in pots.
Price, $10.00 per 100. Cash, please.
BENJAMIN CONNELL, West Grove, Pa.
Mention the Florists' Exchange when writing.

LOOK! Two-Year-Old Roses Four inch pots $9.00 per 100.
Crimson Rambler, Maman Cochet, Papa Gontier, Yellow Soupert, Kaiserin, Marie Van Houtte, Bridesmaid, Marie Guillot, Lamarque, Gruss an Teplitz, White Maman Cochet, Clothilde Soupert, Hermosa, Bride, Mrs. De Graw, and Mary Washington. Mosses in ten varieties. Fine young stock, from 2½ in. pots, true to label. Send list for special quotation.
PALMS Phœnix Reclinata, 8 in. pots, $12.00 per doz. Latania Borbonica, 8 in., $10.00; 6 in., $6.00 per doz. Kentia Forsteriana, 5 in., $7.00 per doz. Kentia Belmoreana, 5 in., $7.00 per doz.; 4 in., $4.00 per doz.
VIOLETS, Marie Louise, $3.00 per 100. Hardy English Violets, $4.00 per 100. ASPARAGUS Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $20.00 per 100. ASPARAGUS Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00. VINCAS, 2 in., $2.50 per 100; 3 in., $4.00, 3½ in., $5.00, 4 in., $6.00. SANSEVIERA Zealanica, 2 in., $3.00 per 100. CHRYSANTHEMUMS, new and standard varieties, $2.50 per 100.
THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.
Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.
Edwin Lonsdale, pale lemon-white
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.
All fragrant, very double, undeniably hardy and strong growers.
HOOPES BRO. & THOMAS, Maple Ave. Nurseries.
WEST CHESTER, PA.
Mention the Florists' Exchange when writing.

PHILADELPHIA WHOLESALE FLOWER MARKET
1228 CHERRY STREET, PHILADELPHIA
Mention the Florists' Exchange when writing.

Consignments of CHOICE VIOLETS and NOVELTIES Wanted. We have a Choice Lot of DAFFODILS Fresh Daily.
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

Berberis Oregonium

Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid**, for $1.00.

J. H. HOWE, Florist, 1433 34th Ave., So. Seattle, Wash.
Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.
Tel. 28 A. **SHORT HILLS, N. J.**
Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo., J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.
Mention the Florists' Exchange when writing.

GALAX

Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100. Fancy Ferns, $2.00 per 1000. Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Southern Wild Smilax, 50 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50; Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

L. J. KRESHOVER, 110-112 W. 27th St., New York.
Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays Green Sheet Moss
W. C. SMITH, Marion, N. C.
Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**
Mention the Florists' Exchange when writing.

FANCY OR DAGGER FERNS
$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.
Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

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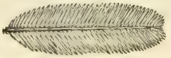

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We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

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The best in the market. Can be used 3 to 4 years, as they do not rot. New shipment expected middle of February. Orders booked now at the following prices: $6.00 per 1000, $27.50 for 5000.

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Wired Toothpicks
10,000, $1.50; 50,000, $6.25.
MANUFACTURED BY
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WE NOW OFFER
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Chicago.

News Notes.

The largest range of glass that will be added tributary to this market the coming Spring will be that of the Poehlman Bros. Co., they having recently placed orders with Geo. M. Garland for gutters and with J. C. Moninger Company for lumber for a range of ten houses, each 27x350 feet.

The George Wittbold Company will also add two houses to their present range at Edgebrook the coming Spring. They will use the Garland iron gutter and cast-iron posts. A. Dietsch & Co. will supply the necessary woodwork.

Peter Reinberg has bought a block of land east of his home on Robey street, comprising over four acres, on which he contemplates the erection of several greenhouses in the near future, possibly this Spring. The Liberty rose cuttings that this firm is sending out this season are giving high satisfaction.

The daily press has been giving the Douglas Park Conservatories great praise for the fine flowering plants on exhibition there, including some extra fine amaryllis. The houses are in charge of Charles Zapel.

The raising of the rents in the Atlas Block will no doubt cause many of the wholesalers to look for new quarters when their leases expire.

Kennicott Bros. Co. say there is one thing peculiar about the shipping orders they receive this season and that is, that four-fifths of the flowers ordered are carnations.

A trip through the Chicago Flower Growers' Company's market found nearly all stock sold out by the noon hour. The George Wittbold Company have space rented on the floor, and handle all kinds of bulbous stock, in addition to having samples of palms and ferns. The firm is doing business with people they were unable to reach before, and think it will be a paying investment.

Weiland & Risch will erect the coming Spring 50,000 feet of glass, in order to supply their increasing trade. The new range will be devoted exclusively to American Beauty roses.

C. W. McKellar is on a Southern trip in the interests of the firm of McKellar & Winterson, and will also take part in the Mardi Gras at New Orleans in company with Mrs. McKellar.

Archie Spencer is happy over the arrival of a bouncing baby boy at his home, February 19.

The many friends of Edgar Sanders will be pleased to learn that he is now able to walk all around the house, making his first trip downstairs last Sunday. There is no doubt but that he will be able to be out and around again as soon as warmer weather arrives.

John Zeck is rejoicing over the arrival of a ten-pound boy on February 11. Mother and son are doing well.

J. C. Vaughan is again at his duties after a severe siege of sickness.

ROBERT JOHNSTONE.

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Receiver and Shipper of all varieties of Cut Flowers
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Wholesale Prices of Cut Flowers, New York, February 27, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	15.00 to 30.00
	" extra	10.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	3.00 to 4.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	8.00 to 10 00
	" extra	5.00 to 6 00
	" No. 1	3.00 to 4.00
	" No. 2	2.00 to 3.00
	Golden Gate	4.00 to 10.00
	Liberty	6.00 to 10.00
	Meteor	1.00 to 5.00
Adiantum		.75 to 1.00
" Peter Crowe		...... to 1.50
Asparagus		25.00 to 50.00
Callas		8.00 to 10.00
Cattleyas		40.00 to 50.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to 25.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		1.00 to 1.50
	Standard Varieties	White	1.50 to 2.00
		Pink	1.50 to 2.00
		Red	1.50 to 2.00
		Yel. & Var.	1.50 to 2.00
	*Fancy— (*The highest grades of standard var.)	White	3.00 to 4.00
		Pink	3.00 to 4.00
		Red	3.00 to 4.00
		Yel. & Var.	3.00 to 4.00
	Novelties		4.00 to 8.00
Lilies			8.00 to 10.00
Lily of the Valley			1.50 to 2.00
Narcissus—Paper White			1.00 to 2.00
" —Yellow			.75 to 2.00
Mignonette—ordinary			4.00 to 5.00
" fancy			10.00 to 15.00
Roman Hyacinths			1.00 to 1.50
Smilax			8.00 to 12.00
Sweet Peas			1.50 to 2.00
Tulips			.75 to 2.00
Violets			.25 to .50
" special			.50 to .75
Lilac, per bunch			.50 to .75
Freesia, per bunch			.15 to .20

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METEORS
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Mention the Florists' Exchange when writing.

Boston.

A Carnation Show.

The annual exhibition of carnations, roses, and violets, under the auspices of the Boston Co-operative Flower Growers' Association, will be held Saturday, March 14, at the Flower Market. An exhibition of as high quality as seen in any recent years is now assured, and the association has offered some generous prizes. Certificates of merit will be awarded to all new carnation seedlings, or sports, not yet disseminated, which score not less than 85 points, according to the scale of the American Carnation Society. The following prizes are offered: First prize, $4.00; second prize, $2.00, for the best vase of carnations in the exhibition (50 blooms and foliage must be shown); also for vases of fifty blooms each of white, scarlet, light pink, dark pink, crimson, variegated yellow and mixed carnations, and for twenty-five roses, any color. For violets, prizes of $3.00 and $2.00 are offered for best and second best bunches of 100 violets in both single and double varieties. Intending exhibitors should apply to George Cartwright, secretary, Flower Market, Boston, for any information; and shipments should be received on Friday, March 13, or not later than 11 a. m. Saturday the 14th, and should be sent to the Flower Market, care of John Walsh, manager. The committee of arrangements includes William Nicholson, E. Sutermeister, L. W. Mann, and George Cartwright. Patrick Boyle, of Whitten's greenhouses, has taken a stall at the Flower Market, and began selling there Tuesday of last week.

W. E. Coburn, of Everett, is editing a local weekly paper styled the Everett Weekly Record, the first number of which was published February 12, and presents a good appearance.

The growers of carnations for the Boston market who exhibited at the Brooklyn show last week did very well in the matter of prizes. As usual, Peter Fisher captured the lion's share, getting the silver cup and the Lawson gold medal with a vase of Enchantress, which variety also won for him firsts in the classes for one hundred and for fifty light pink. He also won a first for a white variegated variety, with Mrs. M. A. Patten, and a second for white with Governor Wolcott. M. A. Patten was not far behind, getting the Fisher prize for best vase of Governor Wolcott and firsts for scarlet, dark pink, and white variegated, with J. H. Manley, Mrs. Thomas W. Lawson, and Gaiety respectively, and seconds for yellow variegated and light pink, with Dorothy Whitney and Fair Maid. Albert Roper's vase of 100 Fair Maid won second prize for light pink, and looked remarkably well on the second day, and S. J. Goddard's second prize vase of white with The Queen stood up very well indeed.

J. C. E. Dickerman won the Warburton prize for Cressbrook.

S. J. Reuter's Lillian Pond was certificated with the fine score of 90 points, than which there was only one better score.

J. D. Thompson, of Joliet, Ill., ran over for a few days after the Brooklyn show, and visited the leading carnationists.

Quite a small army of bulb salesmen from Belgium have been in town this week. F. J. NORTON.

Worcester, Mass.

Here and There.

It is rumored that H. F. Lange, one of the leading florists of Worcester County, is soon to take unto himself a new partner.

During the period of high price coal ($15 was the maximum here) attempts were made to heat greenhouses with kerosene oil. The most thorough trial was made by H. F. Littlefield. The Archer Heater was put in, but it was found more expensive than coal at $30 per ton. The heat was regular, insuring uniform temperature in the houses. As a labor-saver oil outdistanced coal, but the quantity consumed more than offset the saving.

C. D. Mackie, the last comer into the field, reports a rapidly increasing business. Mr. Mackie makes a specialty of house decorating.

W. E. Sargent, for a number of years in business for himself, has closed up his store and entered the new establishment of C. D. Thayer, on Main street.

F. S. Fisher & Son a short time ago opened up another store, with Mrs. Fisher in charge.

Leonard Cousins, of Potter & Cousins, West Boyleston, is planning to locate in the vicinity of Boston about June 1.

All the florists report a heavy trade in funeral work. CAROLUS.

Providence, R. I.

Jottings.

The crowd returned from the Carnation Society's meeting with words of praise, notwithstanding the poor weather.

Smilax is out of the local market entirely, and Boston is furnishing us a supply for the present.

T. F. Keller & Co. are reported as making arrangements to move to the store next to their present location, formerly occupied by a fruit dealer.

The death rate of Providence increased 6 per cent. over the average for the month of January, thereby occasioning a larger demand for design work.

Last week's issue should have referred to the fine outlook for F. Macrae's lilies.

Prosperity carnations have retailed as high as $3.00 per dozen this season, but generally $1.25 to $1.50 has been the selling price, with few takers.

C. S. MACNAIR.

PITTSBURG CUT FLOWER CO. LTD.
Wholesale Florists
PITTSBURG, PA.

On and after March 2, we will be located at
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LEO. NIESSEN, PHILADELPHIA
Mention the Florists' Exchange when writing.

"Koral" HEADQUARTERS FOR
Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Boston Feb. 25, 1903	Phil'delphia Feb. 24, 1903	Baltimore Feb. 18, 1903	Buffalo Feb. 24, 1903	Pittsburg Feb. 24, 1903
Roses		A. BEAUTY, fancy—special	...... to 60.00	...... to	...... to	50.00 to 75.00	40.00 to 60.00
		" extra	40.00 to 50.00	40.00 to 50.00	...... to	25.00 to 35.00	25.00 to 35.00
		" No. 1	20.00 to 35.00	25.00 to 30.00	25.00 to 40.00	...... to	12.00 to 16.00
		" Culls and Ordinary	6.00 to 12.00	15.00 to 20.00	8.00 to 20.00	5.00 to 8.00	6.00 to 8.00
		Queen of Edgely	...... to	20.00 to 50.00	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	...... to 16.00	...... to	...... to	15.00 to 18.00	...... to 12.00
		" extra	12.00 to 14.00	15.00 to 18.00	...... to	10.00 to 12.00	8.00 to 10.00
		" No. 1	8.00 to 12.00	10.00 to 12.00	8.00 to 10.00	6.00 to 8.00	4.00 to 6.00
		" No. 2	4.00 to 8.00	6.00 to 8.00	5.00 to 7.00	4.00 to 5.00	2.00 to 3.00
		Golden Gate	...... to	6.00 to 15.00	5.00 to 12.00	3.00 to 10.00	...... to ......
		K. A. Victoria	...... to	6.00 to 18.00	5.00 to 8.00	...... to	...... to ......
		Liberty	8.00 to 25.00	15.00 to 40.00	...... to	4.00 to 15.00	4.00 to 12.00
		Meteor	6.00 to 16.00	6.00 to 15.00	...... to	2.00 to 8.00	4.00 to 10.00
		Perle	...... to	6.00 to 15.00	4.00 to 6.00	5.00 to 8.00	4.00 to 6.00
		ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
		Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations		Inferior grades, all colors	...... to 2.00	...... to	1.00 to 1.75	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES	White	...... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
		Pink	...... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
		Red	...... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
		Yellow and var.	...... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
	*FANCY (*The highest grades of standard var)	White	...... to 4.00	4.00 to 6.00	3.00 to 5.00	3.50 to 5.00	5.00 to 6.00
		Pink	...... to 4.00	4.00 to 6.00	3.00 to 5.00	3.50 to 5.00	4.00 to 5.00
		Red	...... to 4.00	4.00 to 6.00	3.00 to 5.00	3.50 to 5.00	3.00 to 4.00
		Yellow and var.	...... to 4.00	4.00 to 6.00	3.00 to 5.00	3.50 to 5.00	...... to 3.00
		NOVELTIES	5.00 to 6.00	...... to	...... to	6.00 to 8.00	...... to ......
		ADIANTUM	...... to 1.00	...... to 1.00	...... to 1.00	.75 to 1.25	1.00 to 1.50
		ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 60.00	20.00 to 50.00	30.00 to 50.00
		CALLAS	8.00 to 12.00	...... to	8.00 to 12.00	10.00 to 12.50	10.00 to 15.00
		CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	...... to ......
		DAFFODILS	1.50 to 2.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
		DAISIES	...... to	...... to 2.50	...... to	...... to	1.00 to 1.50
		FREESIA	2.50 to 5.00	...... to	1.00 to 2.00	2.00 to 4.00	1.50 to 3.00
		GALAX LEAVES	...... to	...... to .15	...... to .10	.10 to .15	...... to ......
		HYACINTHS	1.50 to 2.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	1.00 to 3.00
		LILIES	8.00 to 12.50	15.00 to 20.00	...... to 12.00	10.00 to 15.00	10.00 to 15.00
		LILY OF THE VALLEY	2.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 5.00	3.00 to 4.00
		MIGNONETTE—Ordinary	...... to 3.00	...... to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00
		" Fancy	...... to 4.00	...... to	...... to	5.00 to 6.00	...... to ......
		NARCISSUS	1.50 to 2.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	1.00 to 3.00
		SMILAX	12.00 to 16.00	...... to 15.00	10.00 to 25.00	...... to 15.00	12.00 to 15.00
		STEVIA	...... to	...... to	...... to	...... to	...... to ......
		SWEET PEAS	...... to 1.00	...... to	...... to	1.00 to 2.00	.50 to 1.50
		TULIPS	2.00 to 4.00	...... to 4.00	...... to 3.00	3.00 to 4.00	3.00 to 5.00
		VIOLETS	.40 to .75	1.00 to 1.50	.50 to .75	.40 to .75	.20 to 1.25

BOSTON, MASS.
WELCH BROS.
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St. Louis.

ews Jottings.

The club entertainment in the odd Fellows' building the evening of he 14th proved a great success in every articular. Although it was a very isagreeable night outside, there were bout seventy-five persons in attendnce. Those who took part in the enertainment were: Messrs. Carew Saners, Frank Fillmore, J. J. Beneke, rank Ellis, F. B. Call and Fred Amann. Miss Laura Sanders performed piano solo and Miss Jessie Sanders ecited and sang. Miss Helen Ellis endered a piano solo, as did Mr. Juenel's children. After this refreshments ere served. The regular monthly eeting of the club was held on the 3th, with thirty-nine members present. It was a carnation meeting, and ne of the most successful and most argely attended of the year. Followng were the exhibitors and exhibits: hicago Carnation Co., Joliet, Ill., represented by James Hartshorne, with arlowarden, Mrs. Higinbotham, Her ajesty, Marshall Field and Mrs. Potter Palmer. S. J. Reuter, of Westerly, I., sent Lillian Pond; Henry Eicholz, Waynesboro, Pa., Tiger. Dorner Sons Co., of Lafayette, Ind., howed Stella, Alba, Apollo and Dorohy Whitney. William Murphy, of Cininnati, Ohio, exhibited his beautiful hite, bearing his name. E. T. Grave, ichmond, Ind., had some good Presient McKinley. The St. Louis Carnaion Co. staged very fine Norway, hich captured second prize. J. F. mmann, of Edwardsville, took first rize with his White Cloud, and Morng Glory, and Guardian Angel. A. ablonsky, of Wellston, brought in ome extraordinary Peru, and a vase f mixed carnations. The third prize or the local growers went to the St. lair Floral Co. for a vase of mixed orts and their white seedling, No. 10. ohn Steidle, Central, Mo., entered a ixed vase, and F. J. Fillmore, Hoosier aid and The Marquis.

Of the outside exhibits Harlowarden as judged the finest crimson variety f the year; Mrs. Higinbotham a deided improvement on Daybreak; Her ajesty, Alba, Murphy's White and illian Pond, very fine, large whites; arshall Field an improvement on Mrs. eorge M. Bradt; Apollo an exceptionlly fine scarlet; Dorothy Whitney a ood yellow; The Tiger the best thing n the line of oddities.

The subject of express rates on cut ower shipments was discussed, and committee appointed to take up the atter and report at the next meeting. G. Berning is chairman.

The next meeting occurs March 12.

Visitors in town last week were: harles Meyer, New York; J. C. Hillerand, of Holland; Charles Loechner, epresenting Suzuki & Iida, of New ork; James Hartshorne, of Joliet, Ill.

James Gurney has severed his onnection with the Missouri Botanical arden.

The Strunk Shade Tree Company has een incorporated, capitalized at $25,000.

Wm. Hagemann, bulb importer, of ew York, and Mr. Parmalee, of Allan Co., pea and bean growers, were vistors Monday.

The North Floral Company has closed ts store at Ninth and Olive.

H. G. Berning is on the sick list.

The St. Louis Palm Company opened p an attractive store at 923 Olive treet last week. The concern sells repared palms and artificial flowers, s well as cut fresh flowers.

Bentzen Floral Company is getting ids for the erection of another house.

The Engelmann Botanical Club is aranging to supply the St. Louis school hildren with trees and shrubs, as they id flower seeds last season.

F. W. M.

Cincinnati.

ews of the Week.

We are experiencing now a little ild weather; and with the few days f sunshine stock is coming in better, both in quantity and quality. Violets, while not in over-supply, are sufficient to fill the demand. St. Valentine's Day aused a little flutter in the market for red flowers, which were, of course, hard to obtain.

I find, after visiting New York, that Cincinnati has just as good stock as the metropolis and I have returned home much better satisfied with my lot. The Carnation Society's exhibition was very good, indeed, but it would take an expert to say that it was a better exhibition than we had at Indianapolis last year. To my notion, in all the appointments Indianapolis has yet to be beaten. I am not throwing any cold water at our Brooklyn friends, for they treated us royally.

My visit to the greenhouses of C. W. Ward and the Dailledouze Bros. well paid me for my trouble, and one who is the least bit observant could not help learning something. White Bradt, as it is grown at the last-named place, is certainly an acquisition; but, as Eugene Dailledouze says, "If you can grow Mrs. Bradt you can grow White Bradt, but if you can't grow Bradt, let White Bradt alone, for it is identical with the parent." Some seedlings here were also worth noting, one white especially that measured four and one-half inches in diameter.

At Mr. Ward's I saw the best house of Mrs. Lawson, and all kinds of crimsons; but as crimsons are of little use in our market they did not interest me as much as some other sorts grown there.

The directors of the Carnation Society were wise in changing the date of next year's meeting to the first week in March, as we certainly will not have zero weather to contend with then.

E. G. GILLETT.

Indianapolis, Ind.

News Notes.

Bertermann Bros. came near having their large wagon destroyed by fire this week. The canvas lining was ignited by the oil stove, and it was but a few moments until the whole interior was ablaze. Luckily the fire department put a quick stop to the fire.

Herman Junge went to Adrian, Mich., on business Monday. Quite a lot of palms were ruined in transportation during the severe cold spell last week. It seems that a florist cannot afford to rent palms at less than $6.00 per dozen, when the thermometer registers below zero.

Anthony Wiegand is again able to be up and around after a severe attack of rheumatism.

A. Baur was the only florist from this city in attendance at the Carnation Society's meeting.

The flower market at Tomlinson Hall has been rather deserted on account of the severe weather, and business has been somewhat duller than usual.

Messrs. Huckriede & Son are cutting a fine crop of Harrisii lilies.

A local newspaper (The Indianapolis Sentinel) states that a new substance has been discovered in Washington, D. C., which will cause a plant to grow and bloom and fade within a few hours. Experts are now at work trying to apply it to floriculture in a practical way.

I. B.

Baltimore.

The News.

The annual election and supper take place at the next meeting. The delegates to the Carnation Society's convention were very much impressed with the gathering at the show at Brooklyn. The carnation, The Bride, at Mr. May's, was considered the finest thing in white carnations by the visitors. Dailledouze Bros.'s White Bradt also received much commendation.

Halliday Bros. and I. H. Moss are cutting fine stock of carnations at present. Mr. Moss is going in heavy on Lillian Pond for another year.

Coal is down to $4.40 per ton for soft coal in car-load lots.

E. A. SEIDEWITZ.

Toledo, O.

We have had more sunshine the last two weeks than in the past two months, consequently there has been a large supply of blooms. The demand for cut flowers has far exceeded the supply and our florists have not been dismayed at the high price of fuel, as their profits have been high on all sales.

E. H. Cushman, of the Cushman Gladiolus Company, was in town this week, and reports large sales of gladiolus bulbs.

Miss Belle Flick has been displaying some beautiful palms in her show windows on Madison street. C. J. S. P.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Feb. 24, '03	St. Louis Feb. 20, '03	Cincinnati Feb. 24, '03	Milwaukee Feb. 20, '03	Detroit Feb. 25, '03
	A. BEAUTY, fancy—special	45.00 to 50.00	...... to 50.00	...... to 50.00	35.00 to 45.00	...... to 50.00
Roses	" extra	40.00 to 45.00	25.00 to 40.00	...... to 40.00	20.00 to 25.00	..... to 40.00
	" No. 1	25.00 to 35.00	10.00 to 20.00	25 00 to 35.00	15.00 to 18.00	..... to 25.00
	" Culls and Ordinary	6.00 to 12.00	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00	...... to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	10.00 to 12.00	...... to 8.00	10.00 to 12.00	...... to 20.00	..... to 12.00
	" extra	8.00 to 10.00	...... to 7.00	8.00 to 10.00	...... to 8.00	...... to 10.00
	" No. 1	6.00 to 8.00	...... to 6.00	6.00 to 8.00	...... to 6.00	..... to 8.00
	" No. 2	4.00 to 6.00	4.00 to 5.00	4.00 to 6.00	...... to 4.00	...... to 6.00
	Golden Gate	6.00 to 12.00	5.00 to 8.00	4.00 to 10.00	4.00 to 20.00	6.00 to 10.00
	K. A. Victoria	..... to	4.00 to 8.00	...... to	4.00 to 8.00	...... to ....
	Liberty	6.00 to 25.00	4.00 to 8.00	4.00 to 15.00	4.00 to 12.00	..... to ......
	Meteor	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00	6.00 to 12.00
	Perle	4.00 to 10.00	4.00 to 8.00	...... to 4.00	4.00 to 6.00	6.00 to 8.00
	ORCHIDS—Cattleyas	45.00 to 50.00	...... to	...... to	...... to	...... to 50.00
	Cypripediums	5.00 to 18.00	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.50 to 2.00	1.50 to 2.00	..... to	...... to	...... to ....
	STANDARD VARIETIES White	2.00 to 3.00	2.50 to 3.00	...... to 2.00	...... to 2.00	2.00 to 3.00
	Pink	2.00 to 3.00	2 50 to 3.00	1.50 to 2.00	...... to 2.00	2.00 to 3.00
	Red	1.50 to 3.00	2.50 to 3.00	1.50 to 2.00	...... to 2.00	2.00 to 3.00
	Yellow and Var.	2.00 to 3.00	2.50 to 3.00	...... to	..... to 2.00	2.00 to 3.00
	*FANCY— (*The highest grades of standard var) White	4.00 to 5.00	...... to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	Pink	3.50 to 5.00	..... to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	Red	4.00 to 5.00	...... to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	Yellow and Var.	4.00 to 5.00	...... to 4.00	3.00 to 4.00	3.00 to 4 00	3.00 to 5.00
	NOVELTIES	6.00 to 8.00	...... to	..... to	...... to	..... to ....
	ADIANTUM	.75 to 1.50	...... to	...... to 1.50	...... to ...	..... to 1.50
	ASPARAGUS	20.00 to100.00	10.00 to 20.00	30.00 to 50.00	20.00 to 40.00	20.00 to 75.00
	CALLAS	8.00 to 12.00	10.00 to 15.00	12.00 to 15.00	.... to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	..... to ....
	DAFFODILS	2.00 to 5.00	..... to 4.00	4 00 to 5.00	2.00 to 3.00	3.00 to 4.00
	DAISIES	.75 to 2.00	..... to	...... to	...... to .50	...... to ......
	FREESIA	2.00 to 3.00	1.00 to 2.00	...... to	...... to 2.00	3.00 to 4.00
	GALAX LEAVES	.... to .15	..... to .15	...... to .15	..... to .20	.... to .10
	HYACINTHS	2.00 to 3.00	.... to 3.00	...... to 4.00	...... to	3.00 to 6.00
	LILIES	12.50 to 15.00	12.50 to 15.00	18.00 to 20.00	...... to	14.00 to 16.00
	LILY OF THE VALLEY	2.00 to 5.00	..... to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	...... to	...... to	...... to	...... to 3.00
	" Fancy	6.00 to 8.00	...... to 5.00	...... to	...... to	. .... to 5.00
	NARCISSUS	2.00 to 3.50	...... to 4.00	..... to 3.00	...... to	3.00 to 4.00
	SMILAX	12.50 to 15.00	12.50 to 15.00	12.00 to 15.00	...... to 18.00	12.50 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ...
	SWEET PEAS	1.00 to 1.50	1.00 to 1.50	...... to	.50 to .75	.90 to 1.00
	TULIPS	2.50 to 5.00	3.00 to 4.00	. ... to 4.00	..... to 3.00	4.00 to 8.00
	VIOLETS	.50 to 1.50	.25 to .50	.50 to 1.00	.50 to .75	.90 to 1.00

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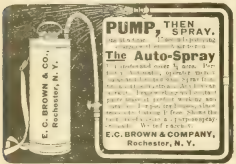
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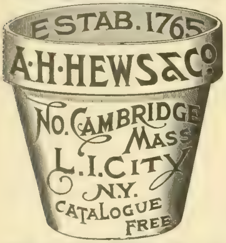

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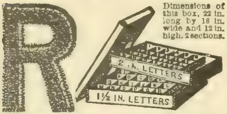

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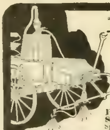

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1500	2¼ " "	5.25	60	8 " "	3.00
				HAND MADE.	
1500	2½ " "	6.00	48	9 in. pots in crate,	$3.60
1000	3 " "	5 00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3 60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4.51	12	14 " "	4 80
144	6 " "	3.16	6	16 " "	4.50

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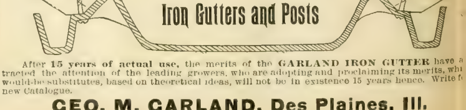

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Cleveland.

Convention Echoes.

The returning members of the Carnation Society are endless in their praise for the hospitality shown, and of the show, as few of them had ever seen such flowers as were exhibited at Brooklyn. Two of Cleveland's seedling carnations went to the exhibition, but failed to bring back any blue ribbons or certificates.

A goodly number of growers from this city have exhibited at former carnation shows, and all seem to meet the same fate, as the grade of flowers they show is not up to the standard. Can it be that the weather conditions here are the cause of the trouble, or is it that we do not know how to grow carnations? Seedling carnations that have originated and have been grown here and have produced more and larger flowers than the standard varieties in their color and class are sent year after year to the shows, and the first certificate is yet to come home. One variety your correspondent knows of was exhibited this year; the flowers were all over three inches and the stems two feet in length, of a perfect color and competing with any other standard variety grown here. Under these conditions a grower loses interest in the shows, as it is a fact well known to him that his flowers are better than any home-grown ones under the same conditions. I think that the judges at these shows are passing too many good commercial sorts and giving all the honors to some of the large varieties that do not pay the average florist to grow, for the reason that they will not produce enough flowers at the average price.

Robert Upitz, well known among the florists of the city, lost his son Fred, aged 15 years, last week. An operation for appendicitis was the direct cause of his death. G. W. S.

Business Note.

"If you expect to conquer in the battle of to-day you will have to blow your trumpet in a firm, determined way. If you toot your whistle only, and lay aside your horn, there is not a living soul will know you were ever born. The man who advertises with a sort of sudden jerk is the man who blames the printer-man because it wouldn't work. The man who gets the business uses lots of printer's ink—not a clatter, not a spatter, but an Ad. that makes you think—and plans his advertisements as he plans his store and stock, and the future of his business is as solid as a rock."—Exchange.

Firms Who Are Building.

DANVILLE, N. Y.—Frank M. Smith will build eight new greenhouses, each 100 feet in length. Four of them are well under way now.

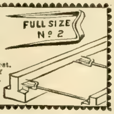
WEEPING WATER, NEB.—Will Carter and George Bartle are erecting a greenhouse here.

AKRON, O.—H. Heepe's Sons are preparing to build two new greenhouses.

CYPRESS

Green House Material
Hot Bed Sash Red Cedar Posts
Write for circulars or estimate.
LOCKLAND LUMBER CO.
LOCKLAND, OHIO
Mention the Florists' Exchange when writing.

Holds Glass Firmly
See the Point ☞
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



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FOR THE COMMERCIAL AND PRIVATE GROWER.
Construction the Latest,
Material the Best,
Prices Reasonable.
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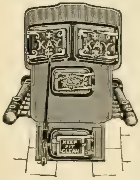
244 FULTON ST., NEW YORK



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WROUGHT IRON
PIPE, FITTINGS,
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Greenhouse Material
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New Twin Section Boiler.
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S. JACOBS & SONS, Manufacturers
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We Furnish Everything for Building.
Greenhouse GLASS
AT WHOLESALE.
GET OUR PRICES BEFORE ORDERING.
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RED GULF CYPRESS
Greenhouse Material.
STRICTLY FREE FROM SAP.
We carry in Stock the Largest Assortment of Air-dried Cypress in the North.
Send in your inquiries for CYPRESS AND ALL OTHER KINDS OF GREENHOUSE MATERIAL, allowing us to submit prices and samples before you place your orders. We believe we can convince you of the superiority of our goods.
Greenhouse Heating and Ventilating Catalogue and Greenhouse Construction Catalogue will be sent on receipt of five cents postage for each.
LORD & BURNHAM COMPANY
NEW YORK OFFICE ST. JAMES BLDG. BROADWAY AND 26TH ST.
General Office and Works, Irvington-on-Hudson, N. Y.
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EUREKA GREENHOUSES
Manufactured by the
DILLON GREENHOUSE MFG. CO.,
BLOOMSBURG, PA.
Are especially planned for the florist trade. They are furnished ready to erect. All cuts made with full directions and blue prints, so that any practical man can put them up.
Our Patent Composition Gutter Plates and Posts, Structural Steel Purlins, Braces and Supports, and Air Dried Gulf Cypress Sash Bars (free from sap), make the best and cheapest greenhouses built to-day. Six different sizes.
Send for Circulars.
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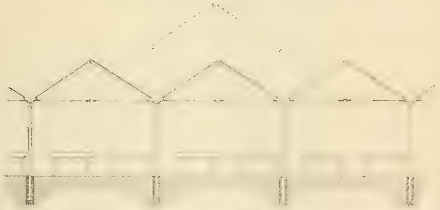

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.
SHORT-ROOF GREENHOUSES. (PATENTED)
Approved and Adopted by Leading Florists all over the Country.
WE CLAIM THE FOLLOWING ADVANTAGES:
Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.
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A. DIETSCH & CO., PATENTEES.
Washington Red Cedar and Lousiana Cypress Greenhouse Material, Hot-Bed Sash and Greenhouse Hardware.
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New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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	Per 100
Abutilon Savitzii, from 2 in. pots	$3.00
Asparagus Comorensis, strong 3 in. pots, $1.00 per doz.	
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Largest Stock in the Country

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FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
170 Fulton St.,
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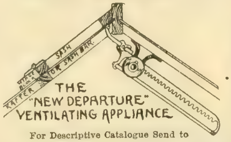
For a Very Little Money, Get



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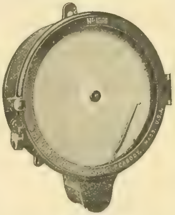
Improved Recording Thermometer

JUST THE THING FOR YOUR GREENHOUSE.



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Send for catalogue and prices.

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They represent the amount of square feet of glass required to glaze houses furnished by us during 1902.

Every shipment proved highly satisfactory.

If you contemplate building, write us.

IT PAYS TO PAY FOR QUALITY

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GREENHOUSE MATERIAL
111 TO 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
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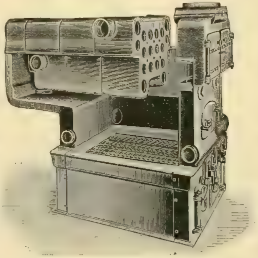
Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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ESTABLISHED 1844.

233 Mercer Street, New York.

FIVE PATTERNS OF BOILERS,
Nineteen Sizes.

Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"
for Slate Tops.

Send 4c. Postage for Illustrated Catalogue

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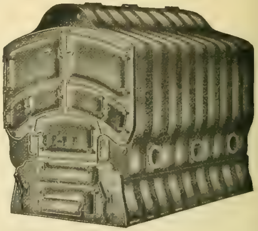
THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

Mention the Florists' Exchange when writing.

The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS.

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S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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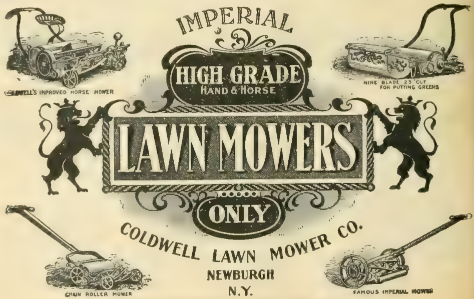

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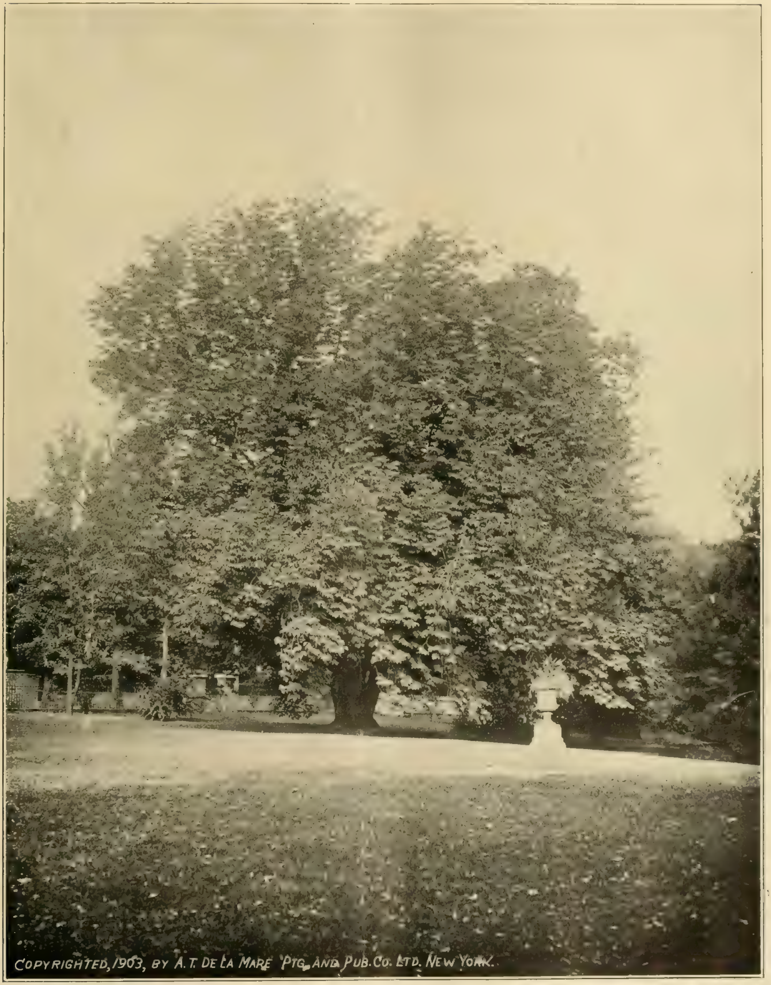

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Plate 48

ULMUS CAMPESTRIS SUPERBA—The Belgium Elm

On the grounds of Messrs. Ellwanger & Barry, Rochester, N. Y. Planted in 1841 by Mr. George Ellwanger. Height, 70 feet; spread, 85 feet 7 inches. Its dimensions give an idea of the tree's extremely rapid and vigorous growth, although the figures and picture are inadequate to express its living amplitude, as well as the symmetry of its vast green tent in Summer, and the pomp of its great gilded October canopy.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 10 NEW YORK, MARCH 7, 1903 One Dollar Per Year

We are now booking orders for the

NEW SCARLET CARNATION FLAMINGO

For Delivery January, 1904

Those who saw it will endorse our statement that it is, without question, the most aluable New Variety shown at the Carnation Convention last week. All the leading xperts agreed on its great value. We want a good scarlet carnation, and this is a great dvance in this color. It is by far the largest scarlet carnation yet raised, borne on long, trong, stiff stems, and is a free and early bloomer. It will rank in quality with Mrs. Thos. V. Lawson, Enchantress, Prosperity, Etc. Was awarded the Lawson Silver Medal and he S. A. F. Silver Medal. Scored 90 points.

There is sure to be a tremendous demand for this, and if you want to secure early lelivery, order should be placed without delay. Orders will be filled strictly in rotation s received, so the earlier you book order, the earlier delivery we can make. Let us ave order at once while the matter is in mind.

We shall also have to offer for 1904 the following exceptionally valuable New Carnations

NELSON FISHER, MRS. M. A. PATTEN and ALBATROSS

Price of all the above, named varieties,

$12.00 per 100; $100.00 per 1000.

We offer also

NEW WHITE CANNA MONT BLANC

Delivery March, 1903

This is the most valuable new variety that has been offered in years. It is an exceedingly ree bloomer, producing large spikes of white flowers on strong branching spikes borne well above the foliage. Dwarf habit—identical with Mme. Crozy in height and style of growth. ts great masses of snowy blossoms contrast splendidly with the crimson, pink and yellow arieties, and it will be found indispensable in all fine Canna collections. A Novelty of terling Merit.

$0.75 each; $7.50 per dozen; $50.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

GRAFTED STOCK

Plant Early for Summer

Standard sizes
2 1/4
2 1/4
Own Roots
Grafted

NOW READY

GRAFTED –

Kaiserin and Carnot, $15.00 per 100; $120.00 per 1000.

OWN ROOT STOCK—

Kaiserin, Carnot, Bride, Bridesmaid, $4.00 per 100; $35.00 per 1000.

READY FOR DELIVERY, APRIL 1st.

GRAFTED—

Bride and Bridesmaid, $15.00 per 100; $120.00 per 1000.

Please place your Orders at once as Stock will be limited

W. H. ELLIOTT, Brighton, Mass.

SEE OUR

SPECIAL ADVERTISEMENT

On Page 255 of This Number

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., Cor. Jane St., New York City

Telephone 4390 Spring

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants

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Ask for Special Trained Fruit Tree Circular.

ENGLISH MANETTI for grafting Tea Roses, $12.00 per 1000.

ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field-grown, extra strong, $4.00 per doz.; $30.00 per 100.

ENGLISH IVIES, pot-grown $10.00, $12,00, $15.00 per 100. Specimens, $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

FRENCH FORCING LILACS, bushy, 3-4 ft., $9.00 per doz.

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000

DIELYTRA Spectabilis Bleeding Heart extra strong clumps, for forcing. Per 100, $5.00 per 1000, $45.00.

SPIRÆA		100	1000
SPIRÆA	Japonica	$4.00	$35.00
"	Compacta	4.50	40.00
"	Astilboides	5.00	45.00
"	Gladstone	8.00	

ASPARAGUS Sprengeri Seed, $2.50 per 1000.

Dahlias, 50 varieties. See catalogue.

RHODODENDRONS for Easter forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

AZALEA MOLLIS

These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

GEBERA JAMESONI (The Barberton Daisy), 2½ in. pots, 20c. ea.; $2.00 per doz.; $15.00 per 100.

NEW ROSE SOLEIL D'OR, strong 2-year-old plants, 35c. each; $3.50 per doz.

CANNAS, 15 leading varieties, $2.00 per 100; $15.00 per 1000.

JAPAN FERN BALLS, dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

JAPAN LILIES. See Wholesale Catalogue.

AUCUBA JAPONICA,	12-15	$2.50	per doz.;
	15-18	3.50	"
" **VARIEGATA,**	18-24	5.00	"

GARDENIA VEITCHII, 6 in. pots, $6.00 a doz. 7 in. pots, $12 per doz.

PEONIES, GLADIOLUS, CALADIUMS, and other Roots and Bulbs. See Wholesale Catalogue

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford N. J.

OH MY! THAT TERRIBLE WIND

DID YOU EVER GROW THEM? GROW WHAT?

SWEET SULTANS

Fine for cutting during May and June. Should be sown now for good results

Rose Color,	Tr. Pkt. 15c.;	Oz. 50c.
Dark Blue,	" 15c.;	" 50c.
White,	" 15c.;	" 50c.
Yellow,	" 15c.;	" 50c.

WM. ELLIOTT & SONS,
NEW YORK.

Mention the Florists' Exchange when writing.

SPECIAL OFFER

BULBS SUMMER FLOWERING

(F. O. B., N. Y.)

BEGONIAS (Tuberous).

	100	1000
Single, separate colors	$2 25	$20 00
Double " "	3 00	40 00

Mixed, 5 per cent. cheaper.

GLOXINIAS.

	100	1000
Named kinds	4 00	35 00
Mixed	3 50	30 00

CALADIUM (Fancy-Leaved).

	Doz.	100
20 Named varieties	$1 50	$12 00

CALADIUM ESCULENTUM

Sound Center Shoots. F. O. B., N. Y.

	100	1000
5-7 inch	$2 50	$20 00
7-9 "	3 50	30 00
9-11 "	5 50	50 00

TUBEROSES.

Excelsior Dwarf Pearl, Hallock Strain.

	100	1000
Hand picked, 4-6 inch	$1 00	$9 00
Special medium, 3½-4 inch	75	6 00
" " 3-4 inch	65	5 00

SOUND BULBS.

	Doz.	100
Lilium Auratum, 7-9	$0 85	$5 50
" " 9-11	1 15	8 00
" **Rubrum**, 7-9	85	6 00
" " 9-11	1 25	8 50
" **Album**, 7-9	95	6 00
" " 9-11	1 25	8 50

GLADIOLUS.

	100	1000
Fine mixed	$0 85	$7 50
Light and White	1 50	12 50
Vaughan's Superfine Light and White, part from named	1 75	15 00
May	1 50	12 00
Augusta	4 25	38 00
Shakespeare	5 00	45 00
Brenchleyensis	75	6 00

Our Flower Seed Offer, last issue, page 218, still holds good.

VAUGHAN'S SEED STORE
84 & 86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK

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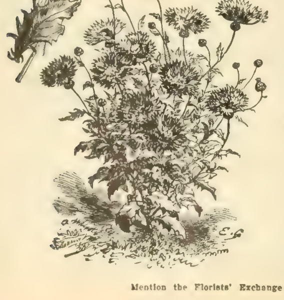

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SWEET SULTANS

(Centaurea Imperialis.)

The beautiful, artistic, sweet scented flowers are borne on long, strong stems and when cut stand for a week in good condition. A splendid thing for cutting during April, May and June. Should be sown at once. We can supply in the following colors:

	Trade Pkt.	Oz.
PURE WHITE	$0.20	$0.75
DELICATE LILAC	.20	.75
BRILLIANT ROSE	.20	.75
DEEP LAVENDER	.20	.75
DARK ROSE	.20	.75
DEEP PURPLE	.20	.75
FINEST MIXED COLORS	.20	.60

There is still time to sow **Ageratums, Petunias, Lobelias, Pyrethrum, Verbenas, Vincas, etc., etc.**

Our Wholesale Price List gives a complete list; if you have not a copy we will send you one on receipt of your business card or other evidence showing that you are entitled to receive it.

DREER
714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

The best in the market. Can be used 3 to 4 years, as they do not rot.

$6.00 per 1000, $27.50 for 5000.

HYACINTH STAKE

Just the stake for tying Hyacinths, Fuchsias and pot plants, 18 inches long.

Natural, $1.25 per 1000; Dyed Green, $1.75 per 10

STUMPP & WALTER CO., 50 BARCLAY ST
NEW YORK.
BRANCH, 404 EAST 34TH ST.

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RAWSON'S Arlington Tested Seeds
FOR THE FLORIST
CATALOGUES MAILED FREE

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

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GLADIOLI BULB

For Forcing.

Augusta, May, Shakespeare, Brenchleyens. Also bulbs of Mrs. Beecher, Ben Hur a **No. 1900.** 25,000 small grade of Augusta at $4. and $5.00 per 1000. Send for list with prices.

JOHN FAY KENNELL, Box 405 **Rochester, N.**

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CHAS. F. MEYER

19 BARCLAY STREET, NEW YORK.

WHOLESALE IMPORTER OF

Lily of the Valley
Roman Hyacinths and Paper Whites
Dutch Bulbs
Bermuda and Japan Lilies
Azaleas and Palms
Nursery Stock

Azaleas from the celebrated nurseries of
The Ad. D'Haene Co., Ltd., Ghent.

15 per cent. each of the varieties Simon Mardner and Mme. v. d. Cruyssen guaranteed.

MOTTO—High-Grade Quality.

Prices rock-bottom. Correspondence solicited

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Theodosia B. Shepherd Co

VENTURA-BY-THE-SEA, CAL.

Farfugium Grande, tubers, 2½ to 3 in. diam., $11.00 per 100; 1-in., $5.00 per 100; in., $3.00 per 100, postpaid. From 4-in. po $10.00 per 100; $1.50 per doz.

Epiphyllum Lateritium Alba (Christm Cactus), small blooming plants, $2.50 to $5. per 100, postpaid.

Epiphyllum Violaceum (Christmas Cactu small blooming plants, $2.50 to $5.50 per 1 postpaid.

Pteris Tremula, from 2½-in. pots, $3.00 p 100, postpaid.

Seaforthia Elegans, from 2½-in. pots, $3.50 p 100, postpaid.

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Spiræa Japonica, Compacta Multiflora, Astilboides Floribund

$3.00 per 100.

DEUTZIA Lemoinei	$15.00	per 100
LILACS, for forcing	35.00	"
AZALEA Mollis	40 00	"
" **Pontica**	45.00	"
ROSES, best varieties	10.00	"

FERN BALLS, large, 7-9	$22.50	per 1
" " extra, with tin cups	35.00	"

TUBEROSES, the Excelsior Pearl, 4-6, $7. per 1000; 3-4, $3.00 per 1000.

Prices on all Spring Bulbs & Plants cheerfully gi

F. W. O. SCHMITZ, Prince Bay, N. Y

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GLADIOLI

Our Motto: QUALITY FIRS
We have, however, a suff cient quantity to supply a demands.
Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone **9x.** **BERLIN, N. Y**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGER

New Crop Seed, 1000, $1.00; 5000 for $3.00.

SMILAX SEED, 25c. per oz.

Hybridized Carnation Seed

MIXED.

Seed from Mrs. Lawson, Governor Roosevelt, Governor Wolcott, Violania, Apoll and Golden Beauty, 100 Seeds, $1.00 From Standards, 100 Seeds, 25c.

CALIFORNIA CARNATION CO., Lock Box 103, **LOOMIS,** Placer Co., **CAL.**

Mention the Florists' Exchange when writing.

SOW NOW!

EASONABLE SEEDS
URE TO GERMINATE
PECIAL PRICES
EE CATALOGUE

WALTER MOTT SEED & BULB CO.,
JAMESTOWN, N. Y.

Mention the Florists' Exchange when writing.

NEW CROP ASPARAGUS SEED Just Received

True American Grown Seed

Asparagus Sprengeri.............100 seeds, 15 cts.; 1000 seeds, $1.00, 5000 seeds, $4.50
Asparagus Plumosus Nanus, " 90 cts.; " 8.00; " 37.50

JAPANESE LILIES (Scarce)

Lilium Auratum, 8-9.......................doz., 75 cts.; 100, $4.50.
" **Spec. Rubrum,** 8-9........................ " 75 cts., " 5.50.
" " " 9-11........................ " $1.00; " 7.50.

PRIZE GLADIOLI—Selected Bulbs

Grown by a well-known Specialist. Quality Unsurpassed.

	Doz.	100	1000		Doz.	100	1000
Floracroft Mixture—				White and Light	25c.	1 75	15.00
1st size	20c.	$1.00	$9.00	Striped and Variegated	30c.	2.25	20.00
2d size	15c.	.80	7.00	Scarlet and Red Shades, mixed	20c.	.80	7.00
Brenchleyensis, bright scarlet	15c.	.90	8.00	Groff's Hybrids, mixed	40c.	2.75	25.00
Orange and Yellow	35c.	2.50	24.00	J. & S. Special Mixture	15c.	.75	6.50
Pink Shades	20c.	1.25	12.00				

JOHNSON & STOKES, 217 and 219 MARKET STREET, **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

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DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

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DAHLIAS.

25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Lavoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

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CANNAS 50 very fine sorts. **Dahlias**, 35 very fine sorts. **Gladioli**, very fine selected Groff's Hybrids, Lemoines, Childsii. Extra fine mixtures. Best named sorts. **Madeira Vines, Oxalis,** named sorts. **Cinnamon Vines. Peonies.** Our collection is one of the most extensive and carefully selected extant. Over 350 very finest kinds. **Geraniums, Carnations, Roses, Etc., Etc.** We aim to have the very best. Write us for prices. Everything true to name.

C. BETSCHER, Canal Dover, Ohio.

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50,000 CANNAS

$2.00 to $4.00 per 100, in best standard named sorts.
10,000 strong Fall runners of **Campbell Violets,** $10.00 per 1000.
Madeira Roots and **Gladioli,** $1.00 per 100.
Tritoma Uvaria, strong field roots, $6.00 per 100.
Shrubs and Vines. Send for List.
CASH, PLEASE.

BENJ. CONNELL, West Grove, Pa.

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MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS
ROCHESTER, NEW YORK

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TO ARRIVE:

CYCAS Revoluta Stems

10 lbs., $1.00; 100 lbs., $8.00. From One to Twenty pounds. Address

H. H. BERGER & CO., 47 Barclay St., New York

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30,000 DAHLIAS

Whole field-grown clumps, $4 00 per 100; $36.00 per 1000. Send for list, we can save you money.

A. B. DAVIS & SON, Purcellville, Va.

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BULBS! BULBS! BULBS!

50,000 Caladium Bulbs, to close out at once. Also write us for contract prices on Tuberoses, Fall delivery.

STALLINGS & JOHNSON, Wallace, N. C.

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HIGH GRADE

FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

R. & J FARQUHAR & CO.
6 and 7 South Market St., Boston, Mass.

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SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

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REPETITION

is the life of advertising—It is also the life of the largest mail-order seed trade in the world—

BURPEE'S!

Were it not for repeat-orders every year from satisfied planters we could not supply the

Best Seeds that Grow

at such moderate prices. We want every one who appreciates quality to write for **Burpee's Farm Annual for 1903.** Long known as "the Leading American Seed Catalogue," it is better now than ever before. An elegant book of 184 pages, with beautiful colored plates and hundreds of illustrations, it tells the plain truth. **Write to-day! Do not delay! It's FREE.**

W. ATLEE BURPEE & CO., Philadelphia

BLUE LIST OF WHOLESALE PRICES mailed only to those who plant for profit.

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NOTICE

NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

LARGE SHADE TREES.

For Varieties and Prices see Wholesale List.

☞ Young Stock for Transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

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New Crop Flower Seeds

ASTERS, Comet, Empress Frederick dwarf and compact, fine for pots, flowers pure white, diameter 4 to 5 inches. Pkt. 20 cts.; 3 for 50 cts.

SEMPLE'S BRANCHING, home grown, white, shell pink and lavender. ¼ oz. 30 cts.; oz. 75 cts.

QUEEN OF MARKET, best German, in colors. ¼ oz. 25 cts.; oz. 75 cts.

LARGE VICTORIA, best German, in colors. Pkt. 25 cts.; ¼ oz. 65 cts.; oz. $2 50.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

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EARLY BIRD TOMATO

The earliest, smoothest and largest Early Tomato we ever introduced. Resists the rot and does not sunburn; wonderfully productive, of fine flavor. Every florist should have some plants in the spring for his particular and appreciative trade.

¼ oz. 50c.; ½ oz. 95c.; 1 oz. $1.75, post paid.

Florist Department,

D. LANDRETH & SONS
1217 Market St.,
PHILADELPHIA, PA.

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Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST RECEIVED

Fresh Seed of

Latania Borbonica

Price, 60c. per lb., 10 lbs. for $4.[illegible] 25 lbs. and over at 40c. per lb.

Price list of flower seeds for Florists mailed on application.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Semples Large Flowering Asters

Michell's Select Strain

OF THE

Improved Branching Double Flowers. Excellent for cutting.

	Tr. pkt.	Oz.		Tr. pkt.	Oz.
White	$0.30	$1.00	**Pink**	$0.30	$1.00
Blue	"	"	**Red**	"	"
Lavender	"	"	**Mixed**	"	"

Our New Wholesale Price List of Seeds, Plants and Bulbs is what you want. Drop us a postal.

HENRY F. MICHELL
Seed Growers and Importers
1018 Market Street
PHILADELPHIA

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

ST. PAUL.—E. M. Parmelee, of the John H. Allan Seed Co., was a recent caller.

The catalogue trade has so far reached about the same volume as last year; but as the biggest trade comes in March and April it is rather early to make comparisons.

European shipments are still arriving and will no doubt be acceptable at this late date. Early orders would indicate a heavy trade in seed corn, both field and sweet varieties being in excellent demand.

VERITAS.

HARRISBURG, PA.—The Holmes Seed Company a few weeks ago moved into its new quarters at 9 North Market Square.

The new store is a model of its kind and has been especially fitted up for the business. The sales room extends from Market square to Court avenue, a distance of 162 feet, or one block. It is 30 feet wide; the ceilings are high and it is lighted by the large show windows at either end and two large skylights placed in advantageous positions. The fixtures are of the most convenient design and artistic pattern. A fine suit of offices with a directors' room and a private office provide necessary facilities for the bookkeepers and other office help. The big sales room is filled with farm tools, seeds in large and small packages, and florists' and gardeners' supplies. A well lighted and well ventilated basement, plastered and cemented, fully as large as the sales

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Union County Nurseries, **HIRAM T. JONES,** **ELIZABETH, N. J.**

Mention the Florists' Exchange when writing.

room, is used as a wholesale depot and is filled from end to end with stacks of bags containing seeds, bulbs, etc., and farm tools and supplies of all descriptions.

The catalogues are all mailed, even those of the provincials who wait until the city fellows make a copy for them to work by. The weather is seasonable, prospects are for an early Spring, and the seedsmen are busy and happy, with the exception, perhaps of those who sold their sweet corn at $3.00 per bushel and their cucumber seed at 35c. per pound.

For several years there has been a little nervous cry in the trade that there was not stock enough for the leading articles with which to fill orders. This year the cry continues, and certainly there is more cause for it than there has been hitherto. Wax beans of all kinds, but especially Wardwell's Kidney Wax and Grenell's Rust Proof, are very scarce, but there is one or another variety of beans sufficient for the planters. Even the contract growers realize this and are already reducing their prices.

Vine seeds, especially cucumbers, are scarcer than the earlier reports indicated. There certainly is not enough at any price to go around.

In regard to corn, the dealers seem to be reaching a more rational view of the conditions. To be sure, the crop is not an average one, and the quality in many cases is poor. The scare, however, was not caused by the seedsmen, but by the canners, who are in the habit of relying on growers instead of seedsmen for their supplies, not getting any deliveries and turning to the regular dealers to buy. New records in the way of prices have been made, but now these canners, who were so anxious a week or two ago, are beginning to kick themselves and feel ashamed of rushing the prices to the points they did, in their anxiety to make sure of a supply of seed for planting.

Most of the larger dealers find that the real difficulty in securing a supply of corn is more the result of the growers in the West being unable to obtain cars from the railroad companies for transporting the goods. But as corn is one of the last things wanted, there is no doubt but what it will all come forward in good time, and that prices will be somewhat easier later.

Seedsmen who did not get nervous about obtaining supplies and who did not show an unusual anxiety to sell at any price early in the season, will, we think, be a little better satisfied than usual at the end of this season. In other words, while there are no surpluses of a great many things, there are enough goods in sight that can be sold at a fair margin of profit.

There is a rumor going the rounds that a number of the leading seed houses who quoted on surplus stocks in response to a request from the Department of Agriculture, feel somewhat indignant at the treatment accorded. The one is asking the other who got the orders, and all seem to agree that the seedsmen were not considered, but that the business for another year's supply has gone to the contract growers. If this is the case, the seed trade has some cause for being dissatisfied after the fair promises made to its committee which visited Washington in January.

CATALOGUES RECEIVED.

MRS. JAMES A. ROOT, Skaneateles, N. Y. Wholesale Price List of Native Evergreens.

W. P. PEACOCK, Atco, N. J. Descriptive Trade List of Dahlias, Carnations. Well and profusely illustrated.

LIVINGSTON SEED COMPANY, Columbus, O. Illustrated Catalogue of Seeds, Plants, etc. Tomatoes a specialty. A full list of novelties is furnished.

PETER HENDERSON & CO., New York. American Farmers' Manual. Special grass mixtures for hay and permanent pasture, agricultural seeds, etc.

BOBBINK & ATKINS, Rutherford, N. J. Wholesale Catalogue of Nursery Stock, Hardy Herbaceous Plants, etc. Profusely illustrated and containing lists of many specialties, such as Trained Fruit Trees, Bays, Boxwood, etc.

KOSTER & CO.

Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

In Fine, Healthy Condition.

PLEASE ASK FOR OUR CATALOGUE.

ENDTZ, VAN NES & CO., Boskoop, Holland.

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HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

W. MAUGER & SONS Guernsey England.

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

BARGAIN IN DAHLIAS

WHILE THEY LAST

Large roots of Wm. Agnew, C. W. Bruton, A. D. Livoni, Nymphaea, Black Prince, Snowclad, Prince Charming, at $2.00 per 100, $14.00 per 1000. CASH.

Mrs. S. H. RAYNER, Greenport, N.Y.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh seed. Direct importation. Due to arrive within ten days.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

PERENNIALS

Now in Demand for Old-fashioned Gardens

	Trade pkt.
ASTER, hardy, large flowered	$0.25
CAMPANULA CANTERBURY BELLS	.20
COREOPSIS LANCEOLATA	.10
DELPHINIUM FORMOSUM	.15
GAILLARDIA GRANDIFLORA	.15
HOLLYHOCK, double, separate colors	.20
PHLOX, hardy, mixed	.25
SWEET WILLIAM	.15

D. LANDRETH & SONS

Florist Dept.

1217 Market St., PHILADELPHIA, PA.

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F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

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Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

At Reduced Prices.

STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.

Mention the Florists' Exchange when writing.

FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots .... $20.00 per 100
15-18 in., " " " .... 30.00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots .... $20.00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots .... $20.00 per 100
18-24 in., " " " .... 30.00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each

ROSES.

Climbing Clothilde Soupert,
Strong field-grown .... $10.00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—
Strong plants from 3-in. pots .... $8.00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in .... $20.00 per 100

KENTIA BELMOREANA.

12-15 in., 6 ch. lvs., 3-in. pots .... $18.00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots .... $15.00 per 100
(Not less than 40 of a class at 100 rate)

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts .... $15.00 per 1000

CITRUS TRIFOLIATA

Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in .... $8.00 per 1000
(Not less than 400 of a class at 1000 rate)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO. Inc.,

Fruitland Nurseries, Augusta Ga.

(Established in 1856)

Mention the Florists' Exchange when writing.

MAPLES

50,000 Straight, Smooth, Handsome Maples.

NORWAY.

	10	100
6 to 8 ft.	$2.50	$20
9 to 10 ft., 1½ to 1¾ in. cal.	3.50	30
10 to 12 ft., 1¾ to 2 in. cal.	4.50	40
12 to 14 ft., 2 to 2¼ in. cal.	7.50	60
12 to 14 ft., 2½ to 2¾ in. cal.	10.00	90

ENGLISH SYCAMORE.

	10	100
6 to 8 ft	$2.00	$18
8 to 10 ft., 1½ to 1¾ in. cal.	3.00	25
10 to 12 ft., 1¾ to 2 in. cal.	4.00	35
2 to 2½ in. cal	5.00	45
2½ to 3 in. cal	10.00	75

SUGAR.

	10	100
9 to 10 ft.	$2.00	$15
10 to 12 ft., 1¼ to 1½ in. cal.	3.00	25
12 to 14 ft., 1½ to 1¾ in. cal.	4.00	35
12 to 14 ft., 1¾ to 2 in. cal.	6.00	50
12 to 14 ft., 2 to 2½ in. cal.	10.00	75
32 to 14 ft., 2½ to 2¾ in. cal.	12.50	100

SILVER-LEAVED.

	10	100
6 to 8 ft	$1.25	$10
8 to 10 ft	2.00	15
10 to 12 ft., 1¾ to 2 in. cal.	3.00	25
2 to 2½ in. cal.	4.00	35
2½ to 3 in. cal	7.50	50

Will pack in bales or boxes at cost of material and labor, or will pack in bulk in cars free of charge.

J. T. LOVETT, Little Silver, N.J.

Mention the Florists' Exchange when writing.

WANTED.

40,000 Berberis Thunbergii

State how many you have to offer, size and price.

JOHN SCOTT, Keap Street Greenhouses,

BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

SUGAR MAPLES

10 ft., 1½ inch caliper, $20.00 per 100.

Wickson Plum, fruiting size, $25.00 per 100.

Abundance, Burbank, and other varieties, ¾ grade and up, $15.00 per 100.

New Ward Blackberry, $5.00 per 100. All F.O.B.

One Year Palmetto Asparagus, $2.00 per 1000.

D. BAIRD, BAIRD, N. J.

Mention the Florists' Exchange when writing.

DEATH OF S. CRANE, FORMER OWNER.

Forced Sale of NURSERY STOCK

Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.

NORWICH NURSERIES,

O. E. RYTHER, Propr. **NORWICH, CONN.**

E. G.—Norway Maples, 12 ft., $25.00 per 100.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. **Gouda** is our **railroad depot.**

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, **Rochester, N.Y.**

Mention the Florists' Exchange when writing.

Vegetable Plants

CABBAGE Jersey and Chas. Wakefield, Early and Late Flat Dutch, Succession and Drumhead, 25c. per 100; $1.25 per 1000.

LETTUCE Big Boston, Tennis Ball, Boston Market and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LEEK 15c. per 100; $1.00 per 1000.

PARSLEY Strong, 40c. per 100; $1.50 per 1000.

If wanted by mail always add 10c. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Nursery Department

MERICAN ASSOCIATION OF NURSERYMEN
Charles A. Ilgenfritz, Monroe, Mich., President
S. Lake, Shenandoah, Ia., Vice-President
orge C. Seager, Rochester, N. Y., Secretary.
L. Yates, Rochester, N. Y., Treasurer.

J. Henry Byvoet, senior member of e firm of Gebroeders Byvoet, of Over-en, Holland, died on February 15, ged 70 years.

PAINESVILLE, O. Will McCleary, Hartsgrove, has accepted a position ith the Storrs & Harrison Company.

HUNTSVILLE, ALA.—Deeds have en filed in the Probate Court convey-g the John T. Paul farm of 132 acres Mercury to the Alabama Nursery ompany, who will establish an exten-ve nursery.

Grafting Wax.

Those who have a little grafting to , and who may not desire to buy wax ady manufactured, would find that ade by the old style formula satisfac-ry. The ingredients are: One pound llow, two pounds beeswax and four unds resin, melted together and well ixed. When cold, it becomes quite rd, requiring re-melting before a sec-d use. It is applied with a small ush. Those who wish a ready-made eparation can easily obtain it in any gricultural store.

Roses for Old Trees.

Wistarias, Virginia creeper and many her vines are seen used for covering d trees; but very seldom roses. There many of the climbing sorts perfect- hardy which, when permitted to amber over the dead limbs of a tree, come objects of great beauty. Crim-n Rambler and the many kinds of brid Wichuraiana roses, the Gloire de ijon, setigera and like kinds, are love- objects when in bloom. Old trees, e-sores when unadorned, become vis-ns of beauty when tastefully planted ith an assortment of vines. Spring is e time to plant.

Dead Branches in Evergreens.

Junipers and other evergreens are lia- to lose a branch at times, spoiling e appearance of the tree. This should overcome by tying a live branch in place, something often easily done spreading out slightly the live ones ar it.

Those about to purchase a tree will metimes reject one exactly suiting em had it not a defective branch, hen by tying a live one in the breach erything would have been satisfac-ry. It is some little time before a d branch takes kindly to its new sition, but its objections are over-me in time, and the blemish will be the past.

Japanese Variegated Grape.

A vine of ready sale is the variegated panese grape, Vitis heterophylla riegata; and a real, hardy vine at at. I have mentioned this vine be-re, praising it for its many merits. is fast growing, and whether in the en ground or in a pot, attracts every e's attention. The variegation con-ts of green, white and pink, all these lors appearing in stems and foliage. ttle clusters of berries succeed, which e green, pink and blue in turn, and hen in their ripening stages are a autiful show. As a pot or a vase ant in Summer it has no equal in its ay. It is a vine that sells itself, its any merits appealing to all who e it.

Sandy Soil for Newly Set Trees.

But very few of those who lose trees transplanting them know that, in any cases, the loss results from not ving the roots closely incased in rth. Roots must be closely fitted ith soil, or the tree cannot live. To t the soil to cover nicely all the ots is not always an easy matter; e may try our best, yet from various uses it may not be possible to do it. metimes very large roots are close together; at other times it may be the subject is an evergreen, with a large mat of roots, which it is almost impossible to get the soil under, or about. It will be evident to every one what all planters know, that the finer the soil the better the chance of getting all roots covered. But something else has been discovered, and is being practiced to great advantage by a few, which is to use sand for filling in about the roots; and those who use it are delighted with the result. It is so fine that it quickly finds its way into every little crevice, covering all the roots splendidly, better than anything else could do. Besides doing this, as all gardeners know, new roots soon form in sand, and this alone calls for its use. Only enough is employed to cover the roots well, after which ordinary soil is filled in to complete the work. Try it, and be convinced of its utility!

When to Plant Magnolias.

The advent of February means the beginning of the planting season to many of our Southern readers, and to them it will be seasonable to say a word relating to the planting of trees which prefer to be set in Spring. In Northern experience the magnolia and tulip tree will not live planted in Autumn, while many other sorts very much prefer Spring setting. Even those of us living North should be on the alert now looking to the planting of these trees, settling on what we wish done, that the planting may be effected at the earliest day after the ground permits in Spring.

It is a great task to the average nurseryman to get his planting done in good season. Orders pile up all Winter, and with the appearance of the robin every mail brings the inquiry, "Where are my trees?" And to satisfy his customers his own planting is often neglected. This should not be. Put on more men, if you must. Get your own planting done early. It means many a dollar more to you by the time the season's growth is over. Get in first the trees and shrubs that bud out early, such as weeping willow, larch, Tartarian honeysuckle, Japanese snowball; and do not miss the magnolia and tulip trees.

Bushes for Shifting Sands.

Along our coasts, where sand drifts form and disappear, according to the prevailing winds, something to fix the permanency of the drifts, or to prevent their forming in certain places is often very much desired. To those familiar with our coasts it must be a common occurrence to note the presence of the shrub called wax myrtle, Myrica cerifera, and how common it is, almost close to the sea, and how it holds the sand! It indicates that this is one of the first shrubs to be thought of for the purpose. These shrubs can be found all along the Jersey coast, many of them eight to ten feet high, having mounds of sand about them six feet high, blown there in gales of wind. These mounds do not hurt the bushes. The rain that falls permeates to the roots of the bushes easily, carrying the oxygen of the air with it, which is all that the roots ask for. The burying of the branches does no harm.

All along the sea fronts on the coast are bushes thriving, suggesting what should be attempted by those who wish to plant.

In addition to the wax myrtle there is the beach plum, Prunus maritima, growing often side by side with the other. Then there is the groundsel shrub, Baccharis halimefolia, which delights in sandy places; pitch pine, Pinus rigida; black alder, Prinos verticillatus; swamp alder, Alnus serrulata; the holly and many of the huckleberries, and many other sea coast shrubs.

And the value of vines should not be overlooked. The Virginia creeper is often found rendering valuable service in covering and holding sand dunes, besides ornamenting them greatly by its lovely Fall foliage. Wild grapes, too, perform the duty of binding to great advantage. I have not seen the trumpet vine near the coast, but further inland it may be found running over sandy ground, beautifying and binding it. It is well worth the time of one contemplating such planting to take a day's run to the seashore, some wild place, where he can see what Nature plants in such situations.

JOSEPH MEEHAN.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2½ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charlotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.
Strictly Our Selection. 1000 and over, $17.50 a 1000

SCENTED GERANIUMS

Rose, Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, [illegible] Massey, Pink, Golden and Crimson Verschaffeltii and the Dwarf varieties Annie Pfister and John Pfister, which grow about [illegible] inches high.

$2 00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzii, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana **$2.50 per 100.**

CANNAS, dormant roots mixed, **$1.00** per 100; named, **$2.00** per 100

DAHLIA ROOTS, large field clumps, **$5.00** per 100, our selection, $4.00 per 100.

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others. **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesto, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2 00
Second size, 4 to 6 in.	1 00

Send for Catalogue of Full Line of Greenhouse and Bedding Plants.
Notice our Vegetable Plant Advertisement.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

FANCY-LEAVED

CALADIUMS

A list of 75 varieties in cultivation. Orders booked now for December delivery of bulbs. Send for list and prices.

Phrynium Variegatum, elegant variegated green and white foliage plant, valuable for bedding out, or for use as individual specimens with palms, etc. Strong tubers now ready, 100, $4.

Crinums, Amaryllis and other bulbous stock in variety at low prices.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

EVERGREEN

An *Immense Stock* of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***
Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

Surplus Nursery Stock

Apple, Peach,
Norway Maple, Irish Juniper,
Abundance, Hale Plum.

Address
C. L. LONGSDORF, Adams County, Floradale, Pa.

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
Geneva, N. Y.

WHOLESALE GROWERS OF
Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.

Send for our Wholesale Price List.

Mention the Florists' Exchange when writing.

A TIMELY TIME FOR A TIMELY EDITION MARCH 28

Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety ...	$1 25
PETUNIA GRANDIFLORA, single, 20 vars.	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
STROBILANTHES DYERIANUS, R. C. $1 25 and	1 50
GAZANIA SPLENDENS, R. C.	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and **AUSTRALIS**, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONA GALE, alba and rosea	1 25
FLOWERING BEGONIAS, 8 vars.	1 50
PRIMULA FORBESII. Baby Primrose, 3-in., in full bloom	3 00
VINCA VARIEGATA, 4 in., 12 to 15	5 00
PETUNIAS, double and single, 3 in., fine bushy plants	3 00

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING

No more plants until they can be dug in the field.

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PANSIES

THE JENNINGS STRAIN.

Small plants, $4.00 per 1000. Large plants, ready to bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 per pkt.; $5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, extra fine transplanted plants out of cold frames, $3.00 per 1000, $25.00 per 10,000.

Bellis (Daisies). Largest double red and white, large plants $2.00 per 1000.

Gladioli. Finest light and mottled, large bulbs, $8.00 per 1000.

Semple's Aster Seed. My own raising, saved from the largest and most double flowers, only at $4.00 per lb.

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Cassier and Odier prize strains, 60c. per 100; $4.00 per 1000. Extra large plants, coming in bud, $1.00 per 100. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100; $8.00 per 1000. Asparagus, from flats, ready for potting Sprengeri, $1.00 per 100; $7.00 per 1000. Cyclamen, from flats, $2.00 per 100; $15.00 per 1000; 2½ in. pots, $3 per 100; 3 in., $4 per 100. S. Alyssum, R. C., 75c. per 100. Terms, cash. **Hill Top Greenhouses,** 15-16 Gray Ave., **Utica, N. Y.**

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSIES.

Finest strain in the world; captured first prize at London Horticultural Show for its exquisite brilliancy of color and large flowers.

60 cents per 100, extra large transplanted plants $4.00 per 1000.

Mammoth Verbenas, composed of twelve of the best varieties, rooted cuttings 75 cents per 100, $6.00 per 1000.

All the above express prepaid.

UTICA FLORAL CO., Utica, N. Y.

Mention the Florists' Exchange when writing.

Pansy Plants

	Per 100.
Large Flowering ..... $2.50 per 1000	$0 50
Asparagus Sprengeri, fine plants	2 00
Coleus, 20 var., 2 in. pots	2 00
Geraniums, 10 var., 2½ in. pots, $2.50 and	3 00
Canna Roots, 10 var.	3 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

Express Rates.

Editor Florists' Exchange:

If any one has an idea that he can soften the hearts of the express companies with regard to charging exorbitant rates, let him discard it. All our appeals will be of no avail. But that the companies can be brought to terms there is but very little doubt. My opinion on this subject you will find expressed in the following letter, which I wrote to the Wells-Fargo Company:

"To The Wells-Fargo Express Co.

"If everybody would do as I have done the last four weeks you would soon find out that it is not to your interest to charge exorbitant rates. No one can reach you by persuasion; you have a monopoly and you know it. The sweetest song of the nightingale could not bring any softening to your hearts. But competition and using freight, where formerly you were favored; these are the springs which will make you jump. Why not organize an express by automobile? This will surely come, if you continue your greedy exactions.

"My letter would be to no purpose unless I told you what I, in my modest way, have done.

"(1) All my marketing which formerly came by your express reaches me by Erie Railroad, Friday's fast freight train, and is delivered Saturday morning in excellent shape.

"(2) Instead of making daily shipments of cut flowers, I make them only every other day.

"(3) Empty boxes are shipped on Friday by Erie Railroad freight. I never will in future use your express unless necessity compels me, and my prayer is that it never will.

"Now let others appeal to your sense of justice. I am certain that your eyes are only open to your own greed, and all the petitions and resolutions of rose growers will prove of no avail

"OTTO ANDREAE.

"Central Valley, N. Y."

Messrs. Poole & Purllant, of Bellefontaine, O., have written to their local paper, questioning a statement that appeared in the New York Press to the effect that the express companies give better service for less money than does the Postoffice Department. They say: "The rate on a one-pound package of cut flowers by mail from Bellefontaine to Degraff is 16 cents, or to any part of the country for the same rate. The same package from this city to Degraff by the American Express Company is 38 cents, two and a half times as much, and if the said package should be handled by two express companies the rate is increased again 50 per cent., or to 57 cents."

The firm advocates government ownership, adding: "It is only government ownership that will make the price of coal two dollars and ninety cents per ton in place of five dollars per ton as it is now."

The State Florists' Association of Indiana has passed the following resolution, a copy of which has been forwarded to John N. May, chairman of the S. A. F.'s legislative committee:

WHEREAS, The increased express rates have been declared unjust, unreasonable and detrimental to the florists of the State of Indiana, as set forth in the numerous appeals to the express companies, it is

RESOLVED by the State Florists' Association of Indiana to appeal to you, the express company, for a rate which will permit the florists to express flowers without resorting to the United States mail, interurban and other carriers. Also a rate which would justify a wholesale florist in making two or three deliveries of flowers where only one is made at present. The large majority of express packages are small ones, which can be carried by the Government for 12c to 15c, to which a special delivery stamp can be affixed for 10c, which will insure the prompt delivery of the package. Matters which were often overlooked under former conditions, such as the freezing of a small quantity of flowers, failure to deliver a package promptly, or breakage of any kind, will now be promptly taken up with the companies as the florists feel that they have been imposed upon and discriminated against.

Respectfully submitted by the committee.

H. HELLER,
Chairman.

ASPARAGUS

SPRENGERI, 2½ x 3½ inch pots, **$3.00 per 100; $25.00 per 100**

strong well-established plants, splendid valu

JACKSON & PERKINS CO., Newark, New Yor

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
20 varieties	$0.50	$0 50
C. Verschaffeltii and G. Bedder	.60	6 00
Fuchsias, 25 varieties	1 00	10 00
Double Petunias	1 25	12 00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1 00	
Giant Double Sweet Alyssum	.60	
Ageratums, P. Pauline and S. Gurney	.60	
Vinca Variegata	1.00	
Alternantheras, red and yellow	.60	5.00

Vinca Variegata, 2 in. pots, $2 00 per 100; 3 in. pots, $4.00 per 100, 4 in. pots, $6 00 to $8.00 per 100.

Geraniums, Mme. Salleroi, Ivy Geraniums and others, 2 in. pots, $2 50 per 100; 3 in. pots, $3 50 per 100.

Pelargoniums, 2 in. pots, 3 vars., $3.00 per 100.

Cannas, Queen Charlotte, Crozy, Marlborough, F. Vaughan, Henderson, Burbank, Cabos and others, 2 to 3 eyes, $15 00 per 1000; $1 50 per 100.

CASH WITH ORDER.

C. A. Harris & Co., Delanson, N.Y.

(ERNEST HARRIS, Manager.)

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses, BROOKLYN, N. Y.

Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

FERNS and GERANIUMS.

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25 00 per 1000.

Geraniums. John Doyle, Double Gen. Grant, Gloire de France, Alphonse Ricard, Beaute Poitevine, $2.50 per 100. Assorted, our selection, $2.00 per 100.

German Ivy. 2¼ in., $2 00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK

60 Vesey Street, NEW YORK.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

EASTER BLOOMING PLANTS Grown in Pots

Stock larger and finer than ever offered before.

Azalea Indica, three full houses, my own selection in Belgium, in bloom now or for Easter, 6 in. pots, 60c., 75c., $1.00, $1.25 to $1 50 each. 15 per cent. Van der Cruyssen

Lilium Harrisii, Have 3000. 10c. per bud, from 5 to 10 buds to a plant

Spiræa Japonica, 6 in. pots, $3 00 per doz.

Hydrangea Otaksa, finer than ever before, 6 in pots, at $3 00, $4.00, $5.00, $6.00 per doz. Specimens, $1 00 to $1 50 each.

Yellow and White Daisies, 6 in. pots, $3 00 per doz.

Begonia—President Carnot, 6 in. pots, $3 00 per doz., Metallica, 6 in., $3 00 to $4.00 per doz.; Vernon, red, 4 in. $1.80 per doz., 6 in., $3 00 per doz., Vernon, mixed, 4 in., $1.50 per doz.

Cineraria Hybrida, 6 in., in bloom now or for Easter. Have a house full 1500. At the rate of $2 00, $3 00, $4 00 per doz.

Hyacinths of my own importation, all shades, 4 in. pots, $10 00 per 100.

Tournesol Tulips, red and yellow, double, best tulips in market, 3 in a 4 in. pot, $1 50 per doz. pots.

Daffodils. Double Von Sion, double nosed, 3 bulbs in a 5 in. pot, fine, $2.00 per doz. pots.

Hybrid Moon Vines. A. W. Smith's Ipomœa Noctiflora, the best, earliest pure white Hybrid Moon Vine in existence. Thriving plants from 2½ in. pots, ready for 4 in., $5 00 per 100.

Please state if pots are wanted. Must travel at purchaser's risk only. Cash with order please.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA

Bell Phone 6-36-69a.

Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

FOR EASTER FLOWERIN

Azaleas, extra large plants, full of buds, $1. each; good sized plants $1.00 each.

Genistas, in bud and bloom, large plants $3. per dozen; smaller plants $2.00 per dozen.

Cinerarias, fine plants, $1.50 per dozen.

Fuchsias, all colors, 3 inch, $4.00 per 100; 4 inc. $6.00 per 100.

UTICA FLORAL CO., UTICA N. Y.

Mention the Florists' Exchange when writin

THE CULTURE OF

ADIANTUM FARLEYENSE

By JULIUS LINDSTROM, formerly Farleyens grower at the Kent Place Nurseries, Summit, N.

Mr. Chas. Cook, Fishkill-on-Hudson, write "I have read your valuable treatise on the cu ture of Farleyense. As to cultural direction you have explained so fully, clearly and co cisely that I wish to compliment you on you work."

Booklet sent postpaid at 50 cents.

Lock Box 8, **Flatbush Station, Brooklyn, N. Y.**

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writin

ORCHIDS

We beg to recommend our fine and large stock Orchids to everyone growing this class of plant. If you want plants that will pay, don't forget tha is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** an **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J

Orchid Growers and Importers.

Mention the Florists' Exchange when writin

RUBBERS

6 inch Fancy Stock, 24 to 30 inches high, **$4.00 to $5.00 per Dozen.**
Also all kinds of **SPRING STOCK.**
WRITE FOR PRICES

BENTZEN FLORAL CO.
4025 Marcus Ave., St. Louis, Mo.

Mention the Florists' Exchange when writin

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20 00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 3 in., strong, $6.00 per 100.

L. H. FOSTER, 45 King St. **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment. Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

SOLE AGENTS:

AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

FERNS.

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.

BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurth, in bloom, and **BEGONIA APPLE BLOSSOM,** in bloom, from 2½ in. pots, $2.50 per 100.

JNO. G. EISELE, Philadelphia, Pa.

20th and Ontario Streets.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER.

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 each. hese are extra large, shapely plants, full of bud.

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per doz.

Double Fuchsias, red, white and blue, 3 inch, 3.00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in cold rames, 50c. per 100, by mail; $5 per 1000 by express.

Calceolarias, 3 inch, $5.00 per 100.

Cinerarias, 5 inch, $1.50 per doz.

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

20,000 All Pot-Grown

We quote you fine BOSTON FERNS.

2½ in.	$4.00 per 100.	6 in.	$40.00 per 100
3 in.	8.00 "	7 in.	60.00 "
4 in.	15.00 "	8 in.	100.00 "
5 in.	25.00 "	10 in., $1.50, $2 & $2.50 ea.	

GEO. A. KUHL, Pekin, Ill.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.; one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $8.00 per 100; 4 in. pots, $15.00 per 100; $2.00 per doz.; 5-in. pots, $25.00 per 100; $3.50 per doz.; 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana**, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100; $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

Our stock is larger and finer than ever before, we can supply standard varieties, including 10 per cent. Mme. Van der Cruyssen. **Do not delay ordering, the sooner the plants are shipped the less danger to the buds.**

Fine bushy crowns	10 to 12 inches in diameter	$5 00 per doz.	$40 00 per 100
" " "	12 to 14 " " "	6 00 "	50 00 "
" " "	14 to 16 " " "	9 00 "	70 00 "
" " "	16 to 18 " " "	15 00 "	
" " "	18 to 20 " " "	30 00 "	
" " "	20 to 24 " " "	42 00 "	

PALMS

Areca Lutescens.

	Inch high.	Per doz.	Per 100	Per 1000
2-in. pots, 1 plant in pot	6 to 8	$0 75	$6 00	$40 00
3 " 2 "	12 to 15	1 25	10 00	70 00
4 " 3 "	15 to 18	2 50	20 00	175 00
5 " 3 "	18 to 24	5 00	40 00	350 00
6 " 5 to 6 "	22 to 24	9 00	75 00	
6 " 3 "	28 to 30	12 00	100 00	

Kentia Forsteriana.

2¼ in. pots,	4 leaves,	8 to 10 in. high	$1 25 per doz.,	$10 00 per 100,	$90 00 per 1000
3 "	5 "	12 to 15 "	2 00 "	15 00 "	140 00 "
4 "	5 to 6 "	15 to 18 "	4 50 "	35 00 "	
6 "	6 "	30 "	1 25 each,	$15 00 per dozen.	
6 "	6 "	30 to 36 "	1 50 "	18 00 "	
7 "	6 "	30 to 36 "	2 00 "	24 00 "	
8 "	6 "	42 "	2 50 "	30 00 "	
8 "	6 "	48 to 52 "	4 00 "	48 00 "	
9 "	6 to 7 "	52 to 54 "	5 00 "		
9 "	6 to 7 "	54 to 58 "	7 50 "		
10 "	6 to 7 "	60 "	10 00 "		
10 "	6 to 7 "	72 "	12 50 "		
12 in. tubs,	7 "	7 to 8 feet high	25 00 "		

FERNS

For Fern Dishes.

FOR IMMEDIATE USE.

	Per 100	Per 1000
2-inch pots, assorted varieties	$3 00	$25 00
3 " " " "	6 00	

LATANIA BORBONICA.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2¼			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

PHŒNIX CANARIENSIS.

11-inch tubs, 3½ to 4 feet high, bushy and shapely, $5.00 each.

11-inch tubs, 4 to 4½ feet high, bushy and shapely, $6.00.

KENTIA BELMOREANA.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2¼	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	

			Each.	Per doz.
6	6	26 to 28	$1 25	$15 00
6	6 to 7	28 to 30	1 50	18 00
7	6 to 7	30 to 32	2 00	24 00

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz., $3.00
6 in. "	" 5.00
6 in. " strong	" 6.00

ASPARAGUS PLUMOSUS NANUS

4 in. pots, fine plants	per doz., $1.50
4 in. " extra select	" 2.00

FERN BALLS

Furnished with leaves .... per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties .... per 100, $3.00

,WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

AZALEAS for EASTER

All the best forcing varieties, with good proportion of Mme. Van der Cruyssen and Simon Mardner. 12 to 14 in. crowns, $45.00 per 100. 14 to 16 in. crowns, $60.00 per 100. A quantity of fine bushy specimens, Mme Van der Cruyssen, Niobe, Simon Mardner, etc., with 16 to 18 in. crowns, $15.00 per doz.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high	$30.00 per 100
4 in. pots, 10 to 12 in. high	20.00 " "
3 in. pots	15.00 " "

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS

Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties).

$2.00 per 100. $15.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and **Forsteriana**, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri**, 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

Carnations, Portia, Ethel Crocker, Goodenough, Wm. Scott, White Cloud, F. L. Ine.

Coleus, mixed, **Argeratum**, blue and white, **Verbena**, **Scarlet Sage**.

Petunia, Dbl. [illegible]

All 2 inch pots, $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

March 28

The Saturday,
Before the second Sunday
Before Easter

Special
Spring Trade
Edition

March 28

AMERICAN BEAUTY ROSES

First crop now ready. Strong plants from 2½ inch pots, **$6.00 per 100; $50.00 per 1000.**
Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery, and will be filled in rotation.

ROBERT SCOTT & SON, Sharon Hill, Del. Co, Pa

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

Rooted Cuttings	$30.00 per 1000
2 inch pots	50.00 "
3 " "	75.00 "

Stock selected and in prime condition.

F. D. VREELAND, Paterson, N. J.

WHITE and PINK ROSES
Mme. COCHET.

Strong field plants, for potting at once for Spring sales, fit for 4 and 5 in. pots.

Price, $10.00 per 100. Cash, please.

BENJAMIN CONNELL, West Grove, Pa.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries,
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

HARDY ROSES, Etc.
FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100, $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100, $30.00 per 1000.

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANDSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

ROSES.

Clean, healthy, two and three-eye cuttings. Very superior stock

	Per 100	Per 1000
Bridesmaid, Bride,	$1.50	$15.00
Meteor, Golden Gate,	1.50	15.00
Perle,	2.00	20.00
Ivory, fine,	3.00	25.00

We do not take hard blind wood. The stock is **warranted good value.**

BOSTON FERNS. Fine, cool grown stock, 4 in. $15.00 per 100, 5 in. $25.00; 6 in. $40.00; 7 in. $60.00. Good profits in this stock. **Plumosus,** 4 in. $12.50 per 100. **Sprengeri,** 4 in. $8.00 per 100. **Vincas,** variegated strong 2 in. $2.50 per 100.

W. H. Gullett & Sons, Lincoln, Ill.

Mention the Florists' Exchange when writing.

Special Spring Trade Edition
MARCH 28

FRANZ DEEGEN

THE NEW

Golden Yellow Rose

Awarded $50 and Gold Medal, - - Kansas City
Silver Medal, - Massachusetts Horticultural Society
Silver Medal, - Pennsylvania Horticultural Society
Silver Medal, - - Chicago Horticultural Society
Silver Medal, - - American Institute, New York
Silver Medal, - - - S. F. A. O. H., Indianapolis

FOR SALE BY

SOUTH PARK FLORAL CO., New Castle, Ind.
THE E. G. HILL CO., Richmond, Indiana
E. G. ASMUS, West Hoboken, New Jersey

For Prices and Description apply to above.

Mention the Florists' Exchange when writing.

ROSES

$2.50 per 100; $20.00 per 1000.

Princess Sagan
*White, Yellow and Pink Rambler
*Climbing Marie Guillot
Mme. Pernet Ducher
Tennessee Belle
Mme. F. Kruger
Snowflake
R. M. Henriette
Chromatella
Empress of China
*Lamarque
*Marie Guillot
Marie Ducher
Vera de Flora
*White and Pink Maman Soupert
Climbing White Pet
*Marie Van Houtte
*Beaute Inconstant
Climbing Bridesmaid
Bon Silene
*Mme. Jos. Schwartz
Yellow Hermosa
Purple China
Agrippina
Louis de la Rive
Seven Sisters
Etoile de Lyon
La Pactole
Lady Warrender
W. A. Richardson
Safrano
Media
President
*Mrs. De Graw
Miss Wenn
*Mary Washington
Universal Favorite
Christine de Noue
*Gruss an Teplitz
*Mme. Schwaller
Lucullus
Golden Rambler
Manda's Triumph
Marquis de Vivens
J. B. Varrone
Sylph
The Queen
Duchesse De Brabant
Isabella Sprunt
*Princess Bonnie
Jersey Beauty
Mme. Camille
Triumph Pernet Pere
Wichuraiana
Comtesse Frigneusse
White Malmaison
Rainbow
Striped Malmaison
Prairie Queen
*Papa Gontier
George Pernet
Etoile d'Or
Perle d'Or
Princess Marie Adelaide
*Sunset
*Perle
*Kaiserin
Souv. de Malmaison
Mrs. Robert Peary
*Climbing Wootton
*Climbing Malmaison

Moss Roses.

*Glory of Mosses
*Zenobia
*James Veitch
*Henri Martin
*Musseline
*Laine Moss
*Blanche Moreau
*Prolific
*Alice Leroy
*Basroger

$3.00 per 100; $25.00 per 1000.

Mme. De Watteville
Mme. Welche
Mme. Hoste
*Bride
*Bridesmaid
*Yellow, Pink and Clothilde Cochet
*White, Pink and Red La France
*Hermosa
Golden Gate
*Crimson Rambler
*Marechal Niel
Climbing Meteor
Catherine Mermet
Meteor-Petite Leonie
Cecil Brunner
Mignonette

$4.00 per 100; $35.00 per 1000.

Mrs. Robert Garrett
*Souv. de Wootton
President Carnot
Helen Gould
—Captain Christy
—Gloire Lyonnaise
—General Jacqueminot
—Ulrich Brunner
Coq. des Alpes
—Mme. Plantier
—Paul Neyron
—Gloire de Margottin
Prince Camille de Rohan
—Louis Van Houtte
—Magna Charta
—Mme. Masson
—Marshall P. Wilder

2-year-old American Beauties, 4 inch pots, $16.00 per 100.

Two-Year-Old Roses Marked with a Star, $9.00 per 100 *
Two-Year-Old H. P. Marked with a Dash, $12.00 per 100.—

CHRYSANTHEMUMS.

2 inch pots, $2.50 per 100.

Zenobia, Miss Florence Pullman, Rinaldo, Titian, Pink Ivory, Jessica, Belle of Castlewood, Glory of Pacific, Modesto, Kentucky, Mrs. Henry Robinson, Cullingfordii, Yellow Fitzwygram, Mrs. Perrin, Mrs. S. T. Murdock, Mme. Bergmann Mutual Friend, Georgienne Bramhall, Major Bonnaffon, Fisher's Torch, Ivory, Surprise, Mrs J. C. Whilldin, Miss Georgiana Pitcher, Oakland, Mrs. O. P. Bassett, Yellow Ivory, Mrs. W. B. Chamberlin.

CARNATIONS--Plants.

Rooted Carnation Cuttings Ready April 1st.

2 inch pots, $3.00 per 100. Following varieties.

Ethel Crocker, The Marquis, Flora Hill, Wm. Scott, Daybreak, America, Mrs. F. Joost, G. H. Crane, Armazindy.

CANNAS.

3 inch pots, $4 00 per 100. 4 inch pots, $6.00 per 100. Ready March 20th. Following Varieties.

Queen Charlotte, Austria, Charles Henderson, Florence Vaughan, Italia, Mme. Crozy, Alphonse Bouvier, Burbank and Allemania.

PALMS.

Phoenix Reclinata, 8 in. pots, $12.00 per doz
Latania Borbonica, 8 in., $10.00; 6 in., $6.00 per doz.
Kentia Forsteriana, 5 in., $7.00 per doz.
Kentia Belmoreana, 5 in., $7.00 per doz.; 4 in., $4.00 per doz.

MISCELLANEOUS PLANTS.

VIOLETS, Marie Louise, $3.00 per 100. Hardy English Violets, $4.00 per 100.
ASPARAGUS Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $20.00 per 100.
ASPARAGUS Sprengeri, 2½ in., $2.50 per 100, 3 in., $4.00, 3½ in., $5.00.
VINCAS, 2 in., $2.50 per 100, 3 in., $4.00, 3½ in., $5.00; 4 in., $6.00.
SANSEVIERA Zealanica, 2 in., $3.00 per 100.
SALVIA, Splendens and St. Louis, 2½ in., $2.50 per 100.
MARGUERITES, 2½ in., $2.50 per 100.
TRADESCANTIA, 2½ in., $2.50 per 100.
ACHILLEA, The Pearl, 2½ in., $2.50 per 100.
GERMAN IVY, 2½ in., $2.50 per 100; English Ivy, $3.00 per 100.
PICKLE VINE, 2½ in., $3.00 per 100.
AMPELOPSIS Veitchii, 2½ in. pots, $3.00 per 100.
CIGAR PLANT, 2½ in. pots, $2.50 per 100.
SAXIFRAGA Sarmentosa, 2½ in. pots, $2.50 per 100.
POTHOS AUREA, 2½ in. pots, $3.00 per 100.
ACHYRANTHES, 2½ in. pots, $2.50 per 100.
COBÆA Scandens, 2½ in. pots, $3.00 per 100.
STAPELIA Serpentina, 2½ in. pots, $2.50 per 100.
WHITE AND BLUE Plumbago, 2½ in. pots, $3.00 per 100.
LOPESIA ROSEA, 2½ in. pots, $3.00 per 100.

All Stock From 2½ Inch Pots.

PERIWINKLES, $2.50 per 100.
LANTANAS, assorted, $2.50 per 100.
ALTERNANTHERAS (3 kinds), $2.00 per 100.
UMBRELLA PLANTS, 3 sizes, $2.50, $4.00, and $6.00 per 100.
AGERATUMS, Princess Pauline, Stella Gurney, Lady Isabell, $2.50 per 100.
CLIMBING Nasturtiums, 3 best kinds, Phebia, Golden Wonder and Sunbeam, $3.00 per 100.
FUCHSIAS, single and double, 9 varieties, $2.50 per 100.
HARDY Scotch Pinks, 6 varieties, $2.00 per 100.
COLEUS, 20 vareities, $2.00 per 100.
IVY GERANIUMS, 12 varieties, $4.00 per 100.
HELIOTROPE, White and Purple, $2.50 per 100.
GERANIUMS, White Swan, Heteranthe, S. A. Nutt and La Contable, $2.50 per 100, $20.00 per 1,000.
SCENTED Geraniums, small and large leaf, rose, lemon and nutmeg, $2.50 per 100.
PEPPERMINT Geraniums, $3.00 per 100.
BOSTON FERNS, 6 in. pans, $4.00 per doz., 8 in. pans, $10.00 per doz.
ABUTILON, Souv. de Bonn and Savitzii, 3 in. pots, $4.00 per 100.
ANTHERICUM Vittatum Variegata, 2 in. pots, $3.00 per 100; 4 in., $10.00 per 100.

NATIONAL PLANT COMPANY, Dayton, Ohio.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—Beds that are showing signs of exhaustion will be very much benefited by an application of liquid manure once a week. The surface soil of the benches should be disturbed as little as possible from now on; and where certain pink varieties are fading in color from too much sunshine, some attention to shading will be necessary. Cuttings that were rooted early, and are now well established in their pots or flats, will be just as well off if kept in a cool house. There is no need to hold the plants in a growing temperature; they will make just as good stock in the field if kept cool and sturdy as will plants that are grown along for all they are worth between now and the time to put them outdoors.

ROSES. Where the benches have not had a good mulch of fertilizer, it is in order now to feed with liquid manure regularly. With the lengthening of the days, and brighter sunshine, ventilation becomes more necessary, and some little care is required in order to keep the temperatures normal without inviting an attack of mildew.

FLOWERING PLANTS. Easter is but five weeks distant now, and potted plants intended for that occasion will need to be governed accordingly. Hydrangeas should have their buds well in sight, or they will be too late. Lilac may yet be started, but will require lots of forcing to be brought in on time. Deutzias should be brought in during the coming week, as also should the pans of lily of the valley. Genistas need holding back rather than forcing; likewise many of the azaleas. Pot roses that seem forward and are beginning to show flower buds, will need to be kept rather cool to have them in the best possible condition.

American Rose Society.

At the annual general meeting of the American Rose Society, to be held at Philadelphia, Pa., on March 25, 1903, the following motions will be introduced, notice of same having been given on January 28 last by Mr. Frank L. Moore, Chatham, N. J.:

(a) To amend the constitution in Article IV., Sec. 2, so that it shall say: "An executive committee of twelve" instead of "six."

(b) To amend the by-laws in Article II., Sec. 2, so that it shall say: "Four to be elected each year," instead of "two."

LEONARD BARRON,
Secretary.

New York, February 19, 1903.

GERANIUMS, Labeled, 2-inch, $2.00 per 100.
CHRYSANTHEMUMS, Labeled, 2-inch, $2 00 per 100
SELAGINELLA DENTICULATA, 2-inch, $2 per 100 No 1 stock Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

ASPARAGUS SPRENGERI

Extra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,
Reorganization of Jno. A. Doyle & Co. Springfield, O.

Mention the Florists' Exchange when writing.

CINERARIAS

Dwarf and semi-dwarf Giant flowered. Fine stocky plants, from 2½ in pots, $2.50 per 100; 3 in pots, $4 00 per 100. All of them ready for 5 inch; will make fine selling plants for Easter.

CANNAS Dormant Strong tubers, Mme Crozy, Austria, Henderson, Bouvier, P. Marquandt, Burbank, Black Prinz, Alba rosea, etc. $1.50 per 100; $12.00 per 1000. Cash, please.

Shellroad Greenhouses, Grange P.O. **Baltimore Md.**

SPECIAL

Verbena Giant. 10 kinds, R. C., 50 cts. per 100; 2 in., $2.00 per 100.
ALTERNANTHERAS, red and yellow, Rooted Cuttings, 60 cts. per 100.
GIANT PANSIES, in variety equal to any. Satisfaction guaranteed. Fine stocky plants, $2.50 per 1000.
DOUBLE DAISIES, Longfellow, Snowball and Giant, $2.50 per 1000.
ALYSSUM, DOUBLE, 2 in., 2 cts.
SWAINSONA ALBA, 2 in., 2 cts.
SALVIAS, 4 vars., R. C., 75c. per 100.
AGERATUM, 5 kinds, R. C., 60c. per 100.
STEVIA SERRATA, R. C., 75c. per 100.
VINCA, variegated, R. C., 60c. per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS from sand single and double, Gen Grant S A Nutt Favorite Hill Heteranthe, $1.00 per 100, $9 00 per 1000. From 2½ in. pots, $2 00 per 100 $20 00 per 1000.
CANNAS, dormant, $2 00 per 100, $15 00 per 1000, Chas. Henderson, Fl Vaughan, Helen Gould, Souvenir d'Antoine Crozy, Austria Papa.

Cash with order, please

JAMES AMBACHER, LONG BRANCH N. J.
Mention the Florists' Exchange when writing.

Apple Geraniums

STRONG, IN 2½ INCH POTS
$5 00 per 100.

H. STEINMETZ, Raleigh, N. C.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Landry, Nutt, Buchner, Ricard, Poitevine, Perkins, J. P. Cleary, Dryden other finest single and double Ivy, eight best doubles, and Dwarf Mt. of Snow $15.00 per 1000 for assorted lots, R. C. one fourth less.

COLEUS Very brightest fancy, $5.00 per 1000; G. Bedder and G. Queen, 60c. per 100. Giant leaved, 20 kinds, very showy, $1 00 per 100.

CANNAS Scarlet, white, yellow, crimson and gold edged, pieces, $1.00 per 100.

Heliotropes, dark, sage, dwarf and tall. Ageratum, Pauline, plants $1 00 per 100; R C 60c per 100; Pansies and Giant Single Petunias transplanted, 80c. per 100.

Daniel K. Herr, Lancaster, Pa.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, assorted	$0.60	$5.00
" **Verschaffeltii**, red and yellow	.70	6.00
Geraniums	2.00	15.00
" Mme. Salleroi	1.25	10.00
Ageratum, Stella Gurney	.75	6.00
Alyssum, double	1.00	8.00
Impatiens, the Queen	3.00	

Send for list of Chrysanthemums and Carnations.

Central Michigan Nursery,
KALAMAZOO, MICH.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35 00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2 00 per 100; $13.00 per 1000. My selection; $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

Geraniums. Double Gen. Grant, Bruantii, Alphonse Ricard, Mme. Thibaut, Beaute Poitevine, Frances Perkins, S. A. Nutt, La Favorite, L. Kelway, etc. Extra strong, well-grown plants, from 2½ in. pots, $2 50 per 100; $22.50 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Alphonse Ricard
John Doyle
Comtesse de Harcourt
Le Soleil
Montcau de Feu
Alfred Tennyson
Duc de Montmart
Mme Landry
Marg de Castellane
Carminatum
Beaute Poitevine
Jean Viaud
Mme Buchner
La Favorite
Mons Rompler
Mme Jaulin
Marvel
S. A. Nutt
Rosea plena
Thos. Meehan

Above varieties out of 2 inch pots, your selection, **$2.50** per 100; my selection, **$2.00** per 100, **$18.09** per 1000.

AGERATUM

Best Dwarf Blue, 2 inch, $1.00 per 100, $8 00 per 1000.

HELIOTROPE

Best for pots, 2-inch pots, $1.25 per 100

HENRY GREBE, Florist,
Jamaica & Van Wyck Aves,
RICHMOND HILL, N. Y.

Mention the Florists' Exchange when writing.

GENISTA

2½ in., per doz., **75** cts.; per 100, **$5.00.**

	Per doz	Per 100
Abutilon Savitzii, 2½ in	$0 75	$5 00
Pansy Pelargonium, 2½ in	0 75	5 00
Allamanda Williamsii, 2½ in	0 75	5 00
Clerodendron Fragrans, 2½ in	0 75	5 00
Kentia Belmoreana, 2½ in	1 00	8 00
Araucaria Excelsa, 3 to 4 tiers	6 50	
Asparagus Sprengerii, 2½ in		4 00
Carex Japonica, 2½ in	0 80	6 00
Hardy Pinks (field clumps)	0 80	6 00
CANNAS, New and Standard Varieties.		

THE CONARD & JONES CO.,
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

GERANIUMS

BEGONIAS, ALYSSUM, ASPARAGUS PLUMOSUS NANUS, CYCLAMEN, ABUTILON SAVITZI, CHRYSANTHEMUMS. CYPERUS ALTERNIFOLIUS, DAHLIAS, FERNS, HYDRANGEAS, DRACÆNAS, AGERATUM, SALVIA, VINCA VAR., MARGUERITE, COLEUS, HELIOTROPE. Send for List.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

ANTHEMIS CORONARIA

Double Dwarf Golden Marguerite, $2.00 per 100, by mail.

J. W. MORRIS, - Utica, N. Y.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000.

Extra strong transplanted, from soil, 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

For Delivery February 15th to March 15th

Heteranthe, Buchner and **S. A. Nutt,** at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard,** at $1.50 per 100; $15 00 per 1000.

Acteon, La Favorite, Bounot, La Pilot, Castris and **Jaulin**, at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS.

Double Gen. Grant, S A. Nutt, Poitevine, out of 2½ in pots, all strong plants, $3 00 per 100; $25 00 per 1000.

Ageratum, three varieties, **Alternanthera,** red and yellow, $2 00 per 100; $18 00 per 1000.

Cash with order, please

M. H. KRUSCHKA, Elberon, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme Bruant, Rev. Atkinson, Jas. Gaar and several others.

Also Mme. Salleroi, in fine shape.
Happy Thought, 2¼ in. pots, $3.00 per 100.

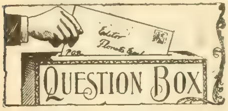
	100	1000
Coleus, in variety, rooted cuttings	$0 60	$5 00
" " in 2¼ in. pots	2 00	18 00
Double Petunias, Dreer's strain, R. C.	1 25	10 00
" " Dreer's strain, 2¼ in. pots	1 75	15 00
Heliotrope, all dark, R. C.	1 00	9 00
" " " 2¼ in. pots.	2 00	18 00
Feverfew, Little Gem, R. C.	1 25	10 00
" " " 2¼ in. pots	2 00	18 00
Ageratum, in variety, R. C.	60	5 00
" " 2¼ in pots	1 25	10 00
Fuchsias, in variety, R. C.	1 00	
" " 2¼ in. pots	2 00	18 00
Vincas, R. C.	1 00	9 00
" 2¼ in. pots	2 00	18 00

Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

Watch
THE
Spring
EDITION



QUESTION BOX

Metal Gutters.

(56) There are in the market several kinds of metal gutters for greenhouses, some of which rest under the sash bar and some on it. In the use of metal gutters in long runs, are any evils found to arise from the expansion and contraction of the metal? J. P.

—We have not heard of there being any serious breakage in glass, or a loosening of the putty where metal gutters are used; but perhaps some one who has had experience with the metal gutters will give an opinion on this subject.

Sand.

(57) Under separate cover, we have mailed you small sample of sand taken from our propagating bench; also a few cuttings of carnations which appear to be rotting badly; yet upon examining same under a glass we find in the pith of the cuttings numerous water white worms, which cause the mischief. The sand is the same as that used last year, but was dried in the sun, then frozen hard last Fall. We fail to notice any difficulty in cuttings of other plants, such as mignonette, coleus, geraniums, etc. Can you inform us about this insect and what to do to eradicate it? We shall dip all cuttings now in the bench and put them back in the old sand after treating it with lime water. We shall then put a whitewash on the bench and new sand for new cuttings.

You must look close for worms; they are small. RICHARD THE FIRST.

—The trouble with the sand in question is that it is full of dirt, or decayed vegetable matter, and the cuttings rot away after being in the sand a short time. The little worms, or maggots, are a result of the cuttings decaying, and not the cause of it. Before new sand is put in the bench, have the sand washed thoroughly clean of all dirt, etc., and there will be no trouble with the worms.

Callas.

(58) We are growing callas and wish to know how to keep the bulbs from one year to another. We plant them in the solid bed (not pots); and last year all of our bulbs rotted. Can you inform us at what time to stop watering them and how to get them dry, so that they will not rot? Do you think it pays better to have them in pots?

PHILLIPS BROS.

—Where callas are grown in solid beds, and it is desired to keep over the tubers for another year, they must be thoroughly dried down and ripened during the Summer months. We would advise commencing in the latter part of May and drying them down gradually by affording water less often; and by the middle of June withholding water entirely, allowing them to remain perfectly dry for a period of two months. Then the tubers can be lifted carefully and replanted in fresh soil. By keeping the soil perfectly dry while the callas are dormant, there should be no rotting of the tubers. We do not think that growing them in pots is any better than growing them in the beds when they are only cultivated for cut flower purposes.

Affected Leaves.

(59) T. M. G.—The leaves of the soft wooded plants, sent for inspection, all show the effects of the plants being kept in too moist an atmosphere, and we think if the house be kept drier, and water applied to the pots only when necessary, the plants will soon outgrow the difficulty before they are put in the garden, even.

Leaves of Box Turning Yellow.

(60) L. H.—The parts of the box hedge that are losing their color are no doubt affected by some local trouble; and we would suggest that the section referred to be taken up, the soil dug deeply, and then the box relaid, trimming off all the long, straggly roots.

Specimen Azalea indica.

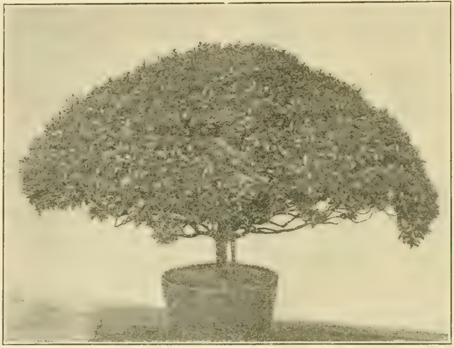
The illustration herewith represents one of a collection of eighteen of the largest plants of Azalea indica in cultivation. These very remarkable plants were once owned by a Belgian amateur, who for many years exhibited them successfully at the principal continental shows, where they always were the admiration of visitors, and a sight never to be forgotten.

The plants were acquired afterward by Sander & Sons, and have since found a home in America. They measure individually 8 to 10 feet across, and when in bloom present a gorgeous effect.

To maintain such a condition of health as the illustration shows requires great care and much time in tying, etc.

At the opening of the Boston Horticultural Hall I noticed some well-flowered pyramidal specimens from Professor Sargent's garden at Brookline, Mass. One rarely finds such plants now, and for some years they have been neglected by nurserymen. To secure such specimens takes many years of patient labor, and we now have some 10,000 plants in various stages, all growing in pyramidal form.

A. DIMMOCK.



SPECIMEN AZALEA INDICA.
Grown by F. Sander & Sons, St. Albans and Bruges.

Some Hardy Palms.

Editor Florists' Exchange:

In Joseph Meehan's interesting note, "Hardiness of Chamærops Excelsa," in your issue of February 21, he states that this palm lives outdoors along the south coast of England, where the plants endure 15 degrees of frost at times. According to Baron Ferd. von Mueller it will withstand a much lower temperature than 15 degrees; in his "Select Extra Tropical Plants" he says of it "The hardiest of all palms, has stood 3 degrees F. with only a slight litter (Count de Saporta)." In a London letter in "Garden and Forest" of March 20, 1889, Mr. W. Watson says it "does very well out-of-doors in the vicinity of London," while the same periodical of April 23, 1890, contains the following interesting note from Udo Dammer, of Berlin, Germany:

"On page 90 of this volume of "Garden and Forest" I stated that plants of Chamærops excelsa were to left out all Winter in order to test their hardiness, and the result has been that they have passed through in good health. Perhaps, therefore, these palms deserve the distinction of having survived a European Winter in the open air in a higher latitude than any others. It is true that the last Winter was mild, the lowest temperature being 8 degrees Fahrenheit and yet the fact is of the highest interest and invites further experiment. To make such experiments most valuable it would be necessary to test palms which have been grown from seed from the most northern limits, or from the highest elevation where the species is ever found."

Although the note states that the Winter was a mild one, yet it will be observed that the plants were subjected to seven degrees more of frost than they are called upon, according to Mr. Meehan, to endure on the south coast of England. From the evidence adduced it would seem more than probable that this Chinese fan-palm might prove hardy in Southern Virginia, especially if a sheltered location were to be chosen for it, and some form of protection afforded for the first Winter or two at least.

In this connection allow me to say that we have in this country a native palm which there is every reason to believe would prove perfectly hardy, not only in Southern Virginia, but also very much farther north; in fact, I would quite confidently predict that Mr. Meehan would find it sufficiently hardy for outdoor cultivation at Philadelphia. I refer to Sabal Adansoni, the dwarf palmetto, or blue palm, which is found growing from Florida up the Atlantic coast to far north and east of Wilmington, N. C. It is a stemless species, or, rather, its short stem is entirely under ground, and its leaves, which are circular in outline, are of a glaucous or bluish-green color, are borne on smooth-edged petioles, and vary in height from two to as much as six feet, according to age, character of soil, etc. A graceful flower spike rises above the leaves to a height of six or seven feet, a characteristic which serves to identify it from any other native species.

Von Mueller, in his work already quoted from, says of it: "According to Count de Saporta it resists a temperature as low as 17 degrees F. M. Naudin found it to endure the frosts in Southern France to 43 degrees 20 minutes north latitude. This palm does well in marshy places."

But I am in possession of evidence which proves that this palm will stand far greater cold than the above testimony indicates. In 1897 I had some correspondence with a party in Arkansas who informed me that this palm grew wild in considerable quantities in his locality. In response to my inquiry for further information he wrote: 'Our Winters here are quite cold for this latitude (34 degrees north) and in 1895 the thermometer was 8 degrees below zero twice, and did not affect the palms at all. Our average Winter here is from 15 above to zero sometimes for a few days, and never affects the palms growing wild. Don't know how far north they will prove hardy, but am satisfied they will grow in the open unprotected many degrees above this."

It is interesting to note that this palm flourishes in both wet and dry soils. From the car windows I have seen thousands of the plants growing in the swamps of Southeastern Georgia, where at certain seasons they are partially or wholly submerged in muddy water for days, perhaps weeks, at a stretch. I have also seen it growing naturally in the high hammock lands of Florida, and also transplanted to the high, dry, sandy pine land dwelling grounds of the State, where it seems to be equally at home. It is a really handsome fan-palm, and its iron constitution should make it valuable as a pot or tub plant under conditions which perhaps no other palm in cultivation would be able to survive.

Another very hardy and meritorious native palm is Rhapidophyllum hystrix, called blue palmetto in the botanies, but better and more appropriately known in its native habitat as the needle palm, or needle palmetto. According to Chapman it is a native of the low districts from Florida to South Carolina, and is accounted one of the most hardy of palms. In Europe it is better appreciated than in its own country and is priced extremely high in the catalogues over there. It is a stemless species, though having the appearance of possessing a trunk from one to sometimes as much as three feet high. This pseudo-trunk is formed from numerous slender, keenly-pointed, brown spines about fifteen inches long, interwoven with a mass of hairy fibres. These needle-like spines give the plant its common name and are a wise provision of nature to preserve the flower bud from harm; the latter, just before the bursting of the spathe, resembles a large snowy white egg nestling among the fibres, and but for the protection of the bristling needles would probably be devoured by animals. The leaves are beautiful, of a deep, shiny green above and silvery gray underneath, deeply slit into narrow ribbons, the points of which, spurred on one side, are slightly bifid, and the edges of the slender petioles are roughened with minute prickles. This species also flourishes when transplanted to high and dry locations, although in its natural state it is almost invariably found with its roots in constantly moist or even muddy ground.

It would hardly do to omit from these notes some mention of sabal palmetto, the cabbage palmetto or cabbage palm of the South, the most northern in range of really arborescent palms, and the plant of all others which most delights the eye of the visitor from the North. This palm is not found growing in its wild state north of Smith's Island, which is situated at the mouth of Cape Fear River, thirty miles below Wilmington, N. C. From here it ranges down the coast region to Southern Florida, and along the Gulf coast to the Apalachicola River. How much farther north than its natural range it could be induced to thrive is a question, but probably for a considerable distance, especially in the immediate vicinity of the coast. In Florida it exceptionally and with great age attains a height of eighty to ninety feet, and on Smith's Island it makes magnificent growth and forms columnar trunks thirty feet tall to their crowns of immense fan-shaped leaves. So vigorous a growth at the northern limit of its natural habitat would seem to indicate that it has not reached its northern limit of endurance.

OB SERVER.

Congressmen and Carnations.

In describing the closing scenes of the Fifty-seventh Congress, on March 4, the correspondent of the Times comments as follows:

"The red carnation brigade was out in full force. All the Republican leaders are fond of red carnations, but never before have they all worn them at once. It is a favorite joke in the House that the carnation is a mystic symbol indicating that the particular House leader who wears it is the man who is to act as the party leader on that day. 'Keep your eye on Grosvenor; he wears the carnation to-day;' or, 'Dalzell is the Republican boss to-day,' are stock sayings. To-day they all wore them. Mr. Cannon arose to the rare dignity of a frock coat, a sure sign that he was not going to make a speech, and put a carnation in his buttonhole. He stood in front of the Speaker's desk, which he is to occupy next December, and seemed reluctant to move away. He stayed there almost continuously until the Speaker gave up the chair to him, and he presided for nearly all the rest of the session."

DON'T POTTER WITH SCRAPS

When You Can Buy Picked and Selected Bulbs at HEADQUARTERS in the Quantities and Varieties You Need for Less.

Without doubt **WE HANDLE GREATER QUANTITIES** of Spring bulbous stock than any other house, aiming to supply choicest quality at lowest possible price and invite comparison.

Cannas

Large, dormant pieces, like those shown in cut, with many eyes: MME. CROZY, PAUL MARQUANT, BURBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, FLORENCE VAUGHAN, ITALIA, QUEEN CHARLOTTE, FLAMINGO, AUSTRIA, ALSACE, SHENANDOAH (grand foliage). $30c. per doz.; $2.00 per 100; $15.00 per 1000.

SPECIAL PRICE ON LARGER QUANTITIES.

DAHLIAS LARGE FIELD ROOTS.

	100	1000
Named Varieties: Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35.00
Separate Colors: Pink, red, striped, yellow or white	4.50	40.00

FERN BALLS

These Should be Started Now for Christmas Trade.

Very Large, with tin cup in center	$25.00 per 100
Large, 7 to 9 inches in circumference	$17.00 per 100, or case of 250 for $40.00
Small, 5 to 7 inches for mailing	$13.00 per 100, or case of 500 for $60.00.

The above is a Photo-Engraving of the Canna Roots we send out

TUBEROSES All Sound and Selected Bulbs

Hand Picked and Selected, 900 in a barrel, 4 to 6 inches, $7.75 per bbl.; $1.00 per 100

Hand Picked and Selected, 1400 in a barrel, 4 inches, $5.50 per bbl.; 75c. per 100.

Hand Picked and Selected Monsters, 600 in a barrel, 6 to 8 inches, $9.00 per bbl., $1.75 per 100

CALADIUM ESCULENTUM (ELEPHANT EARS.)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz.	15.00	

GLADIOLUS

All Selected Bulbs. Florists' should observe the fact that many of the so-called new and improved Hybrids are not suitable for market purposes, being of a flimsy texture will not stand any length of time cut like the Standard Gandavensis varieties, named below.

	100	1000
American Mixed, many whites	$1.00	$8.50
Very Fine Mixed	.75	6.50
Second Size Mixed	.65	5.00
Augusta, pure white	1.50	40.00
May, Daybreak color	2.50	20.00
Shakespeare, white and rose	5.50	50.00
White and Light, best	2.00	18.00

BEGONIAS TUBEROUS-ROOTED.

Very Large Bulbs.	100	1000
SINGLE, Separate Colors	$2.25	$20.00
" Mixed Colors	2.00	18.50
DOUBLE, Separate Colors	5.00	40.00
" Mixed Colors	4.00	35.00

GLOXINIAS, Mixed Per 100, $3.50, per 1000, $30.00

HYACINTHUS Candicans Per 100, $1.50, per 1000, $12.50.

For all other varieties of Spring Planting Stock, get our CATALOGUE just published.

CLUCAS & BODDINGTON CO.

Telephode, 4390 SPRING.

812-814 GREENWICH STREET, cor. Jane St., NEW YORK CITY

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

New York.

News of the Week.

The Brooklyn Horticultural Society met in the rooms of the Germania Club on Wednesday evening with twenty-four members present. President C. W. Ward occupied the chair. John Dowsett was appointed secretary pro-tem., and read a communication from Alex. Wallace tendering his resignation as secretary of the society. Treasurer C. G. Weeber gave a detailed account of the financial standing of the society. After the reading of the treasurer's report an auditing committee was appointed to go over the accounts, and this committee announce that the report had been correct, showing that after all bills had been paid there was a balance on hand amounting to $208.68.

Wm. Plumb gave a detailed report of the exhibition, and J. V. Phillips reported for the decorating committee. It transpired through the reports of these two gentlemen that the thanks of the society were due to many who had helped to make the Carnation Society's convention a success, either by personal efforts or by donating material for decorative purposes. A committee of three was appointed to tender the society's appreciation of these gentlemen's labors who had so materially helped along the work of the society.

The following firms donated plants and flowers for decorating the banquet tables and dining hall: S. J. Reuter, carnations; A. N. Pierson, asparagus, smilax and Adiantum Farleyense; Chas. Krombach, primulas and cinerarias; Chas. E. Koch, palms and other decorative plants; C. W. Ward, carnations and primulas; Chas. Lenker, ericas and laurel; Frank Manker, primulas; Jas. Hartshorne, carnations; Dailledouze Bros., carnations; J. A. Suydam, carnations and mignonette; Schloss Bros., ribbons; H. A. Molatsch, carnations; W. C. Krick, letters. Those who rendered assistance in the work of decorating were: Messrs. A. Funke, C. Iffinger, John Weir, J. Zschorna, P. Wenk, M. Weimann and J. F. Ruddy.

On motion of Frank S. Hicks, the society was made a permanent organization, with meetings to be held three or four times a year. R. B. Gee was elected to the office of secretary. On motion by Chas. Krombach, the secretary was instructed to write a letter of condolence to John Wollmers, expressing to him the sympathy of the society on the death of his father, A. Wollmers.

The meeting then adjourned subject to the call of the president.

The New York Florists' Club will meet on Monday evening, March 9, in the rooms, 128 East 28th street.

The house committee announce that this is "Carnation Night," and growers are requested to send in exhibits, which will be well taken care of and properly staged. A good showing is anticipated.

The greenhouses in Prospect Park, Brooklyn, are particularly bright and gay with flowering plants just now. The cooler houses are radiant with azaleas, hyacinths, tulips and cinerarias. The latter are a very fine strain, and are well grown and flowered. The orchid house has a scattering of gloxinias in full bloom, set among the plants, that help to make the house look very attractive. The large palm house is in good shape. The tall palms that are planted have got well established, and are in a flourishing condition. Mr. Thompson, the head gardener, has been ill for a week or two, but has so far recovered as to be out again. It was owing to illness that he was unable to attend the recent banquet of the Brooklyn Horticultural Society.

John J. Foley, 226 and 226½ Bowery, has compiled a book on floral designs, and is offering it to the trade. The book, or album, contains twenty-four photographs of special designs made by Mr. Foley, and will be a great help to retailers when taking orders from customers.

The American Institute will give an exhibition of roses at 19 and 21 West 44th street on Wednesday and Thursday, March 11 and 12.

John Nash has been at home sick for a week, suffering from influenza.

J. McConnell is still confined to his home with an attack of bronchitis.

George Bradshaw is laid up with a severe sore throat and unable to leave the house.

The dense fog on Wednesday was the cause of all morning shipments of flowers being several hours late in reaching the city. There was, however, enough left-over stock to carry on the business.

There are some twenty new houses going up in the violet section during the coming Spring. The violet industry is evidently in a thriving condition.

John Dowsett has taken a position with C. W. Ward at the Cottage Gardens, Queens, L. I., in the nursery department.

C. W. Ward left Thursday afternoon for a business trip to West Virginia.

J. K. Allen was captain of the team in a recent bowling tournament that carried off the prize. His individual score was a big one, but he is too modest to have it go on record.

A car-load each of grass seed and fertilizers was taken in at Vaughan's Seed Store this week.

Wm. Elliott & Sons will commence their auction sales for the season on Tuesday, March 10, with a sale of hardy roses, rhododendrons, Azalea mollis, conifers, roots and bulbs.

Visitors in town:—P. G. Topper, representing A. Topper & Sons, bulb growers, Hillegom, Holland, is here on his annual visit. Chas. R. Fisk, Worcester, Mass., was in town this week.

SAGINAW, MICH.—The William Roethke Floral Company has been incorporated. Capital stock $25,000, fully paid in; real estate, $7,300, personal estate $17,700; credits, $500, actual value, $350. Stockholders are: William Roethke, Mrs. Bertha Roethke, C. L. Roethke, O. F. Roethke, Mrs. Elise Grause. Officers are: William Roethke, president; Mrs. Bertha Roethke, vice-president; C. L. Roethke, secretary and treasurer.

WAKEMAN, O.—Herman Martin, Jr., will engage in the florist business here.

PLEASED WITH RESULTS.

I am more than pleased with the results obtained from advertising in your paper. The Marie Louise violet stock as advertised by me is completely exhausted; I could have disposed of very much more had I been able to supply the demand.

N. Y. A. W. WILLIAMS.

THIS SPRING

MARCH 28th

Every Spring We Spring The Spring Edition

THIS SPRING

MARCH 28th

Review of the Market

NEW YORK.—The first week in Lent has proven a very disastrous one to the sale of cut flowers, and we find every kind of stock deteriorating in value. It is a good thing that roses are not in what we might call very heavy supply; if they were, there is no telling how cheap they might become. There are, however, more than plenty of them to satisfy the demand, and every day sees job lots of kept-over flowers sold at the buyers' own figures, in order to clean out and make room for incoming stock.

Bulbous flowers are at the lowest figure they have descended to for some time; 50c. per hundred is asked for some kinds of narcissus and fine Golden Spur are not averaging $2.00 per hundred. All other varieties of narcissus can be had at the first-mentioned price. Tulips are going at the same figures, and lily of the valley is bringing only $1.00 and $1.50 per hundred. Violets are down to rock bottom, though the peddlers do manage to use up the supply. That means, of course, that they have to get the flowers at their own figures. For good violets they are paying $2.50 per $1,000, poor stock going at $1.00 and $1.50 per 1,000.

Orchids are selling very unsatisfactorily, though there is a nice regular supply on hand just now, including cattleyas and dendrobiums.

The prices of carnations have taken the most serious tumble recorded this year. Fancies are scarcely bringing ordinary figures. Novelties are to be had at any price almost, and there are more coming in every day than can be disposed of; consequently sacrifices have to be made when a clearance is necessary.

Quite a mass of Spring flowers is reaching the market every day. Forget-me-not is one commodity that will hardly sell at any price. Snapdragon, when with good stems, sells fairly well; and lilac is hard to dispose of at any price. Sweet peas are more plentiful, also freesias. Neither of them is averaging as well as it has done previously.

Lilies have not changed in value materially, and the usual shortage in supply is predicted for Easter. Whether or not this shortage will materialize can be told later.

BOSTON.—All last week, since Ash Wednesday, business went from bad to worse, until on Saturday the market took a fearful slump, recovering slightly on Monday of this week; but at present writing (Wednesday) it is again in very poor condition, worse even than on Saturday. This condition is due to the decided increase in the quantity of flowers sent in, owing to the mild, sunny weather, as well as to the lack of demand, which seems to have fallen flat since the advent of the Lenten season. All kinds of flowers in season are now in overstock, and, except for the better grades and fancies, which clean up fairly well at slightly reduced values, it is extremely difficult to unload them at anything like satisfactory figures.

Prices on American Beauty have weakened this week, but even then the flowers do not clean up. Specials are offered at $4.00 to $6.00 per dozen, with other grades at from $3.00 down to 50c. In Bride and Bridesmaid the better grades move pretty well at $12.50 per 100, with a limited number of fancies realizing $16.00. No. 1 at $8.00 and $10.00 per 100, also do pretty well, but the smaller ones are very druggy and many find no outlet, or one at extremely low figures. Liberty roses, however, hold up pretty well, and Bon Silene, of which the supply is limited, clean up on sight at $4.00 and $5.00 per 100. Meteor have weakened, and specials are freely offered at $12.50, with No. 1 at $8.00 and smaller ones at from $2.00 to $6.00.

In carnations is the overstock very apparent, especially those of ordinary and inferior grades, which are sacrificed at prices running as low as 75c. per 100, and from that to $2.00. The better grades of ordinary sorts are freely offered at $2.50 per 100, with fancies at $3.00 and $4.00.

Bulbous stock is very druggy, and values are such that much stock is sold at the cost of the bulbs or less. Von Sion and Trumpet narcissus make $1.00 to $1.50 per hundred, though in rare cases $2.00 have been obtained for exceptionally good stock. Golden Spur is freely offered at $2.50 to $3.00, and others of the choicer sorts are correspondingly cheap. N. poeticus is in good supply at $1.00 to $1.50 per 100. Tulips range from $1.50 to $2.50 per hundred for singles, the latter price being for the best stock, while double make $3.00 to $4.00 and sell pretty well. Dutch hyacinths are coming along fast, and move only fairly well at $3.00 per 100, with best grade reaching $4.00. Lily of the valley is druggy, at usual prices; and lilies, which are now more numerous, sell with more difficulty at $8.00 and $10.00 per 100.

The violet situation is very discouraging, and prices have reached a level unprecedented at this season, the flowers being offered as low as 10c. per 100; and very good stock has to be sold at 25c. per 100, and at that figure the supply is not exhausted; 50c. per 100 is realized for a few which are extra good, and in most cases contain more than the hundred blooms. Pansies sell well at 75c. per 100, and sweet peas at $1.00 per 100 do pretty well.

The supply of bulbs in pans is now heavy; and azaleas and genistas are plentiful. But the plant trade, as well as the cut flower business, is quiet. F. J. N.

CHICAGO.—Since last report there has been quite a change in the market, or as one commission man put it, a "jump from Christmas to the Fourth of July" in twenty-four hours. There has been a decided drop in prices of stock of all kinds. The change came with the opening of the Lenten season, but was not due so much to that as to the bright weather we have had for the past week or more, which has created a large augmentation of supplies. Carnations are steadily on the increase and are hard to clean up at any price, especially the colored ones; white are still in good demand. Prosperity and Harowarden range in price from $5.00 to $8.00 per 100.

Bulbous stock is arriving in larger quantities, and, as a consequence, prices have fallen.

Smilax is the only thing on this market that has not decreased in price during the past week. R. J.

INDIANAPOLIS, IND.—Not a large amount of business has been transacted during the past week. Stock has been piling up until there is almost a glut, particularly of bulbous flowers. Roses are of good quality, but the demand has not been brisk. Bridesmaid and Bride sell, retail, at $1.50 to $3.00 per dozen; Liberty, $3.00 to $4.00; American Beauty, $2.00 to $9.00 per dozen. There has been a drop in the wholesale price of roses; good Bridesmaid and Bride bring 8c. and Liberty 15c to 18c. There are at last enough carnations to suit everybody; 2c. to 3c. is asked for them; average grades sell at 75c. per dozen, retail. A few fancies, such as Mrs. Lawson, President McKinley and Prosperity bring $1.00 per dozen. Bulbous stock is so plentiful that it is almost impossible to obtain good prices for it. Good tulips and daffodils sell as low as 60c. per dozen. Lily of the valley and narcissus bring 75c., and freesia 40c. per dozen. Single violets are to be had by the thousands; 50c. per 100 is a high price for them. Double violets sell at 50c. per bunch of 25.

A collection of blooming plants which would almost rival that of Easter can be seen in the forcing houses. There is not much demand for them, but they aid greatly in store and window decoration. I. B.

CLEVELAND.—Lent is with us again and the first few days has had a tendency to quieten the market to a marked extent. With the bright sunshine of the past few days, the supply of stock has greatly increased, and prices are lowering, although to no great degree. Bulbous stock is coming in quite freely, and selling better this year than ever before, but with the increased cut of other flowers it shall soon begin to drag and look for buyers. This city suffered a fern panic the latter part of last week; most stores were entirely out of this stock for a few days.

Prices for the week are reported as follows: Roses, teas selects, $10.00 to $12.00; No. 1, $6.00 to $8.00; No. 2, $3.00 to $5.00. Carnations, fancy, $4.00 to $5.00; No. 1, $3.00 to $4.00; No. 2, $1.50. Violets, 50c. to $1.00 per 100; tulips, daffodils, Roman hyacinths and Paper White narcissus, $3.00 to $4.00; Dutch hyacinths and lily of the valley, $4.00 to $6.00; callas $12.50 and L. Harrisii, $15.00 to $18.00; smilax, $15.00; asparagus, $35.00 to $50.00; adiantum, $1.00 per 100. Common ferns, $1.50 per 1,000, in short supply.

In plants, azaleas are selling well, with bulbous stock in pots and pans as a close second. G. W. S.

PITTSBURG.—The Lenten season has checked trade considerably. Stock is very plentiful. Prices are naturally lower and the street men are in their glory, carrying a big stock and selling at any old price. Some good roses are coming in now and the weather has a beneficial effect on carnations, as the month of March so far has given us the first real sunshine since last Fall. Yellow narcissus are more plentiful and way down in price. Dutch hyacinths and tulips go fairly well. Violets are cheap. Sweet peas not plentiful; a little too high in price yet. Lily of the valley sell poorly.

Plant sales are beginning to help along now, potted hyacinths are in later than usual. Ferns and fern dishes are in good demand. E. C. R.

DETROIT, MICH.—The Lenten season does not create any diminution in the number of calls for flowers. American Beauty and other roses are coming in more freely. Carnations are improving in quality and numbers. White stock is scarce owing to large demand for funeral flowers. Bulbous material is plentiful. Callas and Harrisii lilies are selling well at good prices. No great call for violets is experienced at present. Smilax is a little scarce. Wild smilax and fancy ferns are in demand. DILGER.

ST. PAUL, MINN.—Trade has shown a very decided increase which the arrival of Lent has not dissipated. In fact, if it were not for the calendar the florists would not know that Lent had arrived. Funeral flowers have been in great demand, and we are pleased to note the ever-increasing use of colored flowers for such occasions. One of the nicest, most appropriate tokens we have seen in a long time was sent to the home on the death of a prominent citizen. It was a fancy plant basket, filled with Norma hyacinths in full bloom, appropriately trimmed with greens and ribbon. Bunches of American Beauty, Bridesmaid and Liberty roses were among the other remembrances.

Roses have greatly improved in quality as well as numbers.

The store windows are bright with azaleas, primroses and bulbous stock, and everything seems to sell well. Some of the store men are using fancy baskets of plants such as tulips, hyacinths, daffodils, lily of the valley, etc., which seem to sell very readily.

Carnations and violets are in better shape and move well. Violets are short of the demand.

A week ago we experienced the coldest weather of the Winter. The only real damage we have heard of was at Carl Petersen's. Some of his carnations were nipped, owing to a poor boiler.

Soft coal is quite plentiful and prices have dropped $1.00 per ton on nearly all grades.

Recent callers were John Nilsen, of St. Cloud; Frank Berry, of Stillwater. VERITAS.

LOUISVILLE, KY.—The usual Lenten quietness is felt here, and were it not for the fact that funeral work has been unusually plentiful, we might complain about the state of business. We have been enjoying some good, bright weather and consequently flowers are more abundant. Violets, of which we have had very few all Winter, are in greater supply. Bulbous stock of all kinds is also plentiful, and in connection with azaleas and spiræas are much used for window decoration. Retail prices are: Roses, $1.50 to $2.00; American Beauty, $3.00 to $6.00; carnations, 50c. to $1.00 per dozen; violets, 50c. to $1.00 per 100; Dutch hyacinths, $1.00 to $2.00; Roman hyacinths and Paper White narcissus, 50c.; jonquils, 50c. to 75c.; Harrisii lilies, $3.00 to $4.00; and callas, $2.00 to $3.00 per dozen. A. R. B.

HARTFORD, CONN.—Business the past week has been rushing. It was generally supposed that when Lent started in the demand for flowers would decrease, but such is not the case, and roses are not over-plentiful, but are of fine quality. Bride, Bridesmaid and Golden Gate are the best selling varieties at present, and bring from $1.00 to $2.00 a dozen. Carnations are, perhaps, a little more abundant than heretofore, but the supply is still short of the demand. Daffodils and tulips are selling well; in fact, all kinds of bulbous stock meet with ready sale. Some very fine violets are in the market and are much called for. There is also a good demand for azaleas in pots at from $1.50 to $3.00 each. Hyacinths and tulips in pots and pans, cinerarias, cyclamens, primroses and lilacs in pots are also selling well. J. F. C.

KALAMAZOO, MICH.—Business has slackened up somewhat the last week or two, but as crops are still very light no bad effects are likely to be felt. Prospects are at present most satisfactory for a good Easter business, crops promising a nice cut by that time. Lilies with all our growers are doing well this year, and there will be plenty of time to get them in. S. B.

The Largest, the Brightest, the Freest Scarlet
CARNATION
CHALLENGER
blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.
WILLIAM HOFFMAN, PAWTUCKET, R. I.
Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.
Now on press. Write for particulars.
Price, $3.50.
THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

WANTED.
Plants of
DESFONTAINEA SPINOSA
STAUNTONIA HEXAPHYLLA
State sizes and price.
CITY NURSERIES, Redlands, Cal.
SIDNEY HOCKRIDGE, Mgr.
Mention the Florists' Exchange when writing.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000
CHARLES LENKER, FREEPORT, L. I., N. Y.
Mention the Florists' Exchange when writing.

HOLLAND BULBS
85 acres in cultivation: **Hyacinths, Tulips, Narcissus, Crocus, etc.**
C. J. SPEELMAN & SONS,
Sassenheim, Holland.
Our Mr. John Speelman visits our customers from Feb. 1st till May 15th. Address all correspondence care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York City.
Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbena, new mammoth	$0 40	$3 00
Asters, Early Market	0 35	2 50
Candytuft, Empress	0 30	2 00
Alyssum, Little Gem	0 30	2 00
Daisies, Bellis, large plants	0 35	2 00

Cinerarias, finest, in bud, 4 in., $1.00 per doz.; $6.00 per 100.
J. C. SCHMIDT, - Bristol, Pa.
Mention the Florists' Exchange when writing.

FOR EASTER
Baby Primroses
Primula Forbesii
Out of **4-inch** pots, in full bloom, $1..00 per doz.; $8.00 per 100; $75.00 per 1000.
CUT BLOOMS
75 cts. per 100; $5.00 per 1000.
Carefully packed. Cash please.
One pair of extra heavy **AZALEAS**, specimens; single, pure white, five feet high, over three feet in diameter; just coming into bloom. $10.00 the pair, express prepaid. Worth $25.00.
Henry Eichholz, Waynesboro, Pa.
Mention the Florists' Exchange when writing.

MANHATTAN SUPPLY CO.
One Scollay boiler No. 5, $40.00.
New hot-bed sash, 3x6, with iron bands, made from 10-in. glass, sash with enough glass to glaze it, $1.60 each; for 6 in. glass frame with enough glass to glaze it, $1.50 each.
10x14 8x10 French glass, double thick, $2.75 per box.
Rubber hose, 8 ply, 7c. per ft.
All kinds of plumbing tools, shovels, spades, paints, putty, seasoned lumber.
We send men out to superintend construction, and furnish all materials, new and second-hand, for same, at great reduction from regular cost.
We also buy and tear down greenhouses and buildings of all kinds.
A fine lot of side-board wheelbarrows, extra heavy bracing, $3.00; our own make.
Also second-hand iron wheelbarrows at the same price.
Second-hand wrought-iron pipe, guaranteed sound, ¾-in., 3c. ft.; 1-in., 3¼c. ft.; 1¼-in., 4½c. ft.; 1½-in., 6c. ft.; 2-in., 8c. ft.
All fittings, 4c. per lb.
Cash with order please.
339 East 23d St., NEW YORK.
Mention the Florists' Exchange when writing.

COLUMBIA TUBS
Are for sale by all the leading Seedsmen this season. Be sure to specify **COLUMBIA TUBS** when you order if you want **The Best Plant Tub Made.**
Manufactured by
THE INVALID APPLIANCE CO., 150-160 Vedder St., **Chicago, Ill.**
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by a German; age 35, single; No. 1 worker; 17 years' experience. Address K. X., care Florists' Exchange.

FIRST CLASS young gardener with good reference would like to get position. Address E. P. Gardner, 122 E. 73d St., New York.

SITUATION wanted by young man, age 20; 4 years' experience in greenhouse establishment. Not afraid of work. Address K. N., care Florists' Exchange.

YOUNG MAN, experienced in roses, carnations, and general greenhouse work, age 21, wishes situation. Best references. Address James Stewart, Westport, Conn.

YOUNG man wants position as assistant in a private place to better himself. Can furnish best of references. State wages. Address K. K., care Florists' Exchange.

POSITION wanted as foreman or manager by man competent and reliable in every respect; life experience; best of references. Address D. E. Sutherland, Athol, Mass.

FIRST-CLASS grower of cut flowers and general stock, wants position as working foreman. Industrious, best of references, married. Address K. G., care Florists' Exchange.

GERMAN, 29, 15 years' experience in greenhouses and landscape work, wishes only steady position. Please state wages. Address G. A., 802 Communipaw Ave., Jersey City.

SITUATION WANTED BY HOT-HOUSE GRAPE GROWER. HAVE GROWN FOR THE LARGEST EUROPEAN MARKETMEN. ADDRESS F. ARCHER, CARE FLORISTS' EXCHANGE.

SITUATION wanted by April 1, as gardener on private or foreman on commercial place, by a German; married man, 36 years old. Twenty-two years' experience in the business. Address K. O., care Florists' Exchange.

SITUATION wanted as foreman by first-class, all-around grower; roses a specialty. First-class references; single, 26 years' experience; capable of managing large plant. Address Foreman, 30 Temple St., Boston, Mass.

SITUATION wanted, commercial or private, by a sober German, single, 30. Up-to-date on carnations; good grower of general greenhouse stock. Twelve years' practical experience. Address K. J., care Florists' Exchange.

YOUNG SWISS, 21, speaks German, French, and English, wishes situation in a good florist or nursery establishment. Good references and willing to work. Address T. Grossenbach, Beaver Valley Nurseries, Beaver, Pa.

SITUATION wanted by a young man; German, 26 years of age, married. Eleven years' experience in the florist business; commercial or private; good references. Address, stating particulars, to Henry Mueller, Rye, N. Y.

POSITION WANTED, as manager of a commercial, or head gardener on a private place, by thoroughly qualified, all-around man. Best of references from last employer. Scotchman, single. Address J. E. Whyte, Scarborough, N. Y.

SITUATION wanted, by May 1, on commercial or private place, as foreman or manager. Experienced in roses, violets and general stock. Best reference as to character and ability. Address Winkley Cedar, Manager Cliff Rose Co., Paterson, N. J.

SITUATION wanted as foreman by first-class all-around grower; roses a specialty; understands grafting of roses under glass; 8 years in one of the largest rose-growing establishments of the East. Best references. Address K. L., care Florists' Exchange.

SITUATION wanted by a practical experienced man in pot plants and cut flowers. Norwegian, age 26. Excellent references from the best commercial places in England and other parts of Europe. Please state wages. Address K. M., care Florists' Exchange.

SITUATION wanted as head gardener to take charge of gentleman's country place; well posted in all details pertaining to management of first-class place. Scotch, 20 years' experience; married. Good references. Address W. D. Robertson, Centre Island, Oyster Bay, N. Y.

SITUATION wanted by working foreman, competent to take full charge. First-class grower of roses, carnations, chrysanthemums, violets, palms, ferns, etc. Christmas, Easter and bedding stock, used to handling men. At liberty April 1. Address, stating wages, K. H., care Florists' Exchange.

SITUATION WANTED—Head gardener, English, married, one with wide experience in the cultivation of plants, fruits, and vegetables under glass. Capable of running an extensive place, including vegetable garden and lawns, and landscaping; also of handling men. Good references as to ability and experience. Address K. P., care Florists' Exchange.

Mention the Florists' Exchange when writing.

SITUATIONS WANTED

ROSEGROWER and gardener, single (34); 20 years' experience, well up in all branches; able to take charge, wants situation on large commercial or private place; best of references. Address Gardener, care A. Langen Central Ave. and Hackensack Plankroad, West Hoboken, N. J.

CAPABLE florist and gardener, 27, desires situation in private place. Understands vine culture, orchids, and all kinds of modern plants under glass; thoroughly at home beautifying and caring for the grounds, as well as for fruit and kitchen garden. Possesses an exceptional European gardening education. Excellent references. Address H. J. Berger, Waltham, Mass.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED—Good packer and several good potters; also a good rose grower. Apply to 409 Fifth Ave., New York.

WANTED—Competent grower of carnations, chrysanthemums, and Easter stock. Wages $12.00 per week to good man. Address K. A., care Florists' Exchange.

WANTED—Experienced man on carnation and pot plants; also to help on design work and shipping flowers. Address, with references, S. J. Reuter, Westerly, R. I.

WANTED, young man as assistant for orchids; must be familiar with potting, and come well recommended. Wages $40 per month. K. Y., care Florists' Exchange.

WANTED—Competent all-around man who understands rose and carnation growing. Wages $45.00 per month and furnished room. Address K. D., care Florists' Exchange.

WANTED—Good practical greenhouse hand to assist in working up bedding stock. $30 per month to man competent to take charge of 15,000 feet of glass. J. T. DeWitt, Bristol, Pa.

WANTED—Practical florist, must be thoroughly experienced in roses and carnations, and be able to grow good stock. Permanent place to right man. Address K. C., care Florists' Exchange.

WANTED, young man with two or three years experience for general greenhouse work; wages $20 and board per month. State experience and references from last place. George S. Belding, Middletown, N. Y.

WANTED—Men for general greenhouse work, cut flowers, and plants. 100,000 sq. ft. of glass; references required. Wages $25.00 per month, board and room. Address K. B., care Florists' Exchange.

WANTED at once, man who has had experience in rose growing, cutting and re-potting; must come well recommended. Apply to Foreman, E. G Asmus, Hudson Boulevard and Milone St., W. Hoboken, N. J.

WANTED—Night fireman, married man preferred; one handy with tools, who can make all repairs. Permanent to the right man. Also greenhouse helper. State wages expected. Rowayton Greenhouses, Rowayton, Conn.

WANTED, working foreman to take charge of commercial place; one who understands growing carnations and violets, and can make up funeral and wedding pieces. Single man. Address F. B. Abrams, Blue Point, N. Y.

WANTED, sober, steady man, to take charge of steam plant in Winter; look after vegetable garden and lawn in Summer. Must be single; German preferred; $25.00 per month and board. References required. C. H. Ott, M.D., Sayre, Pa.

WANTED at once, two good all-around men in greenhouse work, who understand how to handle palms, ferns, and Easter stock. Must be sober, reliable, and willing to work. Steady employment and good salaries for right men. Call or address R. Dreyer, Woodside, L. I., N. Y.

WANTED at once, good grower of roses to take charge and grow for retail trade; four houses, thirty-five hundred plants. Also, assistant for vegetable houses, one who knows how to hose and box off. Give references and experience; both positions. I. Shelby Crall, Monongahela, Pa.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester Mass.

WANTED Young man of some experience in retail florist business, as assistant to decorator. Good personal habits are absolutely necessary. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

WANTED—A man of experience who has good judgment and taste in the handling of flowers at retail. To a man of ability and who is conscientious, a well-paid permanent position is offered. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED AT ONCE Young man of neat appearance and with some experience in florist store. Must be honest and reliable; one who knows something about retailing seeds preferred. A steady position for the right man. References required. Address K. E., care Florists' Exchange.

WANTED Experienced foreman, married man, to take charge of retail place, mostly pot plants, bulbs and Easter stock, also some outside work on private places. Must be a hustler, have thorough knowledge of the business and come well recommended. Address K. F., care Florists' Exchange.

BUSINESS OPPORTUNITIES

FOR SALE, 5½ acres of fine land, with good buildings, etc., in a thriving village. Francis Brill, Hempstead, L. I., N. Y.

FOR SALE—Will sell, cheap for cash, a plant of 18,000 feet of glass in violet district on Hudson River; suitable for carnations or violets. Address K. V., care Florists' Exchange.

FOR SALE -Well paying florist establishment at Grand View-on-Hudson, N. Y.; three greenhouses 20 x 130; several acres land; nine-room residence; everything in fine condition. Address K. W., care Florists' Exchange.

I HAVE six acres of fine land to lease or for sale for florist purposes at Secaucus, N. J. Cars pass the place. One hour from New York City, on Paterson Plank Road. Address William H. Huber, Secaucus, N. J.

FOR SALE, first-class place for greenhouse establishment; five acres of good land. New house and barn; electric cars pass door; within ten miles of State House, Boston. Address J. C., 21 Mill St., Dorchester, Mass.

FOR SALE or rent, greenhouse property; 2 acres, 7 houses, barn, dwelling, sash, gas and water privileges. Ten minutes by rail from 34th St. Ferry, New York. Possession immediately. A. Gladstone, Woodside, L. I., N. Y.

FOR RENT or sale, three greenhouses, 18 x 200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession, Joseph Wood, Spring Valley, N. Y.

FLORIST BUSINESS FOR SALE—Established over 30 years in the best location on Massachusetts Ave., North Cambridge, Mass. Well stocked with plants, etc., doing a good business. Selling on account of death of the owner. Apply to Mrs. W. A. Bock, 2388 Massachusetts Ave., North Cambridge, Mass.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

A BARGAIN for $500 cash; 12,000 bedding plants in 2 to 3½-inch pots; 3000 cuttings; 500 hyacinths and lilies; 3500 pansies; pots, sash, wagons, all kinds of tools; 5 years' lease good 6 roomed dwelling, greenhouse, all necessary outbuildings and 9 acres ground. Fruit enough to pay lease. Close to Harrisbrug, Pa., market. Sickness cause of selling. Possession April 1. Address K. Q., care Florists' Exchange.

FOR SALE, plant of Chatham Rose Company, Chatham, N. J., on D., L. & W. R. R. Twenty miles from New York; 8 houses of 1100 running feet or 21,000 square feet of glass, fully stocked with Bride and Bridesmaid roses. All in first-class shape and running order. City water in all houses. Also large corner dwelling. Inspection invited. Price reasonable. Reason for selling, engaged in other business. Call or address, H. B. Green, Madison, N. J.

MISCELLANEOUS

WANTED to buy or lease, about 10,000 feet of glass in good order, near Boston. References given Box 116, Wellesley, Mass.

FOR SALE Wood from three large rubber trees for cuttings; or will exchange for rooted carnation or geranium cuttings. Address Lawton & Son, Bristol Ferry, R. I.

Mention the Florists' Exchange when writing.

The Boston Co-Operative Flower Growers' Association

—Annual—

Carnation and Flower Show

Saturday, March 14, 1903

Get Circulars from

GEORGE CARTWRIGHT, Sec'y,

Flower Market

Park Street, BOSTON, MASS.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED, 40,000 BERBERIS THUNBERGII. SEE AD. PAGE 248.

WANTED, second hand Scollay boiler, steam, No. 6 or 7; must be in good condition. Write K. U., care Florists' Exchange.

WANTED to rent, 4 to 5 greenhouses with some land suitable to grow cut flowers; near New York City. Address K. R., care Florists' Exchange.

WANTED, 500 white stocks, 200 candytuft, 2½ inch pots; to cut for Memorial Day. State lowest price. Address K. S., care Florists' Exchange.

WANTED, offer for entire edition of new 50-cent, sixteen-page illustrated pamphlet on culture of popular plant. Only book on subject. Write K. T., care Florists' Exchange for particulars.

WANTED, to lease by about June 1, place consisting of 15,000 to 25,000 feet of glass in good condition, near New York City. Privilege of buying. State particulars, size, price, etc. Address H. P., care Florists' Exchange.

LEGAL NOTICE.

NOTICE OF SPECIAL MEETING OF STOCKHOLDERS.

A. T. DE LA MARE PRINTING AND PUBLISHING CO., LTD.

A special meeting of the stockholders of this Company is hereby called, pursuant to a resolution unanimously adopted by its Board of Directors, for Tuesday, March 24th, 1903, at 12 o'clock noon, at the offices of the Company, Rhinelander Building Nos 2 to 8 Duane Street, Borough of Manhattan, New York City, for the purpose of considering an increase of its capital stock from $40,000 to $60,000 to consist of 1200 shares of the par value of $50 each. Transfer books will be closed from March 21st to March 24th, 1903, at 3 P. M. By order of Board of Directors. A. T. De La Mare, I. F. Wells, Jos. Magill, James Dean, Andrew Peck, John G. Esler, Jas. H. Griffith.

Every **on Easter**

The Florists' Exchange

will issue its

Special Spring Trade Edition

March 28

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

Allegheny, Pa.—E. C. Reineman, 305 Lowry St.
Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave.
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
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Indianapolis.—Irwin Bertermann, Mass. Ave.
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Pittsburg, Pa.—See Allegheny.
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Syracuse, N. Y.—G. Milmine, 103 Everson Bldg.
Toledo, O.—C. J. S. Phillipps, 115 St. Clair St.
Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf, 14th & H Sts., N. W.
Worcester, Mass.—H. A. Jones.

PAMPHLETS RECEIVED.

MASSACHUSETTS HORTICULTURAL SOCIETY, Part I, Transactions for the Year 1902; also List of Accessions to the Library.

Burpee's (Philadelphia) Prize Supplement.

Society of American Florists and Ornamental Horticulturists.

Express Rates and Other Matters.

At the meeting of the executive board in Milwaukee, Wis., March 17, one of the most important matters to receive attention is the discriminating express tariff on flowers which has been in force since December 10, 1902. It is essential that the fullest details of protests or other action on the part of individuals, clubs, or societies should be in the secretary's office in season for compilation and arrangement in convenient form for the consideration of the Board. A number of reports from State vice-presidents and local secretaries are already on file, but many more are needed if the movement on the part of the national society is to carry weight as representing comprehensively the sentiments of the floricultural profession. Action taken in several places has come to my knowledge only through reports in trade papers. Official notification of all such should be transmitted to this office over the signatures of the proper officers or other active participants, and I would respectfully urge that this be done at once so that, if stringent measures are eventually forced upon us, the needed material may be at hand. The case as presented by the Boston meeting has already been before the traffic managers in New York City for three weeks.

All members having views on questions affecting the Society's future policy and welfare which they would like to submit to the Executive Board are earnestly requested to put same in writing and forward them at once to the secretary.

The following-named elected or appointed State vice-presidents for the year 1903 have severally accepted the office and pledged their best efforts for the advancement of the Society's interest:

Alabama—Wm. F. Lindsay, Birmingham; California—H. H. Lilienthal, San Francisco; Colorado—J. A. Valentine, Denver; Connecticut—Theodore Wirth, Hartford; Florida—W. J. Ellsworth, Jessamine; Georgia—L. A. Berckmans, Augusta; Illinois (South)—John Willius, Danville; Illinois (North), J. B. Deamud, Chicago; Indiana, W. W. Coles, Kokomo; Iowa—W. Greene, Des Moines; Kansas—A. H. Whitcomb, Lawrence; Kentucky—A. R. Baumer, Louisville; Louisiana—Harry A. Papworth, New Orleans; Maine—H. R. Mitchell, Waterville; Maryland—C. L. Seybold, Baltimore; Massachusetts (East)—H. P. Kelsey, Boston; Massachusetts (West)—A. J. Loveless, Lenox; Michigan—Robert Flowerday, Detroit; Minnesota—O. A. Wilt, Minneapolis; Missouri—C. A. Juengel, St. Louis; Nebraska—Lewis Henderson, Omaha; New Hampshire—B. Morris, Portsmouth; New Jersey—W. B. DuRie, Rahway; New York (East)—Benj. Hammond, Fishkill-on-Hudson; No. Carolina—Jas. M. Lamb, Fayetteville; Ohio (North)—Isaac Kennedy, Cleveland; Ohio (South)—Wm. Murphy, Cincinnati; Pennsylvania (East)—I. K. Giles, Reading; Rhode Island—L. J. Reuter Westerly; So. Carolina—Martin Stork, Columbia; Virginia—Lloyd G. Blick, Norfolk; Wisconsin—F. H. Holton, Milwaukee; Canada—H. H. Groff, Simcoe.

Report on Test of American Grown Bulbs.

In response to the request made through the columns of the trade papers last season, home-grown bulbs were sent to the convention at Asheville, N. C., for exhibition and testing as to forcing qualities, by Misses Wilson, Sorrento, Fla., and Poat Bros., Ettrick, Va. These bulbs, consisting of narcissi in several varieties, were placed in the hands of W. H. Siebrecht, Astoria, N. Y., and received from him the ordinary treatment given to bulbs of this class as forced for the production of cut flowers. Mr. Siebrecht's report thereon is as follows: "The Paper Whites were as good as the French. The Golden Spur not quite as large as the Dutch-grown, but all flowered A 1. The Trumpet Major were as good as any grown. Incomparable all flowered. The Poeticus ornatus were a little weak. Emperor and Empress O. K. Sir Watkin gave plenty of bloom. Campernelles were very floriferous. These were all the varieties supplied, and they proved, for the size of the bulbs, more than satisfactory, those from each of the exhibitors being equally good."

An opportunity will again be given the American growers of forcing bulbs and dealers in these products to demonstrate the qualities of their goods at the convention in Milwaukee, Wis., next August, and the gratifying outcome of the small display made at Asheville, as above recorded, should result in an increased number of entries this year.

WM. J. STEWART,
Secretary.

Peony Registration.

We have received, evidently for publication, from the "Secretary, S. A. F. Peony Association," a list of peonies (not new) of Japanese origin, said to have been registered by a New York importing firm with this so-called association, which registration, it is stated, "is to prevent as far as possible the duplication of names in this country. Heretofore nearly every establishment that bought this Japanese set gave same a set of names of its own. It will readily be seen that this system would create endless confusion, and to bring order out of chaos the Japanese names, in brackets, are appended to the new ones which have been appended (sic)."

We regret that we cannot, under the circumstances, assist in the very laudable desire to bring light out of this Oriental gloom; because, to the best of our knowledge and belief, there is no "S. A. F. Peony Association" in existence; and we cannot recognize any actions of an institution masquerading illegitimately under that title, in the matter of registration, or otherwise.

Besides, the list furnished is of little value. Here is a sample of the information supplied: "Achievement (Yayo-no-ho-mare) (then follows description) The Japanese name means 'Renowned, wonderful skill'."

If "nearly every establishment that bought this Japanese set gave same a set of names of its own," it would be of far greater service to purchasers of peonies to have the different designations given by these establishments to the set, rather than the Japanese appellations and their English equivalents, which, admittedly, have been discarded over here. We are not so much concerned, for instance, to know that the Japanese name of Bacchus is Kochomai, and that that in English means "Dancing Butterfly," as we are to be informed under what other American cognomens Bacchus is tripping the light fantastic toe in the United States.

BOOKS RECEIVED.

HOME FLORICULTURE, a practical guide to the treatment of flowering and ornamental plants in the house and garden, by Eben E. Rexford. Illustrated, 5 x 7 inches, 300 pages, cloth. Orange Judd Company, New York; price, postpaid, $1.00.

This book is written by one of the most experienced amateur floriculturists and most pleasing writers in this country. His intimate knowledge of the wants of the people has convinced him what is wanted in this direction is not scientific text books, but plain, practical, easily understood information which will enable those who love flowers to grow them successfully. The book has been written from the author's lifelong personal experience among flowers, and not from theory. Every detail in the principles and practice of plant growth and management is concisely, clearly and minutely explained.

The book treats on the soil for plants in pots, potting, watering plants, insects and how to fight them, care of house plants during Summer, fertilizers, diseases of plants, Winter precautions, dormant plants, appliances for the amateur's use, small greenhouses. Very complete lists and descriptions of plants best adapted to window culture are given, also of the best outdoor annuals, hardy perennials, shrubs, and plants for various purposes. The closing chapter, entitled "After Thoughts," forms a unique and pleasing combination of floricultural odds and ends, without which the book would have been deprived of one of its most instructive and attractive features. Over seventy illustrations add considerably to the artistic appearance of the book.

Banquets and Backbone.

That was a somewhat unusual, if not a humorous turn that the speech of the president of the S. A. F. took at the banquet tendered the American Carnation Society on Friday evening, February 20, in Brooklyn, N. Y. The gentleman in question was asked to reply to the toast, "The City Beautiful," and, after a few commonplace comments, he immediately launched forth into a justification of his actions as president of the S. A. F., vouchsafing the assertion that "the president of the Society of American Florists has no apology to make for anything he has done, no regrets to offer, * * *"

So far as we know, or have read, no action of the president has at any time been called in question, criticized, or in any manner referred to adversely, and, with all due respect, his quoted remarks, in addition to being entirely out of place, were gratuitous, ill-advised, unnecessary, and uncalled for. Time enough to defend one's self when he is arraigned on any specific charge.

As the outcome of Mr. Burton's comments we have the following statement in a Chicago contemporary: "In closing he made a pointed reference to certain recently-published malevolent criticisms of the official acts of the Society of American Florists which he believed would be resented by all true friends of the national organization."

These are not Mr. Burton's words; consequently, they must voice the feelings of the man who wrote them. But he, too, is laboring under a delusion. There have been no "recently-published malevolent criticisms of the official acts of the Society of American Florists" that have come under our observation. We confess to having read criticisms on the inactivity of the society, which means no action at all. But that was merely individual opinion and uttered for what it was worth. On the other hand, had the writer of the sentence above quoted omitted the vituperative adjective, "malevolent," and changed around the words of his report to read, "criticisms of acts of officials of the S. A. F.," he would have been somewhat nearer the truth.

Let the blame for the action that has given rise to criticism—so far as we are concerned—be placed where it belongs; which is neither on the S. A. F. nor its president; but on the peony "committee of nine" appointed by him, the names of the members constituting which, by the way, are mysteriously being kept secret, for what good reason we know not.

In its decision to assist the peony interests of the country the S. A. F. meant well, and its "official act" in connection therewith is to be commended. Doubtless, too, President Burton selected the committee with the best of intentions, having faith that the gentlemen forming that committee would carry out its work in accordance with the powers conferred upon it by the society's vote. If that committee, or any part of it, has exceeded its authority, which it unquestionably has done, all vituperation, condonation and cavil to the contrary notwithstanding, and acted in a high-handed and presumptuous manner, thereby imperilling the stability of the S. A. F., that is the "misfortune of the society and not the fault of its president."

But let no man be carried away with the idea that any officer, or any committee, is the S. A. F. itself, or that the society is responsible for their actions until these actions have been approved and endorsed by the society. They are very unwise who think so, and the S. A. F. members will no doubt disabuse the minds of those who hold this belief when the convention time for 1903 rolls around—or we are much mistaken.

Obituary

Mrs. George A. Rackham.

Aggie C. Rackham, the beloved wife of President Rackham of the American Carnation Society, died at her home in Detroit, Mich., on Monday, March 2, of pneumonia. Her husband and four children the youngest of whom is seven years of age, mourn her loss. The funeral was held Wednesday, and the many floral tributes testified to the great esteem in which the deceased lady was held.

We extend our sincere sympathy to Mr. Rackham and family in their sad bereavement.

John H. Dunkelberger.

John H. Dunkelberger, who, in partnership with Mr. Beears, conducted a florist's establishment at Reading, Pa., died suddenly on February 23 of paralysis of the heart. Deceased was 38 years old and leaves a widow and three children. He entered into partnership with E. H. Beears on February 7. Prior to that time he was a well-known stove mounter at the Mt. Penn Stove Works. Mr. Dunkelberger was a member of Wyomissing Council, Royal Arcanum, Knights of the Golden Eagle, and St. Paul Reformed Church.

Anton Brigel.

Anton Brigel, a florist of Columbus, O., died at his home on February 25, of cancer of the stomach. The deceased was born in Baden in 1842. Most of his study of botany was pursued in schools and universities of the old country. In 1883 he came to Columbus and opened a florist establishment in South Columbus. Three years later he moved to North Columbus, where he lived until the time of his death. He is survived by a widow and five children, three sons and two daughters, Frank A., Carl J., Leopold J., Theresa M., and Julia K. Brigel.

Anthony Wollmers.

It is with regret that we announce the death of Mr. A. Wollmers, the well-known florist of 25th street, Brooklyn, N. Y. Mr. Wollmers had been quite ill for about four months, but not until the day before he died was his condition considered serious. He would have been 70 years of age had he lived until May next. His death occurred on Wednesday, February 25, and the interment took place in Holy Trinity Cemetery on the Saturday following.

The deceased was born in Germany and learned the gardening and florist business in that country. Coming to the United States while still a young man, he followed his occupation with Weir, the Greenwood Cemetery florist. He was a veteran of the civil war, and established his own florist business just 21 years ago. He leaves a widow and four sons, two of whom, John and Frank, will continue their late father's business.

Nicholas Ohmer.

Nicholas Ohmer, the veteran Ohio horticulturist, died at his home near Dayton, on Friday, February 27, aged 80 years. He was born in France, coming to this country when quite young with his parents. He, in partnership with his father, conducted a confectionery business, latterly turning his attention to horticultural pursuits, especially the cultivation of small fruits, particularly strawberries. He was the originator of the barrel system of growing the latter fruit.

His life was a busy one, and he attended actively to his own affairs till it was utterly impossible for him to do so. He was a member of Sacred Heart Church, president of the School Association of that church; vice-president of Calvary Cemetery Association, a director of the Merchants' National Bank, president of the Montgomery County Horticultural Society, president of the Montgomery County Farmers' Club, and vice-president of the Ohio State Horticultural Society. Mr. Ohmer was also active in conducting county and State fairs, having been connected with such enterprises, exclusively to promote interest in the various lines of agriculture and horticulture, for more than a quarter of a century. A widow and eight children survive him, one of his daughters being the wife of E. G. Gillett, of Cincinnati, O. A son, C. J. Ohmer, is in the employ of Mr. Gillett, another son, Harry S., being proprietor of the Grand Hotel, Indianapolis, headquarters of the American Carnation Society in that city last year.

Contents.

PAGE
American Rose Society 253
An Up-to-Date Establishment..... 271
Azalea indica, Specimen (Illus.).... 254
Banquets and Backbone......... 258
Books Received 258
Briefs For Busy Florists........ 253
Canadian News 262
Carnations 260
Carnations and Congressmen....... [illegible]
Catalogues Received............ [illegible]
Citrus trifoliata as a Hedge Plant . 261
Dahlias 268
Express Rates 250
Market, Review of The............ 256
Nursery Department 249
OBITUARY:
  Mrs. Rackham, J. H. Dunkelberger, Anton Brigel, Anthony Wollmers, Nicholas Ohmer..... 259
Peony Registration................. 258
Question Box................... 254
Seed Trade Report.............. 247
S. A. F. O. H.:
  Express Rates, Report on Test of American Bulbs.................. 258
Solid Beds vs. Benches............. 268
Soot, To Dispose of................. 269
TRADE NOTES:
  New York 255
  Chicago 259
  Philadelphia 261
  Boston 262
  Indianapolis, Kalamazoo.......... 266
  Cleveland 268
  Pittsburg, Washington............ 269
Tree Tomato (Illus.)................. 260

Chicago.

Among Growers.

A visit to the establishment of August Jurgens, one of the largest forcers of bulbous flowers for this market, found his place in nice shape, and an immense quantity of stock on hand, in bloom and otherwise. He has also one or two houses devoted to Spring bedding plants, in which he has a good trade. He is the largest forcer of lily of the valley for the local market, doing an immense business therein. He is forcing upward of one million pips this season, and has a model cold storage room in direct connection with his greenhouses, never having to go outdoors at any time for his pips. The temperature is never above the freezing point, yet the pips are not frozen. Mr. Jurgens has the finest cellar for keeping cut flowers the writer has ever seen, having zinc pans and rack, where each bunch of flowers can be kept upright, doing away with the handling of vases. And if he wishes, he can keep a continuous flow of water running. He finds the expense of installing this system, not so great as the outlay for vases. It is also a good deal handier to operate.

The Week's News.

With the advent of the Lenten season, trade, both wholesale and retail, has fallen off considerably. This has caused a cheapening of all kinds of stock, but at the present writing the market is a little firmer than during the latter part of last week. Retailers report their sales on the increase. The falling off in prices has been more noticeable this year than ever before on account of the higher figures that have prevailed for stock of all kinds; in fact, it can almost be said that Christmas values have obtained up to a week ago. But with bright and warmer weather with us there is no doubt that, with an increasing supply of stock, the tendency of the market will be downward.

Stollery Bros. report that the average of good lilies with them this year will be about 90 per cent. This firm does an immense business in bulbous stock of all kinds, and is handling its own cut this year, having rented space in the Chicago Flower Growers Co.'s market.

Frank Garland has remodeled his store somewhat by enlarging the office space, which makes a decided improvement. The store is now in charge of Frank Lockyear, formerly with J. B. Deamud.

J. B. Deamud is receiving some fine orchids, among them cattleyas, Coelogyne cristata and cypripediums, which find favor with the retailers. Mr. Deamud has handled upward of 1000 cases of wild smilax this season.

Vaughan's Seed Store reports trade not so brisk as in former years at this time, due to the severe cold weather recently experienced. The employees of Vaughan's Seed Store and those at the greenhouses will bowl a series of games at La Grange on Saturday night, March 7.

Edgar Sanders continues to improve, regardless of reports to the contrary.

Visitors: John Degnan, St. Paul, Minn.; J. D. Carmody, Evansville, Ind., and Wm. Edlefsen, Milwaukee, Wis.

ROBERT JOHNSTONE.

INDEX OF ADVERTISERS

Allen J K 267
Ambacher J 253
Amling E C 269
Anderson & Christensen 251
Andorra Nurseries ..248
Aschmann G 250
Asmus E G 252
Bader J 251
Baird D 248
Baker W J 268
Bartram J H 252
Bassett & Washburn 263
Bayersdorfer H & Co 272
Beach Jas E 264
Beckert W C 247
Bentzen Floral Co..250
Berckmans P J Co..248
Berger H H & Co ..247
Bernheimer E 268
Berning H G 269
Betscher C 247
Blaauw J & Co.....248
Blue Hill Nurs 248
Bobbink & Atkins..245
Bock W A 251
Bonnot Bros 267
Boston Flower Growers' Assn 257
Boston Letter Co...270
Bradshaw & Hartman 267
Brown Bros Co.....248
Brown E C & Co. ..271
Brown P 250-53
Burpee W A & Co..247
Byer Bros 253
Caldwell, the Woodsman 266
Cal Carn Co 246
Canadian Advts ...262
Carmody J D 270
Central Mich Nurs..253
Centre Ave G'houses 266
Chicago Carn Co ...264
Chinnick W J.....249
Clinton Hill G'houses 264
Clucas & Boddington 245-57
Coldwell Lawn Mower Co 272
Conard & Jones Co..253
Connell Benj ...247-52
Cottage Gardens ..265
Cowee A 246
Cowee W J 270
Cowen's N Sons ...270
Craig R & Son 250
Crooke J J Co......266
Crowl Fern Co.....266
Cunningham J H...250
Cut Flower Ex 267
Dailledouze Bros ...265
Davis A B & Son ...247
Deamud J B 269
Deming Co 270
De Pew Bros 265
Dietsch A & Co 271
Diller Caskey & Co 271
Dillon J L 265
Dillon G'house Mfg Co 272
Dingee & Conard Co 247
Dorner F & Sons Co 263
Dreer Hy A ....246-51-[illegible]
Dumont & Co 268
East'n Chem Co ....[illegible]
Eichholz H ....[illegible]
Eisele C 272
Eisele J G 250
Elizabeth Nurs Co ..247
Elliott W & Sons ...246-72
Elliott W H 245
Emmans Geo M 251
Endtz Van Nes & Co 248
Evenden Bros .....[illegible]
Farquhar R & J Co 247
Felthousen J E 272
F & F Nurseries ...248
Fick & Faber .....[illegible]
Fillow & Banks 265
Fisher P 263
Florists' Hall Assn 270
Foley J 269
Foley Mfg Co 270
Foster L H 250
Gammage J & Sons..262
Garland G M 272
Ghormley W 267
Giblin & Co........270
Grainger R & Co....262
Grebe H 253
Greene & Underhill..263
Greenhouse Mfg Co..270
Gullett W H & Sons 252
Gunther W H 267
Guttman A J 267
Haerens Bros 250
Hammond B 270
Hammond J A 267
Harcourt's J D Son..266
Harris C A & Co...250
Heacock Jos 250
Helios Upton Co....270
Herr A M 253-65
Herr D K 253
Hermann A 272
Hesson H 263
Hews A H & Co....270
Hicks & Crawbuck..267
Hill E G Co.......252
Hilfinger Bros 270
Hill Top G'houses..250
Hippard E 272
Hitchings & Co 272
Hoffman Wm 247
Holton & Hunkel Co 269
Hoopes Bros & Thomas 252
Horan E C 267
Hort Advertiser ...266
Howard J W 266
Howe J H 266
Hughes G J 250
Hunt E H 269
Igoe Bros 266
Jackson J H 266
Jackson & Perkins Co 248-50
Jacobs S & Son ...271
Jennings E B 250
Jessamine Gardens 249
Jersey City G'houses 263
Johnson & Stokes ..247
Jones H T 248
Joosten C H 252
Kasting W F 268
Kennell J F 246
King Construction Co 272
Koster & Co 248
Kraft T 264
Kreshover L J 266
Kroeschell Bros Co 271
[illegible] M H 253
Kuhl Geo A 251
Lager & Hurrell ...250
Landreth D & Sons 247-48
Lang J 267
Langjahr A H 267
Lenker C 257
Leonhard [illegible] 263
Limbach C 270
Lindstrom J 250
Littlefield S 263
Little [illegible] Co 265
Livingston Seed Co 270
Lockland Lum Co ..271
Long D B 266
Longsdorf C L 249
Lord & Burnham Co 271
Lovett J T 248
Mader P 253
Manhattan S.. Co ..257
[illegible] 263
[illegible] W A & Sons 248
McFadden [illegible] ....[illegible]
McCarthy N F & Co 268
McKellar & Winterson 270
McManus J 267
Meyer C F 246
Michell H F 247
Moninger J C Co ...271
Moon S C 247
Moon Wm H Co 249
Moore Hentz & Nash 267
Moore W J 268
Morris J W 253
[illegible] C M 265
Mott Walter Sd Co..246
Muno J 269
Murphy Wm 263
Nat Board Trade ...270
[illegible] Plant Co...252
N Y Cut Flow Co...267
[illegible] 268
[illegible] 248
Ouwerkerk P 249
[illegible] W F 247
[illegible] S S 268
Peck J J 267
Phila Market 266
Pierce F O Co 271
Pierson F R Co 245
Pierson-Sefton Co ..272
Pinehurst Nurseries 249
Pittsburg Cut Flow Co 268
Pitzonka G 250
Pollworth C C Co..269
Quaker City Mch Co 270
Rawlings E I 253
Rawson W W & Co 246-66
Rayner Mrs S H. ..248
Raynor J I 267
Reed & Keller 270
Reid Ed 268
Reinberg George ..269
Reinberg Peter 263
Reynolds J L Co...266
Richards F W & Co 266
Riedel & Co 267
[illegible] 266
Robertson H M & Co.266
Rupp J F 266
Saltford Geo 267
Sander F & Son 250
Schmidt J C 257
Schultz F W O....246
Schultheis A 250
Scott J 248-50
Scott R & Son......252
Sheffield G'houses ..253
Shepherd Mrs T B Co 246
Sheridan W F......267
Sholl J G 264
[illegible] Bros 269
Slinn B S Jr 267
Smith C 267
Smith N & Son 264
Smith Wm C.......266
Smith W & T Co ..249
Soltau C 250
So Park Floral Co ..252
[illegible] Floral Co [illegible]
[illegible] & Johnson 247
Stearns A T Lum Co 271
Steinmetz H 253
Stern J 266
Stoothoff H A Co. 264
Storrs & Harrison Co 251
Stowe & Steele 248
Stumpp & Walter Co 246
Sutherland G A ...268
Swayne W 264
Syracuse Pottery Co 270
Taylor E J 263
Thompson J D 264
Thorburn J M & Co 247
Tobacco W & T Co 270
Traendly & Schenck 267
Utica Floral Co... 250
Vanhorne Griffin & Co 271
Vaughan's Sd Store [illegible]
Vesey W J & M S 264
Vick's Jas Sons ...247
Vincent R Jr & Son 248-49
Vreeland F D 252
Warburton C 263
[illegible]
Weber H & Sons.. 265
Webster Bros 262
Weeber & Don 247
[illegible] Bros ......[illegible]
Weston H 250
Whetstone & Co. ..270
Whilldin Pottery Co 270
Whitton & Sons. ...251
Winter Bros 264
Wittbold Geo Co ..251
Wood Bros 263
Young J 267
Young & Nugent ...267

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon .. 249-50-53-72
Achyranthes 249
Ageratum 246-49-50-51-53-63-66
Alamanda 253
Alpine Plants 248
Alternanthera 249-53
Alyssum 249-53-57
Anthemis 253
Araucaria 250-53
Asparagus ...245-46-47-49-50-51-53-63-66-72
Asters .. 247-48-50-57
Aucuba 245
Azaleas .. 245-46-48-49-50-51-62
Begonias 245-46-49-50-51-53
Berberis 248-66
Bougainvillea 250
Bulbs (not named) 247-69
Caladium 246-47-49
Campanula 248
Candytuft 257
Cannas .. 246-47-48-49-50-51-53-63-64
Carex 253
Carnations 245-46-50-51-57-63-64-65
Centaurea 246
Chrysanthemums 249-53-63-64-65
Cinerarias .. 250-51-53-57
Cinnamon Vines ...249
Citrus 248
Clematis .. 245-47-48-49-53-72
Coleus ..249-50-51-53-63
Conifers 248
Coreopsis 248
Crotons 250
Cuphea 250-63
Cut Flowers 266-67-68-69
Cycas 247
Cyclamen 253-63
Cyperus 253
Daffodils 250
Dahlias 247-48-49
Daisies .. 2[illegible]-53-57-63
Decorative Plants . 250
Delphinium 248
Deutzia 246-72
Dielytra 245-49
Dracaena 250-51-53
[illegible] 246
[illegible] 250
Evergreens 248-49
Eryngium 246
Fern Balls 245-46-51
Ferns ..250-51-52-53-62-64-66
Feverfew 253-63
[illegible] 248-50-51
[illegible] .. 249-51-53-63
[illegible] 248-49
[illegible] 245
[illegible] 250
Geraniums 249-50-51-53-63-64
Gerbera 245
[illegible] 250-51-53
Gladiolus 246-47-50
Gloxinias 245-46
Heliotrope 250-53-63
Herbaceous Plants ..248
Hollyhocks 248
Hyacinths 246-50
Hydrangeas 248-49-50-53
Impatiens 253
Ipomoea 250-63
Ivy 245-49-51-63
[illegible] 248
[illegible] 249-50
[illegible] 248
Lilies 245-46-49
Lilacs ...245-46-47-49-50
Lobelia 246
Mignonette Stocks ..245-63
Maples 248-49
Nursery Stock 246-48-49
Orange 248
Orchids 250
Palms 245-46-48-50-51-53
Pansy 250-51-53-66
Pelargonium 264
Peonies 245-48-49
Petunia 246-49-50-51
Phlox 248-49
Pilea 250
Pinks, Hardy 253
Primula ..249-50-66-72
Privet 248
Pteris 246
Pyrethrum 246
Rhododendron .245-48-49
Roses ..245-46-48-49-52-63-64-65
Salvia 249-50-53-63
Seaforthia 246
Sedum 249
Seeds (not named) 246-47-62-69
Selaginella 253
Shamrock 266
Shrubs 248-49
Small Fruits 248-49
Smilax 246-49-63-66
Spiræa .. 245-46-49-50-62
Stevia 253
Strobilanthes 250
Swainsona 249-50-53
Sweet William 248
Trees 247-48-49-57
Tuberoses 246
Tulips 250
Vegetables 247-48
Verbena 246-49-50-53-57-63-65
Vincas 246-49-50-51-53-64
Yucca 249

MISCELLANEOUS

Auctioneers 268-72
Boilers 270-71-72
Books 250-68
Business Opps 257
Collections 270
Cut Flower Boxes 270
Decorative Greenery 266
Designs 268-69-72
Fertilizers 266
Fittings 271
Florists' Letters 268-70
Florists' Supplies 266-68-69-70-72
Flower Pots, etc. 268-70
Flower Show 257
For Sale 257
Galax 266
Glass 270-71
Glazing Points 270
Greenhouse Bldg 271-72
Gutters 271-72
Insecticides 247-70
Lawn Mowers 272
Lumber 270-71-72
Mastica 271
Mushroom Spawn . 247
Newspaper 266
Painters' Supplies...270
Pipes, Joints and Valves 270
Printing 266
Putty 270
Sash 270-71-72
Sprayers 270-71
Stakes & Supports 266
Thermometers 270
Tile 266-72
Tinfoil 266
Toothpicks 270
Ventilators .. 270-71-72
Wants 257
Wax Flowers & Designs 268

CARNATIONS

Seedling Carnations.

A great number of florists, who have made the raising of carnations their specialty, have now a bench, or at least a part of their bench-room, devoted to the growing of their own seedlings; and I know of several who started the work this season, also determined to try their luck. This work, which might more aptly be termed a pastime, breaks pleasantly into the dry routine of carnation growing, adding a feature of rare interest, heightened by that peculiar charm inseparable from playing at a game of chance. If seedlings are grown merely with the expectation of carrying off a first prize or of possibly producing a flower excelling others now existing, this undertaking is subject to great disappointment. To aim at great achievements in that direction is certainly laudable, but it should not be the only object in view.

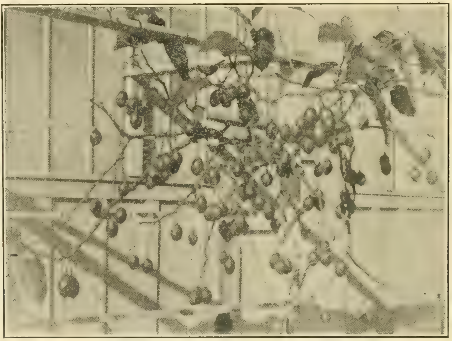
The raising of seedlings every year, instead of being only a pleasant biplay, could be made to be one of the most important branches of carnation culture. By the judicious expenditure of a little money at the start and the subsequent exertion of a fair intelligence, every grower would produce his own new carnations, and by careful selection from year to year would be enabled to gradually discard his emaciated, unproductive old kinds and in their place stock his greenhouses with new, vigorous and floriferous plants of his own raising, naturally adapted to his soil and locality, and the requirements of which he would be thoroughly acquainted with. Seedling raising, regarded in this light and systematically carried on with this end in view, would become a side line of practical value, and this additional interest would not impair its original character as a venture full of fascination and grand possibilities.

Wide-awake growers are now well aware that an annual addition of new kinds to their old stand-bys has become a necessity; they have learned by this time that either high priced novelties must be tried, or, if their business did not warrant an outlay like that every year they would be at last compelled to discontinue carnation growing entirely. Then why not raise your own seedlings? Invest in a moderate way in such of the novelties as you believe to be better than your own stock, or which, by reason of their greater vigor, size and variety of color, could be used to advantage in the process of crossing, thus enabling the beginner to start right.

In the case of carnations it is not difficult to raise new varieties, and what is more to the point, it is not at all difficult to raise good ones always better at any rate than those grown in the same place that gave birth to the new set, and fully as good as many of those offered for sale by other growers. But, as I have pointed out, a few of the newer kinds, not strictly first-year novelties should occasionally be bought in order to obtain new material as a basis for cross-fertilization, especially if those on one's own place, on account of color or defective constitution prove to be undesirable for that purpose.

The first step toward the attainment of so noble an object is of the greatest importance and is really the only act in the whole performance which calls out some experience and unerring judgment. Whether our exertions are followed by success or failure, total or partial, depends almost entirely on the selection of the flowers designed to become the parents of the new offspring. Never, in any case, should inferior flowers be chosen, even if an excuse were offered in the circumstance, that the flower, originally selected to furnish the pollen, was not quite ready to yield it, while the other was waiting to receive it, and so the pollen from any flower ready and handy was taken, so as not to delay the operation.

It is my belief that the frequent failures in this line of work, as well as the over-abundance of poor and unreliable novelties, are due to the unrestrained impatience and indiscrimination on the part of careless practitioners. Of course, it would seem that the large grower, specially he who has made it a business to raise seedlings by the many thousands, had an advantage in this respect over the smaller one, inasmuch as he has a greater number of first grade flowers and colors to choose from; but this advantage is one only with respect to number of seedlings to be raised. As regards quality, the smaller grower may look for as great a percentage of high grade blooms as the final result of his labors, as the other, by practicing a little more patience, abiding his time and utilizing the right moment.



BRANCH OF TREE TOMATO IN FRUIT.
Courtesy of Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.

Just which flowers to select and how to avoid mismating is not hard to learn, but difficult to teach, and rules based on the laws of nature and one time considered by some as absolutely necessary to be observed and requisite for insuring best results, have been found to be like many other rules unreliable and therefore subject to modification by later experience. In crossing carnations the pollen should be taken from flowers that are perfect as to calyx and corolla—this includes form and substance. These flowers should be on a strong, stiff stem, carried upright without being tied up in that position, and this stem should not be any longer than twenty inches from the heart of the plant and its joints (internodes) should not exceed three inches in length; and finally the plant should be healthy, vigorous, with numerous short, stubby, thick side shoots. These are the points of importance to be considered first in selecting a pollen parent. It is a great mistake to select those flowers that furnish the most pollen. Bursters shed it in greatest abundance—a stem, longer than 24 inches, surmounted by a split calyx, that is spilling its contents all on one side, exposing a center all yellow with pollen-covered anthers, is a flag of distress, displayed by a plant, fast sinking. The flower to be chosen for the seed-bearer should also be a fine bloom on a good plant, but it is not essential in its selection to strive for the ideal, as long as its reproductive organs are conspicuous, the pistil stout, not high, but spreading to a considerable length, appearing like a pair of well-set horns. The stamens of this flower are cut away as soon as it opens, together with some of the inner petals, to facilitate the manipulation of fertilizing the pistil. This should be done when both the flowers are "ripe" or in right condition, which can easily be seen. And, if possible, this operation should be performed on a sunny, clear day in the forenoon.

The pollen may be transmitted by using a piece of glass or wood, or, which is still better, a small camel's hair brush, and dropped or spread over the upper surface (stigma) of the pistil. Or the male flower may be cut and by shaking it over the other, the same end is attained, though some of the pollen is wasted in that way. Should the female flower not be in right condition, while the other is, the pollen may be gathered on a piece of glass, and if kept dry, it will retain its vitality for weeks.

Several female flowers may be fertilized with the pollen from one male, but a female ought not to be receiving the pollen from several male flowers; and the greater the difference between the two, the better results may at all times be expected, while the crossing between two or one and the same variety (inbreeding) should be avoided. (The words staminate and pistillate, or male and female, used when speaking about cross-fertilization of carnations, are botanically incorrect, but they are handy and have therefore been employed by all growers as technical terms, just as hybridization, which is also out of place in this case.)

The flower designed to bear the seed will, after receiving the pollen, soon indicate by wilting, whether the operation was successful or not; in the latter case, it must be repeated, until it has "taken," and fructification, so far assisted by human ingenuity, is now left for its completion to nature alone, and from now on the course of the experimenter follows a smooth and even road.

Keeping an accurate record of parentage is not at all necessary, and would only prove desirable and of value in case it was found that the crossing of certain varieties was followed by extraordinary results, which process could then be repeated and followed up. Otherwise, this laborious and troublesome work is useless. Extra good stock is all that is wanted; whether we are posted as to the exact pedigree of the different kinds or not is immaterial.

The seeds should be allowed to get thoroughly ripe; this will take about from two to three months, according to the condition of plants, locality and weather. They ripen quicker in a bright season, but are not any better on that account. If, after they are ripe, they are left too long on the plant, they will germinate there and spoil, especially if the house is kept very moist. When the pod surrounding and containing the seeds begins to look light brown or leathery and feels dry it should be cut off and the seeds sown at once into ordinary good soil and treated in all respects the same as the seeds of other common plants; nor does the subsequent mode of culture differ in any way from that employed in the growing of other plants. The seedlings are either pricked off into flats, or potted up into two or two and one-half inch pots; the very early sown getting a shift into larger pots before Spring. They all should be cut back once before planting out in the field.

As soon as the condition of the soil and the weather permits, they should then be planted out. They can go out much earlier than carnations that are raised from cuttings, being much hardier and not easily damaged by frosts in early Spring. Most of them will flower sooner or later in the field. They should then be often gone over and examined. Good flowers are marked or labeled, or a number is given corresponding to the number in your memorandum book, with a brief description of that flower. Poor plants, including those diseased, single flowering and those of feeble, sickly growth, are thrown out, and the remainder planted into the greenhouse in September, some as late as October. The soil to be used in the benches ought not to be very rich; good earth, fresh and sweet, is all they want, with an addition of a little sand, if your soil is too heavy.

Some growers keep their seedlings in pots the first year, shifting them several times into pots a size larger whenever necessary, and keeping them in frames outside, at the same time pinching out every bud as soon as it shows. By the middle of August they will be in four or five-inch pots, and they are now planted out of these into the greenhouse bench. A lot of smaller ones, or those sown late, are kept in pots, as a reserve to take the place of the single-flowering and worthless plants, which from time to time will have to be thrown out of the bench as soon as discovered.

I myself prefer the latter course. Of course, by adopting the former method the field culture we need not house any bad or inferior plants, but many of these plants, proving useless outside might have made good inside stock' and a good many of those showing a fine flower out in the field often prove great bursters, or "rogues,' inside. By keeping them in pots and not allowing them to bloom until they are firmly established in the bench, we have to handle several times plants which are eventually thrown away, that is true, but we are enabled to judge the others more correctly—those of real importance. This advantage offers sufficient compensation for the loss of time sustained by the repeated handling of worthless plants, which generally amount to about one-third of the entire lot. I do not mean to say, however, that the rest of them, or the other two-thirds, would all be grand bonanzas; no, not likely; but some of them will be extra good, others good enough to take cuttings from and work up a stock, as will be done with the extra good, and the remainder of them will not be bad, and will furnish flowers for the store in abundance until they are thrown out next season, when their usefulness will have come to an end.

FRED. W. TIMME.

Tree Tomato.

Editor Florists' Exchange:

I note an inquiry of late regarding the tree tomato and a lack of information on the subject. I have grown it for several years and have always felt it had a future in California as a fruit for shipping. It is a handsome ornamental tree, the fruit attractive and delicious in flavor, useful in various ways. The plant comes into bearing at the holidays, when other fruit is scarce, and as it ships perfectly long distances it is destined to have a great commercial value. It is very little known yet even in California; people are so fearful about going into a new thing that they always wait for some enterprising person to pioneer it first and make some money and then everyone goes into it, too.

I send a photograph of a branch of Solanum betaceum in fruit, which perhaps you would like to illustrate.

THEODOSIA B. SHEPHERD.

Citrus Trifoliata as a Hedge Plant.

Editor Florists' Exchange:

All that Mr. Joseph Meehan says in your issue of February 14 about the desirability, hardiness, etc., of Citrus trifoliata as a plant for hedges of a defensive nature is true. There is not the least doubt that for all localities where it will endure the Winters there is no other plant which will make a hedge that is at the same time so defensive, so ornamental, so easily cared for and so devoid of undesirable features. These are strong claims to make for any one plant, but they have all been abundantly substantiated in the many years in which this plant has been growing and under observation in this country.

Wherever a defensive hedge is wanted in the Middle, Southern, lower Western and Southwestern States this hardy Japanese citrus should be given a trial. It should prove just the plant which J. H. Crane, of Tennessee (vide page 6, issue of January 3), wishes to enclose his vegetable and fruit garden. For several years past it has been recommended for hedges in the sections named, but it is evidently difficult to convince people that an orange (or lemon, as some botanists class it a limonia) can possibly be hardy outside of tropical or semi-tropical regions. But this plant has been growing and ripening its fruits for many years now in the open ground in Fairmount Park, Philadelphia, and longer yet in the grounds of the Agricultural Department at Washington. I saw the Washington plants in the Spring of 1899, after the fearful blizzard and intense cold of the preceding February, and they were absolutely unharmed in any particular.

Some years ago Professor W. F. Massey, of the North Carolina College of Agriculture, wrote in Orchard and Garden: "We have no doubt that the hedge plant of all others for all parts of this country has at last been found; and its adoption can only be a question of time. . . . This plant is a true orange. Don't start and say nonsense, and that no orange can be hardy enough for this purpose, for this question has been settled. The plant I refer to is the Citrus trifoliata, called by some Limonia trifoliata. . . . The writer planted thirteen of these trees in the hills of Northern Maryland, in the Spring of 1880, in a locality nearly 800 feet above tide-water, but in a valley where frosts lay heavily. The following Winter these little plants, which were seedlings out of four-inch pots, and had made long sappy shoots late in the Autumn, which were unripe when Winter set in, were exposed to a temperature of 18 degrees below zero and 4 degrees below at noon, with a bright sunshine and no snow on the ground. They were entirely unprotected during the whole of this spell, the coldest I ever knew, but were not injured in the least. These trees have never been protected and are now in full bearing."

And many years ago Dr. G. Devron, of New Orleans, wrote in the Southern Horticultural Journal: "Having been one of the first to cultivate the Citrus trifoliata in the open ground in the United States, and perhaps the first to see it bloom and produce fruit in this country, I must say that I know of no variety of the citrus family that can be more neglected, more exposed to the extremes of temperature, or to excess of moisture and dryness, with so much impunity. In seventeen years that I have had this citrus under observation I never found an injurious insect on the tree or its leaves, flowers or fruit. The tree in Louisiana grows to the height of ten or twelve feet, with numerous straight, stout and very sharp thorns (a good substitute for our barbed wire)."

Recently in going over my files of Garden and Forest I found in the issue of October 30, 1895, the following note on Citrus trifoliata from the State Experiment Station, Geneva, N. Y.: "While this member of the orange family has not come up to the expectations of some growers as a hedge plant for the North and West, yet it is of interest to note that a plant received at this station in 1892 is still alive, though it has had no protection. It makes a sturdy growth each season of about three feet, which is as regularly killed back to the snow-line in Winter."

A note addressed to the station asking for a further history of the subject elicited the information "that the shrub in question killed to the snow line each Winter, and after living this way for a few years was finally dug out." This proves very conclusively that while this shrub is perfectly hardy at Philadelphia (and doubtless farther north in the vicinity of the coast), Geneva is above its latitude of successful culture without protection in Winter. It is to be regretted that the station did not try the experiment of bending down, or in some other way protecting the shrub for two or three Winters to determine whether the wood of that age would not have proved capable of withstanding the cold.

As to its qualities for hedge purposes Professor Massey, in the article already quoted from, said: "Its advantages as a hedge plant are its natural dense habit of growth and the abundance of its sharp thorns. It is naturally a dwarf tree and will need but little trimming to keep it within bounds. It will never become a nuisance, like the so-called Osage orange or Maclura, by sprouting from the roots. . . . Every branch and twig is of a bright, glossy green, and in Summer and Winter it will make the most ornamental of hedges. . . . We hail it as the most promising plant yet found to take the place of the miserable Osage orange and give us a real defensive hedge without plashing or tying to 'patented' wires, and at the same time a most ornamental fruit-producing hedge."

I believe there is a hedge of this plant a half a mile or more long on the property of the Fruitland Nurseries, in Northeastern Georgia, and the Jessamine Gardens, at Jessamine, Pasco County, Florida, have one a quarter of a mile long that is being trained into the most defensive barrier of anything I ever saw in the line of a hedge. In the Spring, just as the long, slender, whip-like shoots of the preceding season show signs of breaking into growth, they are bent over to the right and the left and interwoven with the shoots from the adjoining plants. These horizontally entwined shoots send up a crop of perpendicular shoots which are, in their turn, the following Spring, bent down and intertwined; and as the weaving process was begun at an early date and started close down to the surface of the ground a spiny wall is being raised which will turn even the famed "razor-back" hog of the South, to which the barbed-wire fence is merely an agreeable irritant. Mr. Meehan says: "I do not think any animal would go through a mature hedge of it." I do not think any animal—not even an elephant—could go through a hedge of it, trained as is the one in question.

When used for hedging purposes the plants are usually set from 18 to 24 inches apart in a single row, and the first Fall after growth ceases the plants cut back to a uniform height of one foot, the next Fall to two feet, and so on until four feet high. But it would certainly seem worth while to practice the interweaving, instead of pruning, for the first two or three years at least. The shoots are very pliable at the proper time, and if the hands are protected by leather gloves, or mittens, very little discomfort need be experienced with the thorns. In good soil, an impenetrable hedge can be grown in three years from planting; and but little trimming or training is required after the third year. Its growth is mostly upright, spreading out but little, and the sides form remarkably even walls without any trimming whatever. Such a hedge is an ornamental object at all times, whether in Spring while covered with its myriads of white flowers, in Midsummer in its darkest green robes of clover shaped leaves, in Fall laden with small yellow fruit, or during the Winter months when every branch and twig is a bright glossy green. Even at the North the plant will, during some seasons, bear two crops of flowers, the first in Spring and the second along about August.

The statement has been made and printed that this plant was first introduced into Louisiana and from there to the Government Gardens at Washington; but Meehans' Monthly for July, 1893, contained the following interesting note on its introduction, from Mr. W. Saunders, of the United States Department of Agriculture: "In the Spring of 1869 the Department of Agriculture received an invoice of orange trees from Japan. In crossing the Rocky Mountains they encountered severe weather, and reached here a solid mass of ice. They looked bad. After unpacking them they were placed under a greenhouse staging where they would recuperate if any life was left in them. Very few of the tops recovered, but the stocks upon which they had been worked budded forth in profusion. These growths puzzled us for some time; they did not show much externally to class them with the citrus family. After a time a drawing and description of the plant was found in an old botanical work, where it was named Citrus trifoliata. Linn. Supposing that this might prove to be a superior stock for oranges, an order was sent to Japan for a quantity of seed. This order was duly filled and from it several thousands of plants were produced, and for several years these were used as stocks for budding oranges of different varieties. . . . Some plants of Citrus trifoliata having been planted in the shrubbery border, proved them to be perfectly hardy in this climate, and their growth indicated a remarkable adaptability as a hedge plant. For the purpose of introducing it as such, further orders were placed for seed from which many plants have been produced and distributed for trial as a hedge plant. In climates where it will stand I do not know of a more formidable plant for strong hedges for live stock inclosures."

This plant is offered in the advertising columns of The Florists' Exchange at prices so low as to admit of its being widely employed for hedging purposes wherever it has or will prove hardy, and so distinctive and ornamental is it that at least one specimen should be included in every collection of shrubs even in localities where the Winters are so severe as to necessitate its protection.

OBSERVER.

VIEW OF KELLER & CO.'S STORE, PROVIDENCE, R. I.

Philadelphia.

Florists' Club Meeting.

There was a large attendance at the meeting on Tuesday last. Several who were at the Carnation Society's convention gave brief accounts of the exhibits of new varieties, all agreeing that the exhibition was a good one and that giving free admission to the public was certain to result in good to growers and dealers of carnations. Robert Craig said he wished that as much interest could be infused into the Rose Society, but this was difficult; as while five or six new carnations were brought out each year that were considered better than existing varieties, only one new rose that excelled present ones came along in probably eight or ten years.

Arrangements were made to hold a banquet in the club room on Wednesday, March 25, to entertain members of the trade visiting the rose show.

At the April meeting F. Greensmith, who has charge of the herbaceous plant department at the Riverton nurseries of H. A. Dreer, Inc., will read a paper on "Some Useful, But Little Known Plants." At the May meeting Walter Whetstone, of Whetstone & Co., Inc., will give a paper on "The Iron Pipe Question." As this firm guarantees to supply wrought-iron pipe, something of interest may be expected.

In Common Pleas Court No. 1 this week, Judge Bregy presiding, the jury awarded Mrs. Ruth Standen $10,000 damages, and her husband, Henry S. Standen, $12,125, against the Pennsylvania Railroad Company for personal injuries sustained by the wife on August 3, 1901. While Mrs. Standen was in the act of alighting from a train at Haverford, it was testified, it started and threw her from the rear steps of the last car to the station platform. Her spine was so badly injured that she is now a hopeless paralytic. She has lost the use of her senses and is unable to arise from her bed. It was proven that she had been of great assistance to her husband in his business of florist. She was very expert in that line, and her husband said that he could not get any one to replace her. It was for this reason that the husband demanded ample damages for being deprived of his wife's services in addition to claiming reimbursement for the expense he had been put to and is at present undergoing in procuring constant medical attention for her.

The trial was conducted by Attorneys Alfred D. Wiley and Frank S. Elliot, on behalf of the plaintiffs and by Bispham & Barnes for the defendant railroad. The jury was out deliberating upon the verdict for eight hours. The husband's verdict is one of the largest of its kind ever recorded in the local courts.

Devoe B. Edwards, of Atlantic City, was in town this week and reports having had a very good Winter business—much better than usual—and is now doing a very large Lenten trade.

Two rose growers are heard of who will not plant as many American Beauty next season.

John Welsh Young will build two houses this season, each 22x100 feet.

Captain George Moss will take a bowling team to Baltimore on Monday next to roll three games with the florists of that city, returning for the annual dinner of the local club. They leave Broad street station at 10.12 a.m.

DAVID RUST.

Fumigating Kind TOBACCO POWDER

KILLS ALL APHIS IN ONE NIGHT.

[illegible]

[illegible] THE H. A. STOOTHOFF CO., 116, 117, 118 West St., N. Y. City.

Mention the Florists' Exchange when writing.

Boston.

The News.

Business during the first week of Lent was fully as dull as expected, both in cut flowers and plants. There is little going on at the retail stores except funeral work; very few outside decorations of any sort.

Beginning Monday, March 9, Welch Bros. have arranged to open their store at 6 a.m. to accommodate the large number of out-of-town buyers who come to the city on early trains for their supplies of flowers.

Among the Growers.

On my first visit to the new house of J. C. E. Dickerman on Mill street, at Harrison Square, Dorchester, I was most agreeably surprised in the first place by the magnificent house and, secondly, by the fine appearance of the carnations at an establishment in operation less than a year. The house is a model of construction, erected by Hitchings & Co. It is 160x60 feet, even span, glazed with 16x24 glass and heated by two Weathered boilers. There are six benches and seven walks, thus giving walks along either side. The peculiar feature of the house is its extraordinary height at the center, a feature which many claimed would be detrimental to the success of the crops, but a visit to the place will convince anyone that such is not the case, when such stock as Mr. Dickerman is turning out and has turned out right along is considered. The house is planted to many of the leading varieties of recent introduction, but Cressbrook is the favorite of which there are two thousand plants grown to perfection and from which the bunch which captured the Warburton prize at Brooklyn was cut. The variety stands up just as well as Lawson on the next bench, is much more prolific and throws flowers of almost equal size. These two varieties suffice for dark pink. For light pink, Fair Maid and Morning Glory are sucessfully grown, and in white Ward's Flora Hill sport, Lorna and Queen Louise, with the latter variety giving most satisfaction. Governor Roosevelt and General Maceo for dark red are doing well, while for scarlet Apollo is considered far superior to either of the other reds, J. H. Manley, G. H. Crane or Mrs. Potter Palmer. There are also small batches of Gaiety, Viola Allen and Admiral Cervera for variegated varieties.

Mr. Palmer, the grower, tells us that he is receving many orders for rooted cuttings, especially for Cressbrook.

On the same day I dropped in at Whitten's on Center street to see the lilies which are coming along nicely for Easter. Patrick Boyle, manager, says that he noticed very little disease this year, but many of the plants are very short and stocky. The foliage, however, is very clean and perfect, and the buds are showing up well. The rose houses are about off crop now, but there is prospect of a good cut at Easter, especially of Bride. Next season Mr. Boyle is to substitute carnations for one of the houses of roses, and has secured a nice lot of young stock of very good varieties.

At L. H. Foster's all are busy with orders for the new fern Anna Foster, which looks more beautiful now than at any time before that I have seen it. An immense stock has been worked up, and it is selling very fast.

The A. T. Stearns Lumber Co. informs us that the concern is figuring and estimating on an exceptionally large lot of building for the coming season, and is now beginning to ship materials. The firm is preparing a catalogue of the hundred and thirty-nine new houses supplied by it last season, with cuts of nearly all of them, which catalogue will soon be sent out.

W. A. Manda returned this week for another day or two in the city, leaving for home Tuesday. F. J. NORTON.

PORTSMOUTH, N. H.—E. T. Schurman has sold his seed and agricultural store on Market street to his brother, Arthur W. Schurman, who will take personal charge of the same. The former will move his family to Concord, where he will make his future home.

YPSILANTI, MICH.—Mr. [illegible], the florist of S. Washington street, has sold his greenhouse to Mr. Norton, of Lowell street.

Canadian News

Hamilton.

Club Meeting.

The regular meeting of the Gardeners and Florists' Club was held on the 3d inst. A special effort was made to secure a large gathering of growers, whether members of the club or not, and those who are not members were specially invited to attend to see about taking some action as an organization toward the bettering of prices. The attendance was disappointing; some of the men whose business interests would be best served by better prices did not show up. After a preliminary discussion it was decided to lay out a scale of prices to which all club members would be asked to adhere, and outsiders would be requested to do the same, as it was believed that business interests would secure the co-operation of those not now members of the club. A beginning was made on the scale of prices, and R. Potter, E. J. Townsend and J. W. Fox were nominated as a committee to finish it, and present it at the next meeting, when the matter will be finally disposed of.

Among the various arguments presented for a rise in prices were the following: The increased cost of glass, lumber, pipes and fittings, pots, coal, labor, and even the cost of drawing potting soil. It was also pointed out that those who employed help, both florists and gardeners, required better prices to enable them to pay their help better wages, it being claimed that gardeners in this city are paid less than ordinary laborers.

The officers and interested members of the club are displaying commendable zeal in their efforts to make the club of material assistance to the trade of this city. It is certain that if the present course is pursued outstanding men will come in one by one and join hands with the club. By the way, what was it that Josh Billings said: "My son observe the postage stamp; its usefulness depends on its ability to stick to one thing until it gets there." Every one can note it down that the club is still in business, and is here to stay.

News Items.

There has lately been a combine of the local pot manufacturers, and a rise in prices is the result; it was needed, too, I should judge, as some low figures have prevailed.

The weather is mild and Spring-like. The first robin was seen weeks ago; we are getting to think that they must stay around all Winter now.

R. Potter is getting grand crops of carnations.

Fred Foster, Jr., is railroading again. BEAVER.

Montreal.

Club Notes.

Every chair in the club room was occupied Monday night and many had to find substitutes. There could not have been less than fifty members present. To find the equal of the last few meetings, it is necessary to go back ten to fifteen years when the club was on its first wave of prosperity. There were other attractions than papers and question boxes at those meetings. Few of the older members forget the hornpipe danced by Mr. Bland when the waitress deposited a plate of hot soup between his neck and his shirt collar, and he refused to listen to President Doyle, who explained how thankful he ought to be that his clothes weren't spoiled. If these big meetings are to be sustained it is up to the executive to hustle. No doubt the members, many of them, went expecting to see the advertised carnation exhibition, but that like the chrysanthemum show prize list we amended at the last meeting, was not in evidence. It would be most unfair to ignore the fine exhibits of local flowers by Hall & Robinson, P. McKenna & Son and Wilshire Bros.; but local flowers are not what the members went to see. We can readily understand the committee could do nothing in regard to the parties who made no answers to the request of the club for exhibits, but we can't help thinking a telegram at the last moment would have refreshed the memory of the growers who promised exhibits and then did not send them. In reference to the local exhibits a considerable amount of information was gained. Mr. Robinson reported that with him Mrs. E. A. Nelson, is strong, free and satisfactory. Cressbrook is a good thing and will improve on further trial. J. H. Manley has a very poor color. Estelle is the best scarlet grown locally—not only is it a true scarlet, but it is a very free bloomer, its only fault being that it made so few cuttings. The flowers of Jubilee shown were as good as ever; but, unfortunately, this grand variety is rapidly deteriorating. Mrs. Lawson was unanimously conceded to be the peer in its class. Prosperity, as far as grown, is a commercial failure; it is altogether too shy a bloomer. Glacier is without question the most free blooming white and the best all-round carnation grown here to-day. Mr. Robinson said that their cut from Glacier was just three times as large as from any other variety they grow.

In addition to a general collection of splendid carnations, P. McKenna & Son had a bunch of Blanche Ferry sweet peas, grown on the single stem system; these were simply grand. The colors were bright and clean, with an average of four flowers on each spike; the stems were over a foot in length and as rigid as wire.

Among other things Wilshire Bros. had a vase of Murillo tulips. These, fine as they were, are said to be surpassed by Salvator Rosa.

The Windsor Hall was ordered engaged for the chrysanthemum show, and the prize list will be in the hands of the members and any other party who wishes to have it, in a day or two.

J. P. D'Arcy, manager of the Eastern Township Nursery Company, read a paper on "Flowering Shrubs." Only a few varieties were taken up, the others being left for a second paper.

Four members were elected: Mr. Putress, Point Claire; D. A. Wright, Drummond street, city; A. H. Walker and J. Keen, Verdun.

The report of the committee on a more suitable hall for the club meetings was referred back for further report. B.

THE MARKET

LONDON, ONT.—Bride and Bridesmaid, $6.00 to $12.00; Golden Gate, $6.00 to $12.00; Meteor, $6.00 to $12.00. Carnations, inferior grades, all colors, $2.00; standard varieties, $3.00 to $4.00; daffodils, $3.00; hyacinths, $3.00; lily of the valley, $3.00; tulips, $3.00; violets, 75c. Roses are coming in more plentifully, and the quality is improving; the supply is not equal to the demand. Carnations are still in very short supply, white being at a premium. Daffodils and tulips are plentiful, with good demand. Violets are more abundant, the demand dropping off. With the bright weather there is an increased call for flowering plants, azaleas, Primula obconica and bulbous stock moving as fast as it comes in. G.

TORONTO.—With the beginning of last week, business took a turn, and, excepting some small orders and a little funeral work, the latter part of the week was very dull, with stock of nearly all kinds very plentiful. On Saturday there was a regular glut. Our principal streets were almost like a flower show. All the leading provision stores have gone into the flower business, and all appear to be able to get any quantity of stock. Bulbous flowers are still very abundant. It is almost impossible to quote prices. Several stores were selling good tulips last Saturday at 25c. per dozen. Carnations and violets were also very cheap. Roses are yet rather scarce, but there is not a very great demand for them at the prices they are held at. The bright weather will likely bring them in plentifully.

Plants are being sold more freely, but prices are generally low, and one wonders how the plantsmen expect to pay for their coal. The weather has been fine; we have had some sun and not much frost.

A small army of Dutch travelers was in the city last week, all having something cheaper and better than any of the others. T. M.

OTTAWA.—Cold nights and bright, sunny days give all stock a good appearance. Bulbous flowers are plentiful, of fine quality, and sell well. Roses and carnations are not up to the demand. Trade has been very good.

The plant business is beginning to feel "Spring," and a little movement in flowering stock is noticeable.

Easter stock is looking well, although the bright days cause the florist some little anxiety, especially with regard to azaleas. Niobe, the standby in white, seems as if it will not be kept back. Lilies are also full early.

This week some of us hope to visit Toronto and see the newest in carnations. E.

MONTREAL.—With the advent of Lent trade keeps normal. The decrease in the number of large affairs is counterbalanced by the increase at small parties. Flowers continue scarce, carnations more so than roses; which, by the way, have at last fallen to 12c. Violets are plentiful and good, but the demand is still below the average of former years. In quality the general run of stock is about the average; no very high class material is to be seen.

Flowering plants are not at all plentiful, in fact, thoroughly good ones are very scarce and several of the stores look rather bare. Easter stock is coming along slowly, and even with the comparatively late date of Easter this year there is to be a shortage. Lilies will be scarce, at least good ones will. The Bermuda stock that looked so promising in the early part of the season is rapidly deteriorating, and a modest estimate of some of the best-looking lots would be 50 per cent. of the plants so badly diseased as to be useless. Crimson Rambler roses will also be scarce.

A nice comparison between plants grown during the Summer in pots and those planted in the field for forcing for Easter can be seen at one place here. The two lots were treated identically, but the field-grown plants are immeasurably superior. While the pot-grown plants average about four spikes of flower to a 5-inch pot, the field-grown plants, in 6½-inch pots, will run 8 to 12, and the trusses far larger. Spiræas will be scarcer this year, not because fewer are grown, but a considerable percentage failed to start properly. Azaleas will be in short supply; this will not be noticed, as they are plants very little in demand here at Easter.

The weather keeps very cold, indeed; zero readings are of frequent occurrence, and at present there is little indication of any change. B.

LOSSES BY FIRE.

SOUTHINGTON, CONN.—William Curtis' greenhouses at Plantsville, Conn., were gutted by fire, which started from an unknown cause, February 21. The damage is estimated at over $2,000, partially covered by insurance.

GREENVILLE, O.—Emanuel Beuchy, the nurseryman, whose stable was recently destroyed by fire, places his loss at between $300 and $400. This includes several tons of hay and fodder destroyed.

NEW CROP FLORISTS' SEED

All the leading varieties for present sowing. We give you the largest trade packets going, and guarantee the seed fresh and of the highest quality.

Our own specialties are well known. **Aster, Cyclamen, Cineraria, Centaurea, Mignonette, Nasturtium, Pansy, Petunia, Stock,** and **Verbena.** Send at once for new Catalogue.

E. GRAINGER & CO., 12 Yonge St. Arcade,
Conservatories, Deer Park. Toronto, Ont.

The Pierson Fern

By the dozen, hundred or thousand at introducer's prices.

Buy in Canada and save the duty.

Write for Wholesale List if not to hand.

Webster Bros., Plantsmen. Hamilton, Canada

FLOWERING PLANTS

For Easter

Now is a good time to buy

Azaleas, Spiræas, Etc.

They ship better than when in full bloom.

J. GAMMAGE & SONS
LONDON, ONTARIO

Mention the Florists' Exchange when writing.

The Special Spring Trade Edition
of the
FLORISTS' EXCHANGE
will be issued
MARCH 28.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

entlon the Florists' Exchange when writing.

ARNATIONS Rooted Cuttings

	Per 100
Irs. Lawson	$3.00
oodenough	2.50
en. Maceo	1.50
Irs. Joost	1.50

SIDNEY LITTLEFIELD

North Abington, Mass.

entlon the Florists' Exchange when writing.

	Per 100
IGER, 2½ inch pots or sand	$10.00
Unrooted cuttings	5.00
NCHANTRESS, 2 inch pot	12.00
RS. LAWSON, sand or soil	2.00

H. EICHHOLZ,

Vaynesboro, - - Pa.

entlon the Florists' Exchange when writing.

ARNATIONS

ROOTED CUTTINGS.

	Per 100
ella, Fenn	$4 00
almer, Cressbrook, Challenger, Oriole	3 00
ueen Louise, Hoosier Maid, Norway	2 00
oodenough, Gen. Maceo	1 50

HENRY HESSION

larkson and E. 48th Sts., Flatbush, Brooklyn, N.Y

entlon the Florists' Exchange when writing.

ARNATIONS

MURPHY'S WHITE.

If you want a commercial white try it. Rooted uttings, immediate delivery, $6.00 per 100; $50.00 r 1000. Satisfaction guaranteed or money funded.

/M. MURPHY, 180 E. 3d Street, **Cincinnati, Ohio.**

entlon the Florists' Exchange when writing.

Carnations

Rooted Cuttings

	100		100
loriana	$3.00	Eldorado	$1.00
en. Maceo	1.50	Genevieve Lord	1.00
orning Glory	1.50		

EWETT CITY GREENHOUSES,

Jewett City, CONN.

entlon the Florists' Exchange when writing.

TWO GRAND WHITE

ARNATIONS

"GOV. WOLCOTT" and "BOSTON MARKET."

Both originated by me from same seed pod. he **Former**, sent out Spring of 1902, has proved **ithout an Equal as a High-grade Comercial Variety.** **The Latter**, sent out in 1901 limited quantity, is to-day **The Standard** every- commercial **White on the Boston Market.** marvel for early, free, and continuous blooming. oth are in perfect health.

	Per 100	Per 1000
"WOLCOTT"	$5.00	$45.00
"BOSTON MARKET"	5.00	40.00

th will be on Exhibition at Brooklyn, February 19 and 20.

ETER FISHER, Ellis, Mass.

entlon the Florists' Exchange when writing.

ARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows ality of our stock.

	Per 100	Per 1000
rosperity	$3 50	$30 00
oosevelt	3 00	25 00
ressbrook	3 50	30 00
rs. Bradt	4 00	35 00
rs. Lawson	4 00	35 00
olden Beauty	4 00	35 00
. H. Crane	2 50	20 00
aybreak	1 00	10 00
en. Gomez	1 50	15 00
en. Maceo	1 50	15 00
e Marquis	1 50	12 50
hite Cloud	1 50	12 50
lora Hill	1 50	12 50
ueen Louise	3 00	25 00
enevieve Lord	1 50	12 50
ames Dean	1 50	12 50
rs. Joost	1 50	12 50
dorado	1 00	8 00
m. Scott	1 00	8 00
orway	2 00	15 00
oriana	3 00	25 00

DW. J. TAYLOR, Southport, Conn.

ntion the Florists' Exchange when writing.

CARNATIONS A No. 1 Rooted Cuttings ready

	Per 100
10,000 Wm. Scott	$5.00
5,000 Daybreak	5.00
5,000 G. H. Crane	8.00

Healthy sound stock.

Cash with order.

E. C. MATTHES, Woodside, L. I., N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$2 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Estella	3 00	Mrs. F. Joost	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa,

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.

VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

	per 100	per 1000
Fine collection	$2 00	$15 00
Strong pot plants	3.00	25.00

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5 00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2 00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

see issue of February 28 for varieties and prices.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock. April Delivery. From 2½ in. pots.
- Bride, Bridesmaid, Golden Gate, $12.00 per 100.
- Liberty, $15.00 per 100.

CHRYSANTHEMUMS.

Varieties and Prices on Application.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9 00 per 1000. No 2 grade, $12 00 per 1000 Special rates on 10,000 lots

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2 00 per dozen, $10 00 per 100; $75.00 per 1000, $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

	100	1000
MR. THOMAS LAWSON	$2 50	$20 00
THE MARQUIS	1 25	10 00
QUEEN LOUISE	2 50	20 00
LORNA	2 50	20 00
J. H. MANLEY 75c. per doz.	6.00	50 00
HARRY FENN 75c. per doz	6.00	50 00

THEODOR LEONHARD

P. O. Box 1646 Paterson, N. J.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Roses and Carnations

Our Cuttings are all selected for strength and health. There is no finer stock grown. The Roses are all from grafted stock, except Perle and Meteor.

ROSES.

	Per 100		Per 100		Per 100
Kaiserin	$2 50	Bride	$1.50	Meteor	$1.50
Perle	2.50	Bridesmaid	1.50	Golden Gate	1.50

CARNATIONS.

WHITE.	Per 100	PINK.	Per 100	RED.	Per 100
White Cloud	$1.50	Mrs. Lawson	$2.00	G. H. Crane	$2.00
Flora Hill	1.50	The Marquis	1.50	America	1.50
Gov. Wolcott	5.00	Cressbrook	4.00	Adonis	14.00
White Bradt	12.00	Floriana	4.00		
Norway	2.00	Enchantress	12.00		
Lillian Pond	10.00	Morning Glory	2.00		
		STRIPED.		MAROON.	
		Gaiety	4.00	Gen. Maceo	1.50
		Prosperity	3.00	Roosevelt	2.00

WRITE FOR SPECIAL PRICES ON LARGE LOTS.

No order for less than 50 of one variety filled at these prices. We will have a very fine stock of grafted Bride and Bridesmaid Roses, ready April 1st, at $10 per 100. All cuttings and plants shipped from Hinsdale.

Greenhouses, Hinsdale, Ill. **BASSETT & WASHBURN** Store, 76 & 78 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$1 50	$12 50	Nelson	$5 00	$40 00
Enchantress	12 00	100 00	Cressbrook	4 00	35 00
Guardian Angel	1 25	10 00	Triumph	1 25	10 00
Joost	1 25	10 00	Higinbotham	5 00	40 00
Genevieve Lord	1 25	10 00	Morning Glory	2 00	15 00

RED.

Adonis	14 00	120 00	Palmer	4 00	30 00
Harlowarden	12 00	100 00	Mrs. L. Ine	1 25	10 00
Estelle	4 00	35 00	Chicago (Red Bradt)	2 00	15 00
G. H. Crane	2 00	15 00			

WHITE.

Flora Hill	1 50	12 50	Hoosier Maid	1 25	10 00
Queen Louise	2 50	20 00	Bon Homme Richard	1 25	10 00
Peru	1 25	10 00	Murphy's White	6 00	50 00
White Cloud	1 25	10 00	Norway	1 00	12 50

VARIEGATED.

Mrs. G. M. Bradt $2.00 per 100; $15.00 per 1000.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	Bride	$3 00	$25 00
American Beauty	6.00	55.00	Golden Gate	3 00	25 00
Kaiserin	4.00	35.00	Perle	3 00	25 00
Bridesmaid	3.00	25.00	Ivory	4 00	35 00
			Sunrise	7 00	65 00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	Golden Gate	$1 50	$12 50
Bridesmaid	1 50	12 50	Ivory	3 00	25 00
Perle	1 50	12 50	Sunrise	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Place Your Order AT ONCE for the Best. Do Not Delay.

We can ship at once well-rooted cuttings of the following varieties, **free from disease** and first-class in every respect. **None better** and seldom equaled.

Write for Quotations and Catalogue.

Mrs. Thos. W. Lawson
Gov. Wolcott
E. A. Nelson
Estelle
White Cloud
Mrs. Potter Palmer
Gaiety
Viola Allen

Adonis
Lillian Pond
President McKinley
Golden Beauty
Apollo
Morning Glory
Queen Louise
Stella

Lorna
J. H. Manley
Joost
Enquirer
Mrs. Theo. Roosevelt
Gov. Roosevelt
Harry Fenn
Dorothy Whitney

Prosperity
Guardian Angel
Mrs. Higinbotham
Dorothy
Marquis
Cressbrook
Crane
Tiger

J. D. THOMPSON CARNATION CO.
JOLIET, ILLINOIS.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Extra Strong. Guaranteed Healthy.

	Per 100
Floriana	$3.00
Chicago	3.00
Mrs. G. M. Bradt	3.00
Prosperity	2.50
Norway	$2.00
Triumph	2.00
Mrs. F. Joost	1.50
Evanston	1.50

Write for prices on large quantities.

CLINTON HILL GREENHOUSES, Newark, N. J.
374-382 Clinton Avenue.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000
Her Majesty	$10.00	$80.00
Flora Hill	1.50	10.00
White Cloud	1.50	10.00
Norway	1 50	12.50
Prosperity	1.50	10.00
Mrs. Lawson	$2.00	$12.50
America	1.50	10.00
Marquis	1 50	10.00
Elma	1.50	10.00

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000
Ivory	$4.00	$35.00
Bride	3.00	25.00
Bridesmaid	$3.00	$25.00
Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20 00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order. All orders sent in strict rotation. All cuttings guaranteed first-class in every particular.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

NEW CARNATION
$UCCE$$

The Money Maker

The most prolific carnation to date. Flowers light pink, shade of La France rose, large and well formed, and borne on stout stems, with strong calyx. A splendid summer bloomer. Heavily rooted cuttings: $1 50 per 12; $2.50 per 25; $8.00 per 100, $70.00 per 1000. Immediate delivery. For sale by

HENRY F. MICHELL, Philadelphia, Pa.
J. GAMMAGE & SONS, London, Ont., Canada

JOHN G. SHOLL, Dept. C., Burlington, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

HALF MILLION CUTTINGS READY

20,000 EACH OF THE FOLLOWING VARIETIES:

G. H. Crane, America, Prosperity, Armazindy, White Cloud, Flora Hill, Norway, Bon Homme Richard, The Marquis, Guardian Angel

$2.00 per 100; $15.00 per 1000

Governor Wolcott, Mrs. Higinbotham, $5.00 per 100; $45.00 per 1000

Estelle, $4.00 per 100; $30 per 1000. Mrs. Potter Palmer, $5.00 per 100; $40 per 1000.

CHICAGO CARNATION CO., Joliet, Ills.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings

White.	Per 100	Per 1000
Alba,	$6.00	$50.00
Wolcott,	5.00	45.00
Lorna,	2.50	20.00
Norway,	2.00	17.50
Glacier,	2.00	17.50
White Cloud,	1.50	12.00

Red.	Per 100	Per 1000
Adonis,	$14.00	
Apollo,	6.00	$50.00
Estelle,	5.00	45.00
G. H. Crane,	2.00	17.50
Gen. Gomez,	2.00	17.50
Gen. Maceo,	2.00	17.50
Roosevelt,	2.00	17.50

Pink.	Per 100	Per 100
Enchantress,	$12.00	
Nelson,	6.00	$50.0
Cressbrook,	4.00	35.0
Dorothy,	2.00	17.5
Mrs. Lawson,	2.00	17.5
Elma,	2.00	17.5
Morning Glory,	2.00	17.5
Mrs. Joost,	1.50	12.0
The Marquis,	1.50	12.0
Triumph,	1.00	8.0

Variegated.	Per 100	Per 100
Gaiety,	$4.00	$35.0
Stella,	5.00	45.0
Prosperity,	3.00	25.0

250 at 1000 Rates.

BOSTON FERNS.

2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., $1.00; 8 in., $1.2 each.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind

Mention the Florists' Exchange when writing

NOVELTIES

CARNATIONS,
CHRYSANTHEMUMS.
CANNAS, GERANIUMS,
PELARGONIUMS.

Also BEST STANDARD VARIETIES

A few hundred **Vinca Variegata**, ready for **IMMEDIATE** delivery. 3½ inch pots strong, $5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing

LOOK HERE!
Carnation Cuttings

From Extra Fine Stock.

	100	100
Lillian Pond	$10.00	$75.0
Cressbrook	4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	25.0
Floriana	2.50	20.0
Mrs. Joost	2.00	15.0
Wm. Scott	1 25	10.00
Daybreak	1.50	12.50
Morning Glory	2 00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.0
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates. Cash with order please.

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

NOVELTIES—This Year's Introductions

Mrs. Theodore Roosevelt. A brilliant shade of deep cerise pink, flamed with carmine. Finely formed, average 3 inch flower on strong stiff stems. Habit vigorous, early, free. Fragrance, strong clove. Selected, strong, well-rooted cuttings now ready. $12.00 per 100; $100.00 per 1000.

Alpine Glow. A deep salmon pink on opening, which finishes a bright Daybreak tint. Good sized bloom, averaging 2¼ inches at this season of the year. Flowers of great substance and a splendid keeper and shipper. An extra vigorous grower; early, profuse and continuous bloomer. Cuttings taken last April produce plants carrying 25 to 30 blooms by the first of March. We believe this will prove one of the most profitable of the daybreak colored carnations. We shall have the following rooted cuttings ready for delivery at the dates specified: March 15th, 2,500; March 21st, 5,000; April 5th, 5,000. Price, $8.00 per 100; $75.00 per 1000. Quantity limited to the above.

Lillian Pond 2,000 selected plants from 2 inch pots, ready for immediate delivery, $10.00 per 100.

Her Majesty From 2 inch pots, March 10th to 15th delivery, $10.00 per 100.

Marshall Field From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

Gov. Lowndes Strong plants from 2 inch pots, for immediate delivery. $12.00 per 100.

Adonis Strong plants from pots, March 10 to 15th delivery. $15.00 per 100.

Enchantress From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

INTRODUCTIONS 1902

Harry Fenn. Extra strong selected stock, $50.00 per 1000.

Viola Allen. Fine strong cuttings for immediate delivery, $50.00 per 1000.

Stella. $6.00 per 100. $50.00 per 1000.

Challenger. Extra strong stock ready for immediate delivery. $5.00 per 100; $40.00 per 1000.

Gaiety. $6.00 per 100; $50.00 per 1000.

J. H. Manley. We have propagated a few thousand extra selected cuttings from this variety which we offer at $6.00 per 100; $50.00 per 1000, to those who wish to give it a trial.

STANDARD VARIETIES

Mrs. Lawson. 5,000 fine strong cuttings for immediate delivery, ready now and up to March 10th, $25.00 per 1000.

Golden Beauty. For immediate delivery, $50.00 per 1000.

Lorna. $25.00 per 1000.

Prosperity. Fine stock from 2 inch pots, $3.50 per 100; strong cuttings from sand, $25.00 per 1000.

Floriana. Fine stock from 2 inch pots, $3.00 per 100; strong cuttings from sand, $25.00 per 1000.

Gov. Roosevelt. $25.00 per 1000.

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

Mention the Florists' Exchange when writing.

Carnations Rooted Cuttings

Late March and Early April Delivery

	Per 1000
Morning Glory	$12.50
Cressbrook	25.00
Queen Louise	15.00
Gov. Roosevelt	15.00
Dorothy	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	100	ALSO FROM SOIL.	100
Mrs. Lawson	$2.50	Prosperity	$3.00
G. H. Crane	2.00	G. Lord	1.50
Prosperity	2.50	Lorna	2.50
Genevieve Lord	1.50		

Strong Plants Ready to Ship at Once.

Cash with order.

DE PEW BROS., Nyack, N. Y.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

NEW CARNATIONS

Lowndes, Fine Large Commercial White.

ENCHANTRESS, MRS THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS

We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties now ready.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties

Rooted Cuttings, 60c. per 100, $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100	PINK	Per 100	CRIMSON	Per 100
Queen Louise	$2 00	Floriana	$2 00	Harry Fenn	$5 00
Lorna	2 50	Mrs. Higinbotham	5 00	Gov. Roosevelt	2 50
Norway	2 00	Cressbrook	4 00	Gen. Maceo	1 50
Goodenough	2 00	Mrs. G. A. Milson	4 00		
Hoosier Maid	2 00	Mrs. Thos. Lawson	3 00	YELLOW	
White Cloud	1 50	Dorothy	2 00	Buttercup	3 00
Flora Hill	1 50	Irene	2 00	Gold Nugget	2 00
RED		Sunbeam	2 50	Eldorado	1 25
Mrs. Potter Palmer	4 00	Morning Glory	1 50		
J. H. Manley	5 00	The Marquis	1 25	VARIFGATED	
Oriole	4 00	Genevieve Lord	1 25	Dorothy Whitney	6 00
G. H. Crane	2 00	Mrs. F. Joost	1 25	Prosperity	2 50
Jubilee	1 50	Daybreak	1 25	Mrs. G. M. Bradt	3 00
Portia	1 25	Wm. Scott	1 25	Armazindy	1 25
		Ethel Crocker	1 25		

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

PHILADELPHIA WHOLESALE FLOWER MARKET

1228 CHERRY STREET, PHILADELPHIA

Consignments of CHOICE VIOLETS and NOVELTIES Wanted. We have a Choice Lot of DAFFODILS Fresh Daily

Bell and Keystone 'Phones.

CHAS. E. MEEHAN, Manager.

Mention the Florists' Exchange when writing.

GALAX

Bronze or Green, $1.00 per 1000, 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100. Fancy Ferns, $2.00 per 1000. Green Sheet Moss, fresh stock, $2.50 per bbl sack. Sphagnum Moss $1.75 per bale. Southern Wild Smilax, 50 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

L. J. KRESHOVER, 110-112 W. 27th St., New York.

Tel. 597 Madison Square.

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

– ALSO –

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

WE NOW OFFER

"Chemicals"

for making LIQUID COMPOST.

Dry powders all soluble in water. Composts cost less than ⅛c. per gal. Correspondence invited.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

Mention the Florists' Exchange when writing.

EASTER GREETING SOUVENIRS

Handsome Flowery Effects.

Will delight patrons, and promote the business.

Low priced, in varied styles.

Samples now ready, free.

DAN'L B. LONG, Publisher, **Buffalo, N.Y.**

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ALL NURSERYMEN, SEEDSMEN AND FLORISTS

WISHING TO DO BUSINESS WITH EUROPE SHOULD SEND FOR THE

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, **75** cents. Money orders payable at Lowdham, Notts. Address

EDITORS OF THE "H. A."
Chilwell Nurseries, Lowdham, Notts.

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FANCY OR DAGGER FERNS

$1.25 per 1000. Discount on large orders.
First quality **Galax**, bronze or green, $1.00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts. per yard.

Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

CROWL FERN CO.

MILLINGTON MASS.
Telegraph Office: NEW SALEM, MASS.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower

CUT GREENS

Asparagus, Smilax, Sprengeri and Adiantum.

Tel. 28 A. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. MCCULLOUGH'S SONS, Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

FERTILIZER

We manufacture a superior article for Potatoes, Cabbage, Celery, Corn, etc., body of same **Pure Bone**; tests about 6 per cent. Ammonia, 7 to 8 per cent. Potash K_2O, 166 pound bag $[illegible].25, ton, $[illegible].00. A pure Bone Meal for greenhouse, lawns, fruit trees, etc., tests 6 per cent. Ammonia, 50 per cent. Bone Phosphate, 166 pound bag, $[illegible].00, ton $[illegible]. Also have a practical Potato Special, tests [illegible] per cent. Potash $[illegible] ton. A dissolved Bone and Potash, tests 10 per cent. avail. Phos. Acid, [illegible] to [illegible] per cent. Potash, $22.50 ton. A General Crop Fertilizer, at $[illegible]. All delivered free, in ton lots, if cash accompanies order. **Jas. L. Reynolds Co., Mt. Vernon, N.Y.**

Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,

SHEEP MANURE

Have now on hand a large quantity of
A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**

Mention the Florists' Exchange when writing.

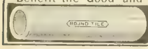
J. STERN,

1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.

Wax Flowers, Floral Designs, Florists' Supplies.

Mention the Florists' Exchange when writing.

Benefit the Good and **Redeem the Waste Places**



and make the whole farm productive by using our **Agricultural Drain Tile**, the [illegible] Manufactured 50 years. Prevents soil souring, [illegible] Write us for [illegible] **JOHN H. JACKSON, 50 3rd Ave., Albany, N. Y.**

Mention the Florists' Exchange when writing.

AMERICAN BRAND FLORIST FOIL

THE STANDARD FOIL OF AMERICA.

PLAIN – EMBOSSED – VIOLET

...MADE BY...

The John J. Crooke Co.,

Established 1850.

155 to 163 AVENUE D, NEW YORK.

149 FULTON ST. CHICAGO.

Mention the Florists' Exchange when writing.

Kalamazoo, Mich.

Among Growers.

Van Bochove & Bro. have a bench of callas that has borne huge crops of fine flowers all along, and is still in a most promising state. These are home-grown stock, and show a marked contrast to the California variety. The firm has done well again this year with American Beauty and Meteor roses. Glacier and Ethel Crocker carnations are a sight to behold as produced by Mr. Curran, the grower here. These much-abused varieties head the list as money-makers at this place.

At the Dunkley greenhouses carnations are in good crop and fine flowers of those old standbys, Flora Hill and Daybreak, show there is still money in them where they are suited. Roses are promising a good cut, also, before long.

In order to accommodate its increasing business the Central Nursery Co. has leased a large store on Main street, and will move in as soon as alterations are completed. The front part of the store will be devoted to a first-class flower business, and the rear converted into offices for the clerical force of the Nursery company. The company has also contracted for the erection of 12,000 feet of glass as soon as weather permits, and has purchased about 5,000 of the newer varieties of carnations, including 800 each of Enchantress, Adonis, Her Majesty, etc. A specialty of high-grade carnations and violets will be made, rounding out with a 200-foot house of American Beauty, all of which have succeeded remarkably well this year under the able management of Mr. Cook.

There is talk of another concern locating here in the near future. S. B.

Indianapolis, Ind.

News Notes.

Philip Conway is preparing to erect another greenhouse, 20x80 feet.

H. Junge has returned from Adrian, Mich. He reports everything in the florists line there O. K.

A. Baur speaks very highly of the Carnation Society's recent convention and the many new varieties exhibited there. Too bad that Baur & Smith's lot of carnations was frozen in transit, as the pink seedling, Indianapolis, showed up in fine form here.

The State Florists' Association of Indiana met Tuesday, March 3. The advisory committee on Fall show reported on several items.

Bertermann Brothers' establishment, in East Washington street, is already taking on an Easter air, with lots of Crimson Rambler roses, lilacs, azaleas and other shrubbery.

Visitors: J. D. Carmody, Evansville; L. Vaughan and Mr. Trillow, Chicago; James Begbie, New York. I. B.

Berberis Oregonium

(Mahonia)

Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid**, for $1.00.

J. H. HOWE, Florist, 1433 34th Ave., So. Seattle, Wash.

Mention the Florists' Exchange when writing.

Order Direct from Headquarters

A No. 1 **Dagger** and **Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5c. and 6c. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green** and **Sphagnum Moss**, $1.00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

HENRY M. ROBINSON & CO.,
34-36 Court Square, Boston, Mass

Mention the Florists' Exchange when writing.

SHAMROCK

SOMETHING NEW.

From cemetery of Downpatrick, Ireland.
Plants, from 2¼ in. pots, $4.00 per 100; $35.00 per 1000; 250 at 1000 rate.
Cash with order. Order early, as stock is limited.

J. D. HARCOURT'S SON, Wappingers Falls, N. Y

Mention the Florists' Exchange when writing.

SHAMROCK

Genuine Irish Shamrock, $4.00 per 100
Cash.

Centre Ave. Greenhouses,
READING, PA.

Mention the Florists' Exchange when writing

IRISH SHAMROCK For St. Patrick's Day

THE TRUE IRISH SHAMROCK

The original plants obtained direct from Ireland
Price, 75 cts. per doz., $4.00 per 100; 50 at 100 rate.
W. W. RAWSON & CO., Seedsmen,
2 and 13 Faneuil Hall Square, BOSTON, MASS

Mention the Florists' Exchange when writing

SHAMROCK

Strong and fine plants just right for St. Patrick's Day. $4.00 per 100; or 60 cts. per doz. by mail.

AGERATUMS, "Pauline" and "Gurney," strong and bushy, ready for 3 in., $2.50 per 100

CHINESE PRIMROSE SEED. Finest grown single and double, mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEEDS, FINEST GIANTS. Best large flowering, critically selected, mixed 5000 seeds, $1.00, ½ pkt., 50 cts.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa
THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing

THE TRUE IRISH SHAMROCK

SHAMROCK

Stock received from **Bayard Hartland, Patrick Cork, Ireland.**

2 1-2 inch pots $3.00 per 100.

J. W. HOWARD, 330 B'way, Somerville, Mass.

Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**

Mention the Florists' Exchange when writing.

Galax and Leucothoe

We are situated in the heart of the finest section known for the above Evergreens.

Galax, Green and Bronze, 45c. per 1000.

Leucothoe Sprays, Green, $2.00 per 1000.

These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.

F. W. RICHARDS & CO., Banners Elk, N. C.

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BONNOT BROS.
Wholesale Florists
55 and 57 W. 26th St., New York
Coogan Building
Consignments of First-Class Stock Solicited
Telephone: 2438 Madison Square

JAMES McMANUS, Telephone, 759 Madison Square **50 W. 30th St., New York**
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

ALFRED H. LANGJAHR
Wholesale Commission Florist
19 Boerum Place, Brooklyn, N. Y.
Telephone, 939 Main

Geo. E. Bradshaw John R. Hartman
BRADSHAW & HARTMAN
Wholesale Florists
53 West 28th Street, NEW YORK
Telephone, 1797 Madison Square
Consignment Solicited

CUT FLOWER EXCHANGE
Coogan Building, 6th Ave. and 26th St.
NEW YORK
Open every Morning at 5 o'clock for the Sale of Cut Flowers
This is not a commission house; the market consists of individual stands
Wall Space for advertising purposes to Rent
J. DONALDSON, Secretary

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Daily Reports Weekly Payments
Tel. 2239 Mad. Sq.
2034 Mad. Sq.
J. A. MILLANG
Manager

JOHN J. PERKINS
Wholesale Florist
115 W. 30th St. New York
'Phone, [illegible] Madison Square
Established in 1872
Consignments Solicited

ALEX. J. GUTTMAN, WHOLESALE FLORIST.
GROWERS AND RETAILERS. I have the facilities to take care of you both. All seasonable Flowers and Novelties, at proper prices, can be had at
52 West 29th St., New York, Telephone 1738 Mad. Sq.

YOUNG & NUGENT
..Wholesale Florists..
CATTLEYAS, Am. Beauty, Liberty, Sunrise, Bride, Bridesmaid, Meteor, Golden Gate, and all other Leading Varieties of Roses.
42 W. 28th Street, - NEW YORK

Tel. 167 Madison Sq.
Can Fill Out-of-Town Orders at all Times
The Pioneer House
Personal attention given all orders. Specialties: **Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at 6 o'clock every morning.
Consignments Solicited
J. K. ALLEN, 106 West 28th St., New York

Mention the Florists' Exchange when writing

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
WILLIAM H. GUNTHER
80 West 29th Street, NEW YORK
Telephone Call 551 Madison Square
Violets Roses Carnations Orchids
Established 1888

JAMES A. HAMMOND
COMMISSION DEALER IN
CUT FLOWERS
Consignments Solicited.
113 West 30th Street, NEW YORK
Telephone 854 Madison Square.

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Wholesale Florists
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Tel. 2798 Madison Square
108 Livingston St., Brooklyn, N.Y.
Tel. 3660-3661 Main

JULIUS LANG
Wholesale Florist
53 W. 30th St.
Consignments Solicited NEW YORK
Telephone 280 Madison Square

MOORE, HENTZ & NASH
WHOLESALE
GROWER
AGENT
COMMISSION FLORISTS
55 West 26th St., New York

Mention the Florists' Exchange when writing.

W. GHORMLEY
WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
Telephones: 2200 Madison Square, 2201 Madison Square
57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, March 6, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	15.00 to 25.00
	" extra	10.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to ....
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00
	" extra	5.00 to 6.00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 8.00
	Liberty	6.00 to 10.00
	Meteor	.50 to 5.00
Adiantum		.75 to 1.00
" Peter Crowe		...... to 1.50
Asparagus		25.00 to 50.00
Callas		8.00 to 10.00
Cattleyas		40.00 to 50.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to 25.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	1.00 to 2.00
		Pink	1.00 to 2.00
		Red	1.00 to 2.00
		Yel. & Var.	1.00 to 2.00
	*Fancy— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	Novelties		3.00 to 4.00
Lilies			8.00 to 10.00
Lily of the Valley			1.00 to 1.50
Narcissus—Paper White			.50 to 1.00
" —Yellow			.50 to 2.00
Mignonette—ordinary			4.00 to 5.00
" fancy			6.00 to .800
Roman Hyacinths			1.00 to 1.50
Smilax			8.00 to 12.00
Sweet Peas			1.00 to 1.50
Tulips			.75 to 2.00
Violets			.15 to .30
" special			.40 to .50
Lilac, per bunch			.50 to .75
Freesia, per bunch			.10 to .15

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Solid Beds vs. Benches.

Editor Florists' Exchange:

The present Winter will be remembered by every florist, for the long continued dull weather and the high price of coal. There is no doubt that many will find, at the end of the season, a very small balance on the right side of the ledger; and with repairs and necessary improvements staring them in the face, the problem is a very serious one.

To those who have to replace their old benches with new ones I would very earnestly suggest that they investigate thoroughly the solid bed method of growing roses and carnations. There are many who pronounce useless something they have not tried or understand. This is radically wrong, but it is too often the case.

The solid bed method has so many advantages over the bench that only a few need be mentioned. In the first place, after the drainage and soil have been filled in, there is comparatively no more expense, especially if the sides are constructed of brick they will last a lifetime. A bench will at best last but three years, and to replace it at the present price of lumber means a large outlay, which will increase year by year as the value of the material advances. The labor, too, is quite an item. I do not mean that every bench should be torn out, for I well know how useful they are for storing under them cannas, fuchsias and what not, still it will be admitted that they harbor insects, such as slugs and lice, etc. With the solid bed everything is clean and no harbor for insects is provided.

For carnations, all that is necessary, after they are thrown out, is to let the soil get perfectly dry, which will kill all the weeds and drive the worms away. Just before planting time, after the soil has been well dampened down, a good coat of rotten manure forked in is all that is necessary. If you intend planting a variety that requires a heavy soil, it is an easy matter to add some clayey loam, and your bed is ready.

With roses it is different. Once they are planted they will do well for five or six years; the only thing that is required is to dry them off gradually before cutting back. This is a very easy method, syringing occasionally to keep the red spider down, and giving all the air possible night and day. Even a slight frost before cutting back will not be detrimental. After a liberal supply of rotten cow manure has been lightly forked in and a good soaking of water applied the plants will start all right, still keeping the air on night and day more or less as the temperature outside guides you. But keep air on if you want good, strong growths and fine flowers.

The cause of so much mildew at times is attributable to the plants having been kept too soft, and not starting the fires early enough.

Doubtless there are some who will question the philosophy of this suggestion, and to those I would ask, Have you seen illustrations of some of the new 400 feet long greenhouses erected by some of our best rose growers, such as Messrs Asmus and Pierson? If not, look them up in The Florists' Exchange and you will see that all the roses in these houses are planted in solid beds.

Let me add, that I have seen carnations grown in solid beds just as fine as any bench-grown stock.

H. Y.

Dahlias

Editor Florists' Exchange:

We notice a discussion in The Florists' Exchange on the subject of planting two or more hills of dahlias of one kind together. If this be necessary, then we cannot grow any more dahlias. Last year we grew over 100,000 clumps in over 400 varieties, and we do not believe there is any virtue in that statement.

The assertion that a poor variety can be improved through the agency of bees is all right—if Mr. Tarbox grows his dahlias from seed; otherwise no improvement can be made.

ROWEHL & GRANZ.

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Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Boston Feb. 25, 1903	Phil'delphia Mar. 3, 1903	Baltimore Feb. 18, 1903	Buffalo Mar. 3, 1903	Pittsburg Mar. 2, 1903
Roses		A. BEAUTY, fancy—special	...... to 60.00	...... to	...... to	50.00 to 60.00	50.00 to 65.00
		" extra	40.00 to 50.00	40.00 to 50.00	...... to	30.00 to 40.00	35.00 to 40.00
		" No. 1	20.00 to 35.00	25.00 to 30.00	25.00 to 40.00	15.00 to 25.00	16.00 to 25.00
		" Culls and Ordinary	6.00 to 12.00	15.00 to 20.00	8.00 to 20.00	...... to	4.00 to 8.00
		Queen of Edgely	...... to	20.00 to 50.00	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	...... to 16.00	...... to	...... to	...... to 15.00	10.00 to 10.00
		" extra	12.00 to 14.00	12.00 to 15.00	...... to	10.00 to 12.00	6.00 to 8.00
		" No. 1	8.00 to 12.00	8.00 to 10.00	8.00 to 10.00	6.00 to 8.00	3.00 to 5.00
		" No. 2	4.00 to 8.00	5.00 to 6.00	5.00 to 7.00	3.00 to 5.00	1.50 to 2.00
		Golden Gate	...... to	5.00 to 10.00	5.00 to 12.00	3.00 to 8.00	...... to ......
		K. A. Victoria	...... to	...... to	5.00 to 8.00	...... to	...... to ......
		Liberty	8.00 to 25.00	15.00 to 35.00	...... to	3.00 to 10.00	3.00 to 10.00
		Meteor	6.00 to 16.00	8.00 to 12.00	...... to	2.00 to 8.00	2.00 to 6.00
		Perle	...... to	8.00 to 12.00	4.00 to 6.00	5.00 to 8.00	4.00 to 8.00
		ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
		Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations		Inferior grades, all colors	...... to 2.00	...... to	1.00 to 1.75	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES	White	...... to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.50	2.00 to 3.00
		Pink	...... to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.50	1.50 to 2.00
		Red	...... to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.50	1.50 to 2.00
		Yellow and var.	...... to 3.00	2.00 to 3.00	2.00 to 3.00	1.50 to 2.50	1.50 to 2.00
	*FANCY (*The highest grades of standard var)	White	...... to 4.00	4.00 to 5.00	3.00 to 5.00	3.00 to 3.50	4.00 to 5.00
		Pink	...... to 4.00	4.00 to 5.00	3.00 to 5.00	3.00 to 3.50	2.00 to 3.00
		Red	...... to 4.00	4.00 to 5.00	3.00 to 5.00	3.00 to 3.50	2.00 to 3.00
		Yellow and var.	...... to 4.00	4.00 to 5.00	3.00 to 5.00	3.00 to 3.50	3.00 to 4.00
		NOVELTIES	5.00 to 6.00	...... to	...... to	4.00 to 6.00	...... to ......
		ADIANTUM	to 1.00	...... to 1.00	...... to 1.00	.75 to 1.25	1.00 to 1.50
		ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 60.00	10.00 to 50.00	30.00 to 50.00
		CALLAS	8.00 to 12.00	...... to	8.00 to 12.00	10.00 to 12.50	6.00 to 10.00
		CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	...... to ......
		DAFFODILS	1.50 to 2.00	...... to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
		DAISIES	...... to	...... to 2.50	...... to	...... to	1.00 to 1.50
		FREESIA	2.50 to 5.00	...... to	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00
		GALAX LEAVES	...... to	...... to .10	...... to .10	.10 to .15	...... to ......
		HYACINTHS	1.50 to 2.00	...... to 4.00	2.00 to 3.00	2.00 to 8.00	2.00 to 3.00
		LILIES	8.00 to 12.50	...... to 15.00	...... to 12.00	10.00 to 15.00	10.00 to 15.00
		LILY OF THE VALLEY	2.00 to 4.00	4.00 to 5.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
		MIGNONETTE—Ordinary	...... to 3.00	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	1.00 to 3.00
		" Fancy	...... to 4.00	...... to	...... to	5.00 to 6.00	4.00 to 5.00
		NARCISSUS	1.50 to 2.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00	2.00 to 3.00
		SMILAX	12.00 to 16.00	...... to 15.00	10.00 to 25.00	...... to 15.00	12.00 to 15.00
		STEVIA	...... to	...... to	...... to	...... to	...... to ......
		SWEET PEAS	...... to 1.00	...... to 1.50	...... to	1.00 to 1.50	.50 to 1.00
		TULIPS	2.00 to 4.00	...... to 4.00	...... to 3.00	2.00 to 4.00	2.00 to 5.00
		VIOLETS	.40 to .75	.75 to 1.00	.50 to .75	.25 to .60	.30 to 1.25

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Cleveland.

News Jottings

Since passing through the last blizzard that reached the whole country we are having the finest kind of weather and stocks, as a rule, are showing the effects of the bright sunshine.

Easter stock almost everywhere locally is in the very best of condition, and with most growers everything is far enough advanced to be in on time. In fact, some lines as azaleas and cinerarias, will have to be held back to save them. Easter lilies will be in fair supply, mostly Lilium longiflorum, but as several growers have lost most all their stock through disease there seems to be no fear of an overstock. Crimson Rambler roses look better than ever, and should prove to be good sellers. Hybrid roses, especially Magna Charta, are being grown in large quantities as pot plants and should also meet a ready sale. Most all the growers are forcing hydrangeas for this Easter, but, to my mind, there will be plenty after, as some lots will not be on time.

Most all the growers of carnations report the outlook for a good cut as very bright; but the rose growers say that their plants have been pretty well cut down and that a very heavy cut cannot be had by that time.

John Mollenkopf has some very good cinerarias at the New Sheriff street market which are selling well.

Smiths, of Wade Park avenue, will have their new wagon out about the 15th. They intend to make a hit with it.

G. W. S.

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Pittsburg.

rnation Night at the Club.

It was carnation night at the rch meeting of the Florists' Club, h a most successful gathering, a exhibition of cut blooms, and a tty thorough discussion of all that s shown. The attendance was un-ially good; most of the growers were sent and took great interest in the eedlings. Those from outside points o sent blooms for exhibition were as lows: L. E. Marquisee, of Syracuse, Y., who sent three of his best Alba-ss, a fine white; the brilliant scarlet amingo, much admired by all present, l Sunbird, a good yellow, a color that in very little demand in our locality.

W. Ward, of Cottage Gardens, eens, L. I., showed eight seedlings, ong them two very good ones—No. , a white, and No. 216, a fine dark l, also No. 77, a good yellow varie-ted; Alpine Glow, a light pink; Mrs. A. Thayer and Ethel Ward. The ter variety was much admired and ll spoken of. Judge Hinsdale, a light riegated, had a splendid stem. Presi-nt and Mrs. Roosevelt were both fine; former was considered by all the st crimson on the market.

ailledouze Bros., Flatbush, N. Y., it two of their best sorts and the wers arrived in fine condition. White adt was pronounced to be the best er seen. Fragrance is one that would l well with us; it has a pleasing color d the odor is delightful.

The Chicago Carnation Co., of Joliet, , showed three varieties—Harlowar-n, Her Majesty and Marshall Field. e latter is a good one for show, but riegated colors are poor sellers in ttsburg. E. G. Hill Co., of Ricmond, d., sent a fine white that was well ought of, named Innocence. Peter sher, of Ellis, Mass., sent En-antress; Boston Market, a very good hite, and a variegated one, Mrs. M. A. tten.

Of the home growers the Pittsburg se and Carnation Co., of Bakerstown, ., made quite an exhibit of 17 varie-s—Norway, Peru, Lorna, Queen uise, and White Cloud, all whites. rna is a better flower than White oud; Queen Louise is a free and early oomer, and White Cloud seems to be best variety around Pittsburg, the st money-maker. Among the reds s. Potter Palmer was good. Estelle lls well; is a free and steady bloomer, d about the best red to be had here. mong the pinks Dorothy was well oken of, a very free bloomer, much tter than Wm. Scott. Cressbrook is nsidered good, and Mrs. E. A. Nelson as pronounced to be a fine early one, free bloomer, of fine color. Mrs. awson is much liked, is a good seller d easily grown by our florists. It lits more than formerly, but this is kely due to the dark weather prevail-g this Winter.

Of the light pinks, Mrs. Higinbotham a good one with fine stem. Gaiety ee, also Morning Glory, which has a ry pleasing color.

Of the variegated varieties, Stella, of Dorner's, is fine, a good bloomer d a profitable sort to grow. Pros-rity does not produce flowers enough make it pay with our growers.

The two best pinks were pronounced be Mrs. E. A. Nelson and Dorothy, most profitable to grow.

Ernst Fisher, of Castle Shannon, Pa., owed a few good blooms, among them aybreak, The Marquis, a cropper with m. Mrs. Lawson he considers best of l. Queen Louise is his best and most ofitable white, a good commercial rt, and the only one he cares to grow. m. Scott he still likes as a pink.

Mr. Fisher asked those who received plants of Adonis in what condition they came, and with the exception of one case they were all poor; about half of them lost; and the growers feel sore about paying a big price for such stock.

The club tendered a vote of thanks to all who exhibited and helped to make the meeting a success.

The high river the past week caused some inconvenience to W. C. Beckert, the Allegheny seedsman; also to the Pittsburg Cutflower Co., who had several feet of water in the cellar, the water coming in the sewer.

E. C. REINEMAN

Washington, D. C.

Congress closed March 4, and the hope that the Postoffice appropriation bill would get through intact and with the clause providing for the transmission of catalogues in lots of not less than two thousand, without postage stamps, has been dashed to pieces. There will be much disappointment at the clause above referred to having been stricken from the bill, and there seems to be a dearth of information as to why this was done. The elimination was made when the bill went to the Senate, and when it went to conference it was not restored. It is doubtful if there was ever a measure introduced which had such all-round, practical and equi-beneficial features as this one. It is a saving in time and labor for the postal department and equally so for the man who sends out the catalogues. It certainly is a meritorious thing. Possibly that was why it failed! Well, we'll try it again next year.

The weather of the past couple of weeks has been wonderful for the production of violets. The darkey boys can be found in the vicinity of the shopping centers in large numbers; 15c. per bunch seems to be a fair price for the violets offered by them, although some are still holding out for 25c.

Central Market now has a pretty good representation of florists, sales being confined mostly to carnations, roses and violets. Carnations go at all the way from 35c. to $1.00 per dozen. Kramer, of Anacostia, D. C., had some Mrs. Lawson that were the admiration of all and were decidedly good value for the price—75c. per dozen.

A very handsome window effect is to be seen in one of the Washington floral stores, created by the use of small incandescent lights, with pretty, red bell-shaped shades of crepe paper that fit around the bulbs neatly. The red glow seems to impart a lustre to the flowers that makes them doubly attractive.

I. A. B.

To Dispose of Soot.

Owing to the trouble caused by soft coal clogging pipes and chimney flues, the following suggestion is worthy of noting: "Zinc is a peculiar metal in many respects. It volatizes easily, and the oxide thus produced has a strong affinity for carbon. If one's furnace chimney is clogged up with soot and the owner desires to get rid of it, all that is necessary is to throw a little zinc scrap into the fire. Any old zinc will do, and very little will suffice to keep the chimney clean if used about once a week. The vapor of zinc oxide seizes upon the carbon of the soot and forms a new chemical compound, part of which goes up the flue and part falls to the bottom to be shoveled out as ash."—Water and Gas Review.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Chicago Mar. 3, '03	St. Louis Feb. 20, '03	Cincinnati Feb. 24, '03	Milwaukee Feb. 28, '03	Detroit Mar. 4, '03
	A. BEAUTY, fancy—special		35.00 to 40.00	.... to 50.00	..... to 50.00	..... to 35.00	..... to 40.00
Roses	" extra		18.00 to 25.00	25.00 to 40.00	..... to 40.00	20.00 to 25.00	..... to 30.00
	" No. 1		12.00 to 15.00	10.00 to 20.00	25.00 to 35.00	12.50 to 18.00	..... to 20.00
	" Culls and Ordinary		8.00 to 10.00	4.00 to 8.00	6.00 to 8.00	6.00 to 8.00	..... to 10.00
	Queen of Edgely		..... to	..... to	..... to	..... to	..... to .....
	Bride, 'Maid, fancy—special		6.00 to 8.00	..... to 8.00	10.00 to 12.00	..... to 10.00	..... to 8.00
	" extra		5.00 to 6.00	..... to 7.00	8.00 to 10.00	..... to 6.00	..... to 7.00
	" No. 1		4.00 to 5.00	..... to 6.00	6.00 to 8.00	..... to 4.00	..... to 6.00
	" No. 2		3.00 to 4.00	4.00 to 5.00	4.00 to 6.00	..... to 3.00	..... to 5.00
	Golden Gate		5.00 to 8.00	5.00 to 8.00	4.00 to 10.00	6.00 to 8.00	4.00 to 8.00
	K. A. Victoria		..... to	4.00 to 8.00	..... to	6.00 to 10.00	..... to .....
	Liberty		8.00 to 25.00	4.00 to 8.00	4.00 to 15.00	6.00 to 10.00	..... to .....
	Meteor		4.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00
	Perle		4.00 to 8.00	4.00 to 8.00	..... to 4.00	4.00 to 6.00	4.00 to 8.00
	ORCHIDS—Cattleyas		50.00 to 60.00	..... to	..... to	..... to	..... to 50.00
	Cypripediums		..... to	..... to	..... to	..... to	..... to 25.00
Carnations	Inferior grades, all colors		1.00 to 1.50	1.50 to 2.00	..... to	..... to	..... to .....
	STANDARD VARIETIES	White	1.50 to 2.00	2.50 to 3.00	..... to 2.00	..... to 2.00	2.00 to 3.00
		Pink	1.00 to 2.00	2.50 to 3.00	1.50 to 2.00	..... to 2.00	2.00 to 3.00
		Red	1.50 to 2.00	2.50 to 3.00	1.50 to 2.00	..... to 2.00	2.00 to 3.00
		Yellow and Var.	1.50 to 2.00	2.50 to 3.00	..... to	..... to 2.00	2.00 to 3.00
	*FANCY— (*The highest grades of standard var)	White	2.00 to 3.00	..... to 4.00	3.00 to 4.00	..... to 3.00	3.00 to 5.00
		Pink	2.00 to 3.00	..... to 4.00	3.00 to 4.00	..... to 3.00	3.00 to 5.00
		Red	2.00 to 3.00	..... to 4.00	3.00 to 4.00	..... to 3.00	3.00 to 5.00
		Yellow and Var.	2.00 to 3.00	..... to 4.00	3.00 to 4.00	..... to 3.00	3.00 to 5.00
	NOVELTIES		5.00 to 8.00	..... to	..... to	..... to	..... to .....
	ADIANTUM		..... to	..... to	..... to 1.50	..... to	..... to 1.50
	ASPARAGUS		20.00 to 50.00	10.00 to 20.00	30.00 to 50.00	20.00 to 40.00	20.00 to 75.00
	CALLAS		8.00 to 10.00	10.00 to 15.00	12.00 to 15.00	10.00 to 12.50	12.50 to 15.00
	CHRYSANTHEMUMS		..... to	..... to	..... to	..... to	..... to .....
	DAFFODILS		2.00 to 3.00	..... to 4.00	4.00 to 5.00	2.00 to 3.00	3.00 to 4.00
	DAISIES		.50 to 2.00	..... to	..... to	..... to	..... to .....
	FREESIA		2.00 to 3.00	1.00 to 2.00	..... to	2.00 to 3.00	3.00 to 4.00
	GALAX LEAVES		..... to .15	..... to .15	..... to .15	..... to .20	..... to .10
	HYACINTHS		2.00 to 3.00	.... to 3.00	..... to 4.00	..... to	3.00 to 6.00
	LILIES		10.00 to 15.00	12.50 to 15.00	18.00 to 20.00	..... to	..... to 16.00
	LILY OF THE VALLEY		3.00 to 5.00	..... to 4.00	..... to 4.00	..... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary		..... to	..... to	..... to	..... to	..... to 3.00
	" Fancy		4.00 to 6.00	..... to 5.00	..... to	..... to	..... to 5.00
	NARCISSUS		2.50 to 3.00	..... to 4.00	..... to 3.00	..... to	3.00 to 4.00
	SMILAX		10.00 to 25.00	12.50 to 15.00	12.00 to 15.00	15.00 to 18.00	12.50 to 15.00
	STEVIA		..... to	..... to	..... to	..... to	..... to .....
	SWEET PEAS		.... to 1.00	1.00 to 1.50	..... to	.50 to .75	..... to .90
	TULIPS		2.50 to 5.00	3.00 to 4.00	..... to 4.00	..... to 3.00	3.00 to 6.00
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1000	3 " "	5 00
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320	5 " "	4.51
144	6 " "	3.16

		Price per crate
120	7 in. pots in crate,	$4.20
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48	9 in. pots in crate,	$3.60
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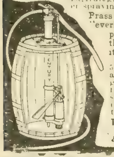

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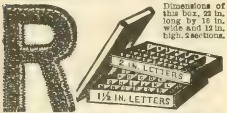

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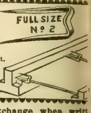

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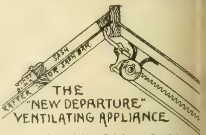

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3 ft. x 6 ft. - -	3 rows	10-inch	glass
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Clear Cypress, 1¾ inch thick, without paint or glass.

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All Heart Cypress Lumber for Greenhouses.

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A visit to the establishment of Messrs. Pankok & Schumacher, of Whitestone, L. I., will well repay any visitor who is interested in Easter plants. It is seldom that one sees such healthy clean-grown stock in such great profusion. Each of the five large greenhouses is devoted to some specialty. The first house is full of azaleas from the dwarf own root plants of Chas. Enke and Marie Louise to grand specimens of Madame Van der Cruyssen and the other leading market sorts. I also noticed a splendidly budded lot of Acacia paradoxa, Erica persoluta alba and rosea, and the beautiful Erica cupressina. The foliage of the latter variety is a brilliant vivid green and is just as attractive as the pretty shell pink blossoms. The next house contains a fine lot of Lilium longiflorum just right for Easter. Upon inquiring of Mr. Pankok if they had any diseased ones, he heaved a sigh and pointed to a pyramid of dumped plants in the yard, and said there was no space in their greenhouses for poor plants of any kind, least of all lilies. I also saw a fine lot of hydrangeas, perfectly grown, and just right for Easter. In the palm houses there was a grand stock of Rhapis humilis and flabelliformis, imported some years ago and now in perfect condition; kentias, cool grown and as clean as a whistle, and the best lot of Pandanus Veitchii it has been my pleasure to look upon in an age.

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best for all hand work. No continuous pumping. Compressed air runs it to spray ¼ acre of vines. Boy can carry and operate. All working and contact parts of brass. Long line of high grade sprayers for every purpose shown in Catalog P. It is FREE. Write at once if you want the agency.
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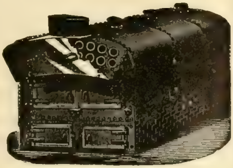

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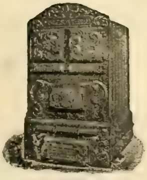

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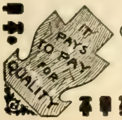
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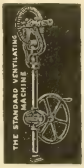

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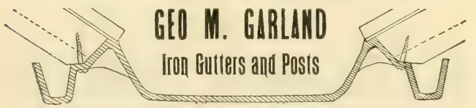

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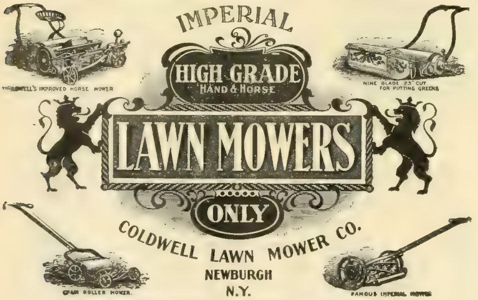

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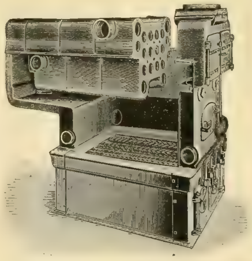

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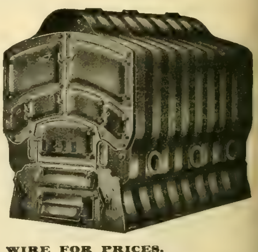

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Iron and Cypress Framed Greenhouses
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Catalogues on application.

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

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For Delivery January, 1904

Those who saw it will endorse our statement that it is, without question, the most luable New Variety shown at the Carnation Convention last week. All the leading perts agreed on its great value. We want a good scarlet carnation, and this is a great vance in this color. It is by far the largest scarlet carnation yet raised, borne on long, ong, stiff stems, and is a free and early bloomer. It will rank in quality with Mrs. Thos. Lawson, Enchantress, Prosperity, Etc. Was awarded the Lawson Silver Medal and S. A. F. Silver Medal. Scored 90 points.

There is sure to be a tremendous demand for this, and if you want to secure early livery, order should be placed without delay. Orders will be filled strictly in rotation received, so the earlier you book order, the earlier delivery we can make. Let us ve order at once while the matter is in mind.

We shall also have to offer for 1904 the following exceptionally valuable New Carnations

NELSON FISHER, MRS. M. A. PATTEN and ALBATROSS

Price of all the above, named varieties,

$12.00 per 100; $100.00 per 1000.

We offer also

EW WHITE CANNA MONT BLANC

Delivery March, 1903

This is the most valuable new variety that has been offered in years. It is an exceedingly e bloomer, producing large spikes of white flowers on strong branching spikes borne well ove the foliage. Dwarf habit—identical with Mme. Crozy in height and style of growth s great masses of snowy blossoms contrast splendidly with the crimson, pink and yellow rieties, and it will be found indispensable in all fine Canna collections. A Novelty of erling Merit.

$0.75 each; $7.50 per dozen; $50.00 per 100.

. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

OWN ROOT STOCK

NOW READY

Standard sizes
Own Roots
Grafted

Kaiserin
Carnot
Bride
Bridesmaid

$4.00 Per 100

$35.00 Per 1000

Ready for Delivery April 1.

GRAFTED

Bride and Bridesmaid

$15.00 per 100; $120 per 1000

W. H. ELLIOTT, Brighton, Mass.

SEE OUR SPECIAL ADVERTISEMENT

On Page 279 of This Number

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., Cor. Jane St., New York City
Telephone 4390 Spring

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants

B. & A. SPECIALTIES

Ask for Special Trained Fruit Tree Circular.

ENGLISH MANETTI for grafting Tea Roses, $12.00 per 1000.

ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, two years old, per 100, $12.00.

Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field-grown, extra strong, $4.00 per doz., $30.00 per 100.

ENGLISH IVIES, pot-grown $10.00, $12.00, $15.00 per 100. Specimens, $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

AZALEA MOLLIS

These are forced in large quantities in England and find ready sale Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

FRENCH FORCING LILACS, bushy, 3 4 ft., $9.00 per doz.

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000

DIELYTRA Spectabilis, Bleeding Heart: extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

		100	1000
SPIRÆA	Japonica	$4.00	$35.00
"	Compacta	4.50	40.00
"	Astilboides	5.00	45.00
"	Gladstone	8.00	

ASPARAGUS Sprengeri Seed, $2.50 per 1000.

Dahlias, 50 varieties. See catalogue.

RHODODENDRONS for forcing; all fine varieties.

Nobody can make a mistake in having a quantity of these in bloom for Easter. Your customers will ask for them.

Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

GERBERA JAMESONI The Barberton Daisy, 2½ in. pots, 20c. ea.; $2.00 per doz., $15.00 per 100.

NEW ROSE SOLEIL D'OR, strong 2-year-old plants, 35c. each; $3.50 per doz.

CANNAS, 15 leading varieties, $2.00 per 100; $15.00 per 1000.

JAPAN FERN BALLS, dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

JAPAN LILIES. See Wholesale Catalogue.

AUCUBA JAPONICA,	12-15	$2.50	per doz.
	15-18	3.50	"
" **VARIEGATA**,	18-24	5.00	"

GARDENIA VEITCHII, 6 in. pots, $6.00 a doz. 7 in. pots, $12 per doz.

PEONIES, GLADIOLUS, CALADIUMS, and other Roots and Bulbs. See Wholesale Catalogue.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford N. J

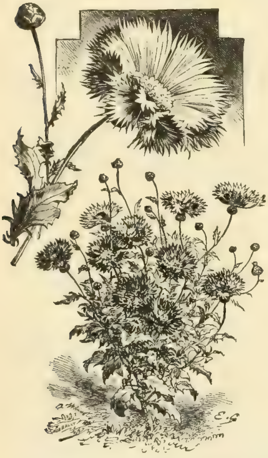
SWEET PEAS

	¼ lb.	lb.
Apple Blossom	$0 10	$0 20
Blanche Ferry	10	20
Butterfly	10	20
America	10	25
Blanche Burpee	10	25
Blanche Ferry, extra early	10	25

	¼ lb.	lb.
Boreatton	$0 10	$0 25
Countess of Radnor (true)	10	25
Emily Henderson	10	25
Firefly	10	25
Mont Blanc, finest white for forcing	30	1 00

W. ELLIOTT & SONS
NEW YORK

Mention the Florists' Exchange when writing.



ROYAL SWEET SULTANS

(Centaurea Imperialis.)

The beautiful, artistic, sweet scented flowers are borne on long, strong stems and when cut stand for a week in good condition. A splendid thing for cutting during April, May and June. Should be sown at once. We can supply in the following colors:

	Trade Pkt.	Oz.
PURE WHITE	$0.20	$0.75
DELICATE LILAC	.20	.75
BRILLIANT ROSE	.20	.75
DEEP LAVENDER	.20	.75
DARK ROSE	.20	.75
DEEP PURPLE	.20	.75
FINEST MIXED COLORS	.20	.60

There is still time to sow **Ageratums, Petunias, Lobelias, Pyrethrum, Verbenas, Vincas, etc., etc.**

Our Wholesale Price List gives a complete list; if you have not a copy we will send you one on receipt of your business card or other evidence showing that you are entitled to receive it.

DREER
714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

SPECIAL OFFER
BULBS SUMMER FLOWERING

(F. O. B., N. Y.)

BEGONIAS (Tuberous).

	100	1000
Single, separate colors	$2 25	$20 00
Double " "	5 00	40 00

Mixed, 5 per cent. cheaper.

GLOXINIAS.

	100	1000
Named kinds	4 00	35 00
Mixed	3 50	30 00

CALADIUM (Fancy-Leaved).

	Doz.	100
20 Named varieties	$1 50	$12 00

CALADIUM ESCULENTUM

Sound Center Shoots. F. O. B., N. Y.

	100	1000
5-7 inch	$2 50	$20 00
7-9 "	3 50	30 00
9-11 "	5 50	50 00

TUBEROSES.

Excelsior Dwarf Pearl, Hallock Strain.

	100	1000
Hand picked, 4-6 inch	$1 00	$9 00
Special medium, 3½-4 inch	75	6 00
" " 3-4 inch	65	5 00

SOUND BULBS.

	Doz.	100
Lilium Auratum, 7-9	$0 85	$5 50
" " 9 11	1 15	8 00
" **Rubrum,** 7-9	85	6 00
" " 9-11	1 25	8 50
" **Album,** 7-9	95	6 00
" " 9-11	1 25	8 50

GLADIOLUS.

	100	1000
Fine mixed	$0 85	$7 50
Light and White	1 50	12 50
Vaughan's Superfine Light and White, part from named	1 75	15 00
May	1 50	12 00
Augusta	4 25	38 00
Shakespeare	5 00	45 00
Brenchleyensis	75	6 00

Our Flower Seed Offer, issue of February 28, page 218, still holds good.

VAUGHAN'S SEED STORE

84 & 86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

The best in the market. Can be used 3 to 4 years, as they do not rot.

$6.00 per 1000, $27.50 for 5000.

HYACINTH STAKE

Just the stake for tying Hyacinths, Fuchsia and pot plants, 18 inches long.

Natural, $1.25 per 1000; Dyed Green, $1.75 per 10

STUMPP & WALTER CO., 50 BARCLAY S
NEW YORK.
BRANCH, 404 EAST 34TH ST.

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF
FLORISTS FLOWER SEEDS
VEGETABLE SEEDS in bulk.
Illustrated Catalogue.
WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

HIGH GRADE
FLORISTS' FLOWER SEED
OUR SPECIALTY
Catalogue upon application.
R. & J FARQUHAR & CO.
6 and 7 South Market St., Boston, Mas

Mention the Florists' Exchange when writin

New Crop Flower Seeds

ASTERS. Comet, Empress Frederick dwarf and compact, fine for pots, flowers pure white, diamer 4 to 5 inches. Pkt. 20 cts.; 3 for 50 cts.

SEMPLE'S BRANCHING, home grown white, shell pink and lavender. ¼ oz. 30 cts.; oz. 75 cts

QUEEN OF MARKET, best German, in colors ¼ oz 25 cts; oz. 75 cts

LARGE VICTORIA, best German, in colors. Pkt. 25 cts.; ¼ oz. 65 cts.; oz. $2 50.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

H. ZIJP & CO.,
LISSE, HOLLAND

Unique Offe

AS LONG AS STOCK HOLDS OUT

We have a large fine stock of

TRUE DUTCH LILIUM LONGIFLORUM,

which we offer to our Holland bulb custome at very low prices. No disease; solid flower packed with Buckwheat chaff. Early Fall d livery.

To our plant customers we reserve 15 Azalea **Mme. v. d. Cruyssen** and **Simo Mardner** (up to 16 inches), out of every hu dred ordered. Thousands of plants on hand.

Remember as long as stock holds out.

ORDER AT ONCE.

H. ZIJP & CO., Lisse, Holland

Mention the Florists' Exchange when writing

GLADIOLI

Our Motto: QUALITY FIRST
We have, however, a sufficient quantity to supply al demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

New Crop Seed, 1000, $1.00; 5000 for $3.00.

SMILAX SEED, 25c. per oz.

Hybridized Carnation Seed,

MIXED.

Seed from Mrs. Lawson, Governor Roosevelt, Governor Wolcott, Violania, Apollo and Golden Beauty, 100 Seeds, $1.00 From Standards, 100 Seeds, 25c.

CALIFORNIA CARNATION CO., Lock Box 103, **LOOMIS,** Placer Co., **CAL.**

Mention the Florists' Exchange when writing.

FRESH PALM SEEDS

	100	1000	5000
Latania Borbonica	$0.25	$2.00	$7.50
Pandanus Utilis	1.00	8.00	35.00
Phœnix tenuis and **Canariensis**	.25	2.00	7.50
KENTIA Belmoreana and **Forsteriana**	.50	3.50	15.00
Areca Lutescens April	.60	5.00	22.50
Asparagus Sprengeri	.15	1.00	3.00
" **Plumosus NANUS** the **TRUE** sort	.85	7.00	32.50

Smilax, oz., 25 cts.; lb., $2.50.

RESURRECTION PLANTS

for Easter. Extra fine, doz., 50 cts.; 100, $3.00; 1000, $25.00.

TUBEROSES, Excelsior Pearl

4x6 in. and up	100, $1.00;	1000, $8.50
3z4½ in.	" .50;	" 4.00

	12	100	1000
Begonias, tuberous, single, separate colors	$0.30	$2.25	$20.00
Begonias, tuberous, double, separate colors	.65	5.00	40.00
Fancy-leaved Caladium, Fine bulbs, choicest brilliant colored. **Brazilian named sorts**	1.25	10.00	
Caladium Esculentum, Elephant's Ear, 6x8 in	.30	2.00	17.00
8x10	.50	3.25	30.00
10x12	.75	6.00	50.00
Monster, 12 in. up	1.75	12.00	
Gladioli, American Hybrid, 60 per cent. white and light	.20	1.00	9.00
MAY, white and rose, finest early forcer	.30	2.00	18.00
All white and light	.25	1.50	12.00
Rose and pink	.20	1.25	10.00
GROFF'S finest hybrids	.50	3.00	25.00
Gloxinias, separate, white, blue, violet, red, mottled	.60	4.00	35.00
Gloxinia, mixed	.50	3.00	25.00

Come and examine our stock before buying elsewhere. Address

H. H. BERGER & CO., 47 Barclay St., New York

Mention the Florists' Exchange when writing.

ASTER SEED-- Florists' Selected Strains

	Large Trade Pkt.	Per oz.
ster Queen of the Market, mixed, three weeks earlier than other Asters.	¼ oz. 15c	50c
" Queen of the Market, white, pink, purple and crimson.	¼ oz. 15c	50c
" Semple's Branching, mixed, per lb $5.00	¼ oz. 15c	50c
" Semple's Branching, shell pink, purple, lavender, crimson and white	15c	60c
" Giant Comet, white, rose, red, yellow, light and dark blue, The Bride	25c	$1 25
" Giant Comet, florists' choice mixed.	20c	1.00
sparagus Sprengeri ... per 100 seeds, 15c.; 1000 seeds, 85c.		
ant Sweet Sultans (Centaurea Imperialis), lilac, white, deep purple or mixed	15c	50c

Richard's English Milltrack Mushroom Spawn

THE BEST BRAND IMPORTED

er brick (about 1¼ lb.), 15c.; 10 lbs. 80c.; 5 lbs., $1.50; 100 lbs. $6.00; 1000 lbs., $55.00 **MUSHROOM TREATISE** Sent with each order.

Get our prices on **Begonias, Gloxinias, Fern Balls, Cannas, Tuberoses** and **Dahlias.**

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

EARLY BIRD TOMATO

The earliest, smoothest and largest Early Tomato we ever introduced. Resists the rot and does not sunburn; wonderfully productive, of fine flavor. Every florist should have some plants in the spring for his particular and appreciative trade.

¼ oz. 50c.; ½ oz. 95c.; 1 oz. $1.75, post paid.

Florist Department,

D. LANDRETH & SONS

1217 Market St.,
PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed	$0 40	$3 00
Cobæa Scandens	30	2 50
Centaurea, Marguerite, choice mixed	50	
Centaurea, Imperialis, choice mixed	40	
" Chameleon	60	
Double Morning Glory, White Tassell	40	4 00
Eschscholtzia, The Golden West	30	3 50
Hunnemannia, Bush Eschscholtzia	30	3 50
Geranium, Good Venture, magnificent large flowers, grand mixed. Per pkt., 25c.	3 50	
Geranium, choice mixed.	2 00	
" good mixed	35	
Heliotrope, choice mixed	40	4 75
Romneya Coulteri, Matilija Poppy	50	6 50
	100 seeds.	**1000 seeds.**
Farfugium Grande	$0 50	
Geranium, double, grand mixture	50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed		25
Petunia, double fringed, choice mixed		70
Phormium Tenax, Colensoi, variegata		1 00

Mention the Florists' Exchange when writing.

$17.00 per 100

7-9 in. diameter.

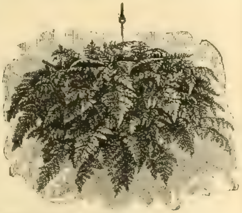
We have some overstock of

JAPANESE FERN BALLS

And for a short time we offer them at the above figure in order to reduce stock. Only immediate orders will secure this price as it will be advanced as soon as surplus is reduced.

They are as fine stock as was ever imported.

JACKSON & PERKINS CO.
Newark, New York.



Mention the Florists' Exchange when writing.

AZALEA INDICA

Well budded, 10 x 12, $35.00 per 100; 12 x 14, $45.00 per 100.
In full variety: Vervæneana, Dr. Moore, Prof. Walters, Sigismund Rucker, Schryveriana, Deutsche Perle, Bernhard Andreas alba.

AZALEA MOLLIS, extra heavy, well budded	per 100	$40 00
" **PONTICA.** " " " "	"	45 00
DEUTZIA LEMOINEI, heavy stock	"	15 00
AUCUBA JAPONICA, large plants	"	50 00
CLEMATIS JACKMANNII, extra fine, 3 years old	"	30 00
FERN BALLS, just arrived, large size	"	25 00
" " mammoth, with tin cups	"	35 00
TUBEROSES, Excelsior Pearl, mammoth	per 1000	7 50
" " " 3 x 4	"	3 00
CALADIUM ESCULENTUM, 7 x 9	per 100	2 50
CANNAS, to name and color	"	2 00
DAHLIAS, to name and color, field-grown clumps	"	10 00
LILY OF THE VALLEY, the finest in the market; from ice house	per 1000	15 00

TO ARRIVE IN THE NEAR FUTURE:

FRESH CYCAS REVOLUTA, only the long-leaved variety handled.
BAY TREES, standards, pyramids, all sizes.
BOX TREES, pyramids and standards.
CONIFERS (Evergreens) in many varieties.
RHODODENDRONS (hardy), pink, white, red and purple.
H. P. ROSES, in many of the leading varieties.
PALMS in all sizes and varieties.

Prices cheerfully given by

F. W. O. SCHMITZ, Prince Bay, N.Y.

Importer and Exporter.

Mention the Florists' Exchange when writing.

NOTICE

NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

LARGE SHADE TREES.

For Varieties and Prices see Wholesale List.

☞ Young Stock for Transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

Fern Designs for Easter or Spring

MONKEYS, with drum, swinging, all with china faces, each, 85 cts.; doz., $9.00.
TURTLES, Triangles, Parrot Rings, each, 45 cts.; doz., $5.00.
FERN BALLS, grown one year, will start into growth at once. Extra fine, 7x9 in., 100, $22.00, each, 30 cts.; doz., $3.00.
FERN WREATHS, fine, each, 25 cts.; doz., $2.50. Address

H. H. BERGER & CO., 47 Barclay St., New York

Semple's Large Flowering Asters

Michell's Select Strain

OF THE

Improved Branching Double Flowers.
Excellent for cutting.

	Tr. pkt.	Oz.		Tr. pkt.	Oz.
White	$0.30	$1.00	Pink	$0.30	$1.00
Blue	"	"	Red	"	"
Lavender	"	"	Mixed	"	"

Our New Wholesale Price List of Seeds, Plants and Bulbs is what you want. Drop us a postal.

HENRY F. MICHELL
Seed Growers and Importers
1018 Market Street
PHILADELPHIA

30,000 DAHLIAS

Whole field-grown clumps, $4 00 per 100; $36.00 per 1000. Send for list, we can save you money.

A. B. DAVIS & SON, Purcellville, Va.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST RECEIVED

Fresh Seed of

Latania Borbonica

Price, 60c. per lb., 10 lbs. for $4.50, 25 lbs. an over at 40c. per lb.

Price list of flower seeds for Florists mailed on application.

J. M. THORBURN & CO.
36 Cortlandt St. New York

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

Sugar Corn Seed

Editor Florists' Exchange:

In your issue of March 7 appeared an article to the general effect that the previously reported shortage of sugar corn for seed was not being fully confirmed. This is seriously misleading, for, on the contrary, it is the fact that large dealers in sugar corn are either sold out entirely, or short in supply, without a precedent. Some small merchant dealers have a few bushels of it, 10 or 12 to spare, but what of that? These small supplies are only a driblet toward meeting the enormous demands from the sugar corn canners, many of whom plant from 1,500 to 2,000 acres in their respective neighborhoods, and consequently must have 400 to 500 bushels each.

Where are these supplies of thousands of bushels to come from? There is a good deal of Western sugar corn in the market being sold for pig food, and it is very poor pig food at that, because it is mouldy and dangerous to feed; its vitality not being equal to 10 per cent., much of the sugar corn sold for seed being such as under ordinary circumstances would not be used at all. Its vitality is low.

D. LANDRETH & SONS.
Philadelphia.

HOLLAND BULB PROSPECTS.—The outlook for the bulb crop is not brilliant. When the bulbs were first planted, we were suddenly overtaken by a severe frost which continued for about a week. Several fields were not yet covered with reeds, and after the frost had ceased the growers stated that acres and acres of narcissus, double Von Sion, Ajax princeps, and Poeticus ornatus were considerably damaged. Several lots of hyacinths are also said to be frozen. It seems to me that very many hyacinths have bad and too few roots.

Tulips' conditions cannot be judged yet. We only know there is a shortage of good red ones and therefore the prices of Vermillion Brilliant, La Belle Alliance, Artus, Verboom, Pottebakker scarlet, Prosperine, etc., will be advanced. On Saturday, February 21, we had a heavy storm here. The soil was dry and the sand and reeds were scat-

150,000 PRIVET

AND A FULL LINE OF HARDY ORNAMENTAL STOCK.

Union County Nurseries, **HIRAM T. JONES,** **ELIZABETH, N. J.**

Mention the Florists' Exchange when writing.

---

tered everywhere. Lines of bulbs, half and whole beds of hyacinths and tulips, lay bare. There is much work to be done, and too few hands now to do it.

In the south of France the prospects of the bulb crop are very bad. Last week a syndicate of growers had a meeting at Toulon and concluded that the price of Roman hyacinths, 12-15 c.m., would be no less than $20.00 per 1,000, and that of narcissus Paper White grandiflora, 13 c.m. and over $5.00 per 1,000. Notwithstanding these prices, nobody felt inclined to sell J. B.

European Seed Notes.

With very favorable weather still continuing trade is generally very brisk, and the wholesale seedsman is having a difficult time endeavoring to fulfill the requirements for many varieties of seeds, whose yield this year has been so much under the average.

Red clover seed of all kinds keeps exceedingly strong and is at present rather scarce. The consignments of American and Canadian seed to this country being comparatively small this year, has made a considerable increase in the value of the insignificant quantities to be found in our market. Buyers of trefoil are lying low, in the hope that the present excessive prices, brought about by speculative operations, may fall. Alsyke is very dull, but white clover is specially strong. Rye grases, sainfoin, timothy, cocksfoot and lucerne maintain full prices, and Spring tares are moving more readily now at better values.

Practically the last shipments to your side have now been made, and the European seedsman is enjoying a very brisk time at home. The weather continues mild, February having established a record for bright sunshine and generally good growing weather.

The effect on all vegetable life is very remarkable, everything being many weeks ahead of the usual time. Of cabbage being grown for seed, the early varieties are so far undamaged, and continue to run freely, and the later sorts present á far better appearthan had been expected. One can hardly believe, however, that we shall escape without some very hard frosts during March, and the results will doubtless lead to shortages on many crops.

In England the exceptional weather has induced large numbers of growers to sow their earlier varieties of wrinkled peas, which means running the risk of losing all should colder times follow.

EUROPEAN SEEDS.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh seed. Direct importation. Due to arrive within ten days.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

Cushman's Hybrid Gladiolus Bulbs

At practical Living Prices.

Write for List.

CUSHMAN Gladiolus Co.,

Sylvania, Ohio.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

HOLLAND BULBS

85 acres in cultivation **Hyacinths, Tulips, Narcissus, Crocus, etc.**

C. J. SPEELMAN & SONS,
Sassenheim, Holland.

Our Mr John Speelman visits our customers from Feb. 1st till May 15th. Address all correspondence care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York City.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : : :

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JAPAN EASTER LILIES

We make a specialty of growing **JAPAN LILIES**, and have already one house in full bloom. Customers are cordially invited to inspect the stock. Take Rutherford car from Hoboken.

HINODE FLORIST CO.,
County Road, SECAUCUS, N. J.

Mention the Florists' Exchange when writing.

CANNAS 50 very fine sorts. **Dahlias**, 35 very fine sorts. **Gladioli**, very fine selected Groff's Hybrids, Lemoines, Childsii. Extra fine mixtures. Best named sorts. **Madeira Vines, Oxalis,** named sorts. **Cinnamon Vines. Peonies.** Our collection is one of the most extensive and carefully selected extant. Over 350 very finest kinds. **Geraniums, Carnations, Roses, Etc., Etc.** We aim to have the very best. Write us for prices. Everything true to name.

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Mention the Florists' Exchange when writing.

W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON MASS.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

CATALOGUES MAILED FREE

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

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"JUPITER"

NEW, GIANT-FLOWERED

Climbing Nasturtium

Golden yellow with crinkled edge. - Valuable for cutting.

Oz., 30c.; 1-4 lb., $1.00.

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Florist Dept.

1217 Market St., **PHILADELPHIA, PA.**

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PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

Mention the Florists' Exchange when writing.

DAHLIAS.

25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

The Dingee & Conard Co., West Grove, Pa.

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CHAS. F. MEYER

19 BARCLAY STREET, NEW YORK.

WHOLESALE IMPORTER OF

Lily of the Valley
Roman Hyacinths and Paper Whites
Dutch Bulbs
Bermuda and Japan Lilies
Azaleas and Palms
Nursery Stock

Azaleas from the celebrated nurseries of

The Ad. D'Haene Co., Ltd., Ghent.

15 per cent. each of the varieties Simon Mardner and Mme v. d. Cruyssen guaranteed.

MOTTO - High-Grade Quality.

Prices rock-bottom. Correspondence solicited

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MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots..........$20 00 per 100
15-18 in., " " " .... 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots ...... $20 00 per 100

LEMONS.

12-15 in , Bushy, from 4-in. pots.......$20 00 per 100
18-24 in., " " " .... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each

ROSES.

Climbing Clothilde Soupert,
Strong field grown ....$10 00 per 100

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C Paniculata, but blooms **Earlier and Lasts Longer**—
Strong plants from 3-in pots .....$8 00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in...................................$20 00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs , 3-in. pots...........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots ....$15 00 per 100
(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts ..$15 00 per 1000

CITRUS TRIFOLIATA

Best Defensive Hedge Plant Introduced.
Strong, field-grown plants, 15-20 in $8 00 per 1000
(Not less than 400 of a class at 1000 rate)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc ,

Fruitland Nurseries, Augusta Ga.

(Established in 1856)

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WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce, etc., specialties. Only house dealing exclusively in these goods. Correspondence solicited.

Archdeacon & Co., 100 Murray St., N. Y.

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Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

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EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***

Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

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HERBACEOUS PEONIES.

We offer 25 CHOICE NAMED SORTS, in nice plants, at $12.00 per 100.

List of names on application.

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KOSTER & CO.

Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

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FANCY-LEAVED

CALADIUMS

A list of 75 varieties in cultivation. Orders booked now for December delivery of bulbs. Send for list and prices.

Phrynium Variegatum, elegant variegated green and white foliage plant, valuable for bedding out, or for use as individual specimens with palms etc. Strong tubers now ready, 100, $4.

Crinums, Amaryllis and other bulbous stock in variety at low prices.

The Jessamine Gardens, JESSAMINE FLA.

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MAPLES

50,000 Straight, Smooth, Handsome Maples.

NORWAY.

	10	100
6 to 8 ft.	$2.50	$20
9 to 10 ft., 1½ to 1¾ in. cal.	3.50	30
10 to 12 ft., 1¾ to 2 in. cal...	4.50	40
12 to 14 ft., 2 to 2¼ in. cal...	7.50	60
12 to 14 ft., 2½ to 2¾ in. cal.	10.00	90

ENGLISH SYCAMORE.

	10	100
6 to 8 ft	$2.00	$18
8 to 10 ft., 1½ to 1¾ in. cal.	3.00	25
10 to 12 ft., 1¾ to 2 in. cal..	4.00	35
2 to 2½ in. cal	5 00	45
2½ to 3 in. cal...........	10.00	75

SUGAR.

	10	100
9 to 10 ft........................	$2.00	$15
10 to 12 ft., 1¼ to 1½ in. cal.	3.00	25
12 to 14 ft., 1½ to 1¾ in. cal.	4.00	35
12 to 14 ft., 1¾ to 2 in. cal...	6.00	50
12 to 14 ft., 2 to 2½ in. cal ...	10.00	75
32 to 14 ft., 2½ to 2¾ in. cal.	12.50	100

SILVER-LEAVED.

	10	100
6 to 8 ft	$1.25	$10
8 to 10 ft..........	2.00	15
10 to 12 ft., 1¾ to 2 in. cal...	3.00	25
2 to 2½ in. cal.............	4.00	35
2½ to 3 in. cal	7.50	50

Will pack in bales or boxes at cost of material and labor, or will pack in bulk in cars free of charge.

J. T. LOVETT, Little Silver, N.J.

Mention the Florists' Exchange when writing.

Nursery Department

MERICAN ASSOCIATION OF NURSERYMEN
Charles A. Ilgenfritz, Monroe, Mich., President
S. Lake, Shenandoah, Ia., Vice-President
eorge C. Seager, Rochester, N. Y., Secretary
L. Yates, Rochester, N. Y., Treasurer.

Grafting.

It is not too late to cut cions for rafting where some of this work is ontemplated this Spring. It is not so nuch in mind just now the grafting f thousands of seedlings such as nurerymen do, but rather the making of valuable tree of one that is worthss now, which change can be brought bout by grafting. On many a place is ome hedge row tree, or some cultiated one, which is not valued and hich by grafting would be transormed into one of merit. As an ilustration of what I mean, right before ne, in view from my window, is a oung apple tree, sprung up close to he fence. It is about six feet in height nd will be of no use in its present poition. It is on the list to be grafted ext month, and with Bechtel's flowring crab. Then next Autumn, or the Spring following, it will be dug up and noved to a position where the beauty f this crab may be admired.

When grafting or budding such trees s this, it is better to insert the graft, r bud, well down near where the hoots start, not on their tops. The pple spoken of has four shoots springng out at about four feet from the round. These will be cut back to bout three inches, and the cions inerted in them. This gives vigorous rowth from near the main stem, reulting in a well-shaped tree, and dong away with the chance of buds of he old kind starting out to mix with hose of the new ones.

Cut the wood for grafting now, bury t in a cool place, and graft when the uds of the apple commence to swell.

Pushing Nursery Work.

The extremely mild weather of the rst week of March has caused nurerymen to bestir themselves in the natter of planting out stock. Not so nuch can be done in the way of shiping, except in the case of southern rders, because of the uncertainty of hat is in store in the coming weeks f March. The nurseryman's own lanting is a matter of great imporance to him. Too often he has to let is planting go and give attention to he shipping of orders. He is both ise and fortunate who can do both, iz.: plant his own stock and give roper attention to his customers' orers. This is something that should e done, however, and by planning head it is quite possible to accomplish t.

Passing through a nursery in the last eek of February, I noticed that large locks of ground had been freshly lowed; and this, the first week in larch, these blocks are being filled ith trees. These trees will now make good growth this year; but had the lanting been deferred until the buds ere about to burst, they would no nore than hold their own for the first ear.

Have everything that relates to lanting planned at once; regulate the ork that there shall be a certain umber of hands employed at this opration from the commencement of the eason, and your profits will be satisactory at the close of the year.

Early Planting of Evergreens.

Because evergreens may be planted ater than deciduous trees, it has come o be considered by many that these rees are better planted late. In my xperience this is a mistake. No mater whether evergreen or deciduous, he earlier the tree is in the position t is to occupy, the better will it do. t gives a chance for the soil to settle round the roots, which is everything n the successful removal of such subects. In Europe, in the parts where Vinters permit, transplanting of all inds is concluded before the starting f the buds, and their plantings conist mainly of evergreens.

Vines for Dead Trees.

Where trees are of large size, some of the stronger growing vines, such as the grape, trumpet vine, or wistaria are the best, though the Virginia creeper should not be omitted, for its beautiful Fall colors are well worth considering, to say nothing of its graceful festooning of branches. In the case of many vines, notably the wistaria, it does not follow that they must be self-climbing, as the term is understood. Once let the wistaria get to where branches are, and it will twine around them in such a close embrace that it requires skill to remove it. It but needs support until the branches are reached, when it will find its way to the top.

Blue Hydrangeas.

I have received the following communication from W. F. Jeffrey, Bellmore, L. I.:

Among your very instructive articles in The Florists' Exchange I noticed one on blue hydrangeas, ending with the question: "Can any of our readers say why they are blue?" That is often asked here on Long Island and no entirely satisfactory answers have been given. One would say iron filings would do it; and then another would say they had tried that, and it made no difference. The most reasonable theory, and the one nearest the truth as far as my observation goes, is the one told me by an intelligent old lady friend, who says she thinks it is caused by the freezing of the dormant flower buds when exposed outside just frozen hard enough to change the color, but not spoil the bloom.

Thanking you for the many good points I have learned from your writings.

Our friend has our thanks for his kind commendation of the articles in the Nursery Department, as well as for his observations on the blue hydrangea question. But in view of the fact that indoor plants of the hydrangea will sometimes come blue, the lady's theory will hardly stand. I have in mind a lady who has two large plants in tubs, which are kept in a cellar all Winter. One of these produces flowers as blue as blue can be, the other not. Both are treated alike and, so far as known, the soil is the same in both tubs.

JOSEPH MEEHAN.

The Hon. N. H. Albaugh has been elected president of the Montgomery County (O.) Horticultural Society, to fill the vacancy caused by the death of Nicholas Ohmer. F. W. Ritter, of Dayton, is vice-president.

The Hotel Cadillac will be headquarters of the American Association of Nurserymen at the annual convention to be held in Detroit, Mich., June 10-12 next. Secretary Seager, Wilson J. Peters and J. Horace McFarland are the members of the committee on program, which will, as usual, be an interesting and instructive one.

Strawberries
Forty varieties, from $1.00 to $2.50 per 1000.
ASPARAGUS Strong one year, 50c. per 100, $2.00 per 1000. Two-year, 75c per 100; $3.00 per 1000. Varieties—Palmetto Barr's and Giant Argentina.
Also other Small Fruits, Plants, etc.
Send for Price List.
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

Native Ornamental Trees
SHRUBS AND PLANTS.
Cornus, Viburnum, Prunus Pennsylvanica and Betula Papyracea, specialties. Send for price list.
SACKETT BROS., Lebanon Springs, N. Y.
Mention the Florists' Exchange when writing.

Surplus Nursery Stock
Apple, Peach,
Norway Maple, Irish Juniper,
Abundance, Hale Plum.
Address
C. L. LONGSDORF, Adams County, Floradale, Pa.
Mention the Florists' Exchange when writing.

COLORADO BLUE SPRUCE
Exquisite in form and Color. Transplanted.
Bluest specimens, 3 to 4 feet.......... $2.00 each | Green specimens, 3 to 4 feet..........40 cts. each
" " 2 to 3 " .... 1.00 " | " " 2 to 3 " ....[illegible] "
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.
Mention the Florists' Exchange when writing.

Ligustrum Regelianum
(Prostrate Privet)
A variety of merit. Much hardier than California. Largest Stock in America.
All Sizes. Transplanted.
ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.
Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET
At Reduced Prices.
STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.
Mention the Florists' Exchange when writing.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000
CHARLES LENKER, FREEPORT, L. I., N. Y.
Mention the Florists' Exchange when writing.

SUGAR MAPLES 10 ft., 1½ inch caliper, $20.00 per 100.
Wickson Plum, fruiting size, $25.00 per 100
Abundance, Burbank, and other varieties, ¾ grade and up, $15.00 per 100.
New Ward Blackberry, $5.00 per 100. All F.O.B.
One Year Palmetto Asparagus, $2.00 per 1000.
D. BAIRD, BAIRD, N. J.
Mention the Florists' Exchange when writing.

DEATH OF S. CRANE, FORMER OWNER.
Forced Sale of NURSERY STOCK
Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.
NORWICH NURSERIES,
O. E. RYTHER, Propr. NORWICH, CONN.
E. G.—Norway Maples, 12 ft., $25.00 per 100.
Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
Hardy, Fancy Ornamental Nursery Stock
J. BLAAUW & CO.
BOSKOOP, HOLLAND.
Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain
Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES
South Braintree, Mass.
ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.
Field-grown only. Send for Catalogue.
Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
Continental Nurseries, Rochester, N. Y.
Mention the Florists' Exchange when writing.

TREES. TREES.
Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.
Wm. J. Chinnick, Trenton, N. J.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.
JUST RECEIVED FROM OUR HOLLAND NURSERIES:
Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

VEGETABLE PLANTS
CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.
LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.
TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100, $1.00 per 1000. Earliana and Panderosa, 30c. per 100, $2.00 per 1000.
BEET Eclipse, Crosby's and Egyptian, 20c. per 100; $1.25 per 1000.
PARSLEY 40c. per 100.
If wanted by mail add 10c. per 100.
Send for price list. See our Flower Plant Ad. in this issue. Cash With Order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

HOLLAND
NURSERY STOCK
ENDTZ, VAN NES & CO.,
Boskoop, Holland
Beg to announce to the Trade that their Mr. Endtz will be in the United States from March 17 until May 6. Please address all communications care of
Messrs. MALTUS & WARE
136 Water Street, New York.
Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

Our stock is larger and finer than ever before, we can supply standard varieties, including 10 per cent. Mme. Van der Cruyssen. **Do not delay ordering, the sooner the plants are shipped the less danger to the buds.**

Fine bushy crowns, inches in diameter	Per doz.	Per 100
10 to 12	$5 00	$40 00
12 to 14	6 00	50 00
13 to 15	9 00	70 00
16 to 18	15 00	
18 to 20	30 00	
20 to 24	42 00	

PALMS

Areca Lutescens.

	Inch high.	Per doz.	Per 100	Per 1000
2-in. pots, 1 plant in pot	6 to 8	$0 75	$6 00	$40 00
3 " 2 "	12 to 45	1 25	10 00	70 00
4 " 3 "	15 to 18	2 50	20 00	175 00
5 " 3 "	18 to 24	5 00	40 00	350 00
6 " 5 to 6 "	22 to 24	9 00	75 00	
6 " 3 "	28 to 30	12 00	100 00	

Kentia Forsteriana.

Pots	Leaves	High	Per doz.	Per 100	Per 1000
2¼-in. pots	4 leaves	8 to 10 in. high	$1 25 per doz.	$10 00 per 100	$90 00 per 1000
3 "	5 "	12 to 15 "	2 00 "	15 00 "	140 00 "
4 "	5 to 6 "	15 to 18 "	4 50 "	35 00 "	
6 "	6 "	30 "	1 25 each, $15 00 per dozen.		
6 "	6 "	30 to 36 "	1 50 "	18 00 "	
7 "	6 "	30 to 36 "	2 00 "	24 00 "	
8 "	6 "	42 "	2 50 "	30 00 "	
8 "	6 "	48 to 52 "	4 00 "	48 00 "	
9 "	6 to 7 "	52 to 54 "	5 00 "		
9 "	6 to 7 "	54 to 58 "	7 50 "		
10 "	6 to 7 "	60 "	10 00 "		
10 "	6 to 7 "	72 "	12 50 "		
12 in. tubs,	7 "	7 to 8 feet high	25 00 "		

FERNS

For Fern Dishes.

FOR IMMEDIATE USE.

	Per 100	Per 1000
2-inch pots, assorted varieties	$3 00	$25 00
3 " " " "	6 00	

LATANIA BORBONICA.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2¼			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

PHŒNIX CANARIENSIS.

11-inch tubs, 3½ to 4 feet high, bushy and shapely, $5 00 each.

11-inch tubs, 4 to 4½ feet high, bushy and shapely, $6.00.

KENTIA BELMOREANA.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2¼	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	

In. pots.	Leaves.	In. high.	Each.	Per doz.
6	6	26 to 28	$1 25	$15 00
6	6 to 7	28 to 30	1 50	18 00
7	6 to 7	30 to 32	2 00	24 00

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz., $3.00
6 in. "	" 5.00
6 in. " strong	" 6.00

FERN BALLS

Furnished with leaves .... per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties .... per 100, $4.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

AZALEAS for EASTER

All the best forcing varieties, with good proportion of Mme. Van der Cruyssen and Simon Mardner. 12 to 14 in. crowns, $45.00 per 100. 14 to 16 in. crowns, $60.00 per 100. A quantity of fine bushy specimens, Mme Van der Cruyssen, Niobe, Simon Mardner, etc., with 16 to 18 in. crowns, $15.00 per doz.

FICUS ELASTICA (True Belgian Variety).

5 and 6 in. pots, 18 to 20 in. high	$30.00 per 100
4 in. pots, 10 to 12 in. high	20.00 " "
3 in. pots	15.00 " "

KENTIA BELMOREANA.

	Per 100	Per 1000
2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS

Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties).

$2.00 per 100. $15.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

20,000 All Pot-Grown

We quote you fine BOSTON FERNS.

2½ in.	$4.00 per 100.	6 in.	$40.00 per 100
3 in.	8.00 "	7 in.	60.00 "
4 in.	15.00 "	8 in.	100.00 "
5 in.	25.00 "	10 in., $1.50, $2 & $2.50 ea.	

GEO. A. KUHL, Pekin, Ill.

Mention the Florists' Exchange when writing.

FERNS and GERANIUMS.

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Geraniums. John Doyle, Double Gen. Grant, Glorie de France, Alphonse Ricard, Beaute Poitevine, $2.50 per 100. Assorted, our selection, $2.00 per 100.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

FERNS.

Best vars. from 2½ and 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 100.

BOUGAINVILLEA, from 4 in., $2.00; from 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fine, $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurtu, in bloom, and **BEGONIA APPLE BLOSSOM**, in bloom, from 2½ in. pots, $2,50 per 100.

JNO. G. EISELE, Philadelphia, Pa.
20th and Ontario Streets.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following:

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

Seasonable Stock

	Per doz.	100
AZALEAS FOR EASTER, plants 12 in. in diameter, in 15 of the leading sorts, all colors	$4.00	$30.00
Azalea Mollis, well set with buds.	3.50	
Alyssum, Giant, double flowered	.30	2.00
Asparagus Sprengeri, 3 in. pots, fine	.75	5.00
" " 2 in. pots	.40	2.50
" **Plumosus Nanus,** 3 in. pots, fine	.75	3.00
" **Plumosus Nanus,** 2 in. pots	.50	3.00
" **Comorensis,** stronger grower than Plumosus, 2 in. pots	.50	3.00
Achillea, the Pearl	.40	2.50
Ampelopsis Veitchii, strong, 4 to 5 ft.	1.25	10.00
Ampelopsis Veitchii, 2 in. pots	.40	3.00
Araucaria Excelsa, 4 tiers	9.00	
Abutilons, 6 best sorts	.40	2.50
Ageratum, Stella Gurney, Princess Pauline, and dwarf white	.40	2.50
Althea, double white, rose and variegated, 12 to 18 in.	.50	4.00
Anemone, Whirlwind	.40	3.00
" Queen Charlotte, new	.60	4.00
Begonias, flowering, 10 sorts.	.50	3.00
Bougainvillea Sanderiana, 2½ in. pots	.75	5.00
Calycanthus Floridus, 12 to 18	.50	4.00
Chrysanthemums, all the leading sorts, including Appleton, Eaton, etc.	.40	3.00
CANNAS, all our Cannas are plants from pots, ready to move right off. Egandale, Mad. Crozy, Florence Vaughan, Mad. Berat, Souv. de Antoine Crozy, Paul Marquand, Chas. Henderson, Philadelphia, Duke of Marlborough, Pres. McKinley, Queen Charlotte	.50	3.00
Cuphea Llavea	.40	2.50
Cyperus, Umbrella Plant	.40	2.50
CLEMATIS, 2-year imported, pot-grown, better in every way than field-grown roots, including Jackmanni, Duch. of Edinburgh, Henryii, Kermesinus Rubra, and Sieboldii	3.50	25.00
Camellia Japonica, in fine assortment, 2 ft.	6.50	50.0
Crotons, in 15 best sorts, 2½ in. pots	.50	3.0
Calla Ethiopica, good bulbs	.50	4.0
" Nana Compacta, dwarf, fine bloomers.	.50	4.0
Deutzias, 3 sorts, 12 to 18 in.	.50	4.0
Daisies, Paris or Marguerite, white and yellow	.40	3.0
Ficus Elastica, Rubber trees, 12 in	3.00	20.0
" " " " 18 to 24 in.	4.00	25.0
Fuchsias, in all the leading kinds, both double and single, fine, young stock	.50	3.0
Hydrangea, Otaksa and Thomas Hogg, 2½ in. pots	.50	3.5
Hoya Carnosa, Wax Plants, 3 in. pots	.75	6.0
Honeysuckles, 4 leading varieties	.50	3.0
Hibiscus, 12 leading varieties.	.50	3.0
Justicias, fine plants	.50	3.0
Jasmines, 6 sorts	.50	3.0
Lily of the Valley, fine pips, $1.00 per 100; $9 00 per 1000.		
LEMON, PONDEROSA, has Ponderous fruit; any one can bloom and fruit it. It blooms in large clusters, the individual flowers as large as a Tuberose. It is the best selling plant we have and we recommend all florists to grow it. 2½ in. pots	.50	3.0
4 to 5 in. pots.	1.50	12.0
Plants 4 ft. high, 50 cts. each.		
Lantanas, dwarf bedders	.50	3.0
" Weeping	.40	2.5
Lilacs, white and purple, 15 in	.50	4.0
MOON VINES, blue and white. Now is the time to buy. Don't put it off until you cannot find them. We have 50,000	.50	3.0
Matrimony Vine ....$27.50 per 1000		
Oleanders, all colors	.50	3.0
Privet, California, 18 in., $30.00 per 1000	.50	3.5
Primulas, Chinese, 2½ in. pots	.50	3.0
" Obconica, " "	.50	3.0
Pyrus Japonica, Japan Quince, 15 inches	.50	4.0
YOUNG PALMS FOR GROWING ON. From 2 in. pots. Fine stock.		
Phœnix Reclinata	.50	3.0
Phœnix Canariensis	.50	3.0
Latania Borbonica	.50	3.0
Corypha Australis	.50	3.0
Chamerops Excelsa	.50	3.0
Thrinax Barbadensis	.50	3.0
Areca Lutescens	.50	3.5
Philadelphus Grandiflora, 18 in.	.50	4.0
Rhyncospermum Jasminioides.	.50	3.5
Rudbeckia, Golden Glow	.50	3.0
Rhododendrons, 2 feet, well set with buds	10.00	
ROSES, Hermosa, 4 in. pots	1.00	8.0
" Soupert, 4 in. pots.	1.25	10.0
" " 5 in. "	1.50	12.0
ROSES, from 2½ in pots.		
Hermosa	.50	3.0
Clothilde Soupert	.50	3.0
Climbing Soupert	.60	4.0
Gruss an Teplitz	.50	3.0
Ivory	.60	3.0
Maman Cochet	.50	3.0
White Maman Cochet	.50	3.0
Solanum Azureum, Blue Solanum.	.50	3.5
Salvias, all the best bedders	.40	2.5
Smilax, 2 in. pots	.30	2.0
Spiræas, Van Houttei and Prunifolia	.50	4.0
" Anthony Waterer, 2½ in. pots	.50	3.0
" Caryopteris, Blue Spiræa	.50	3.0
Sage, Holt's Mammoth.	.40	2.5
Tritoma Pfitzeri, new everblooming	1.00	8.0
Vinca Variegata, 3 in. pots.	.75	6.0
" " 2 in. "	.30	2.1
Viburnum Opulus, Snowball, 15 in.	.50	4.0
" Plicatum, Japanese Snowball, 15 in.	1.25	10.0
Violets, in best sorts, double and single	.50	3.
Weigelas, in best sorts, 12 to 18 ins.	.50	4.0

Wholesale Catalogue of everything in the ROSE an
PLANT LINE now ready.

THE GOOD & REESE CO
Springfield, Ohio.
The Largest Rose Growers in the World

DON'T POTTER WITH SCRAPS

When You Can Buy Picked and Selected Bulbs at HEADQUARTERS in the Quantities and Varieties You Need for Less.

Without doubt **WE HANDLE GREATER QUANTITIES** of Spring bulbous stock than any other house, aiming to supply choicest quality at owest possible price and invite comparison.

Cannas

Large, dormant pieces, like those shown in cut, with many eyes: MME. CROZY, PAUL MARQUANT, BURBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, FLORENCE VAUGHAN, ITALIA, QUEEN CHARLOTTE, FLAMINGO, AUSTRIA, ALSACE, SHENANDOAH (bronze foliage). 30 cts. per doz.; $2.00 per 100; $15.00 per 1000.

SPECIAL PRICE ON LARGER QUANTITIES.

DAHLIAS LARGE FIELD ROOTS.

	100	1000
Named Varieties: Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35.00
Separate Colors: Pink, red, striped, yellow or white	4.50	40.00

FERN BALLS

These Should be Started Now for Christmas Trade.

Very Large, with tin cup in center .... $25.00 per 100
Large, 7 to 9 inches in circumference, $17.00 per 100, or case of 250 for $40.00
Small, 5 to 7 inches for mailing, $13.00 per 100, or case of 500 for $60.00.

The above is a Photo-Engraving of the Canna Roots we send out

TUBEROSES All Sound and Selected Bulbs.

Hand Picked and Selected, 900 in a barrel, 4 to 6 inches, $7.75 per bbl.; $1.00 per 100
Hand Picked and Selected, 1400 in a barrel, 4 inches $7.50 per bbl.; 75c. per 100.
Hand Picked and Selected, Monsters, 600 in a barrel, 6 to 8 inches, $9.00 per bbl., $1.75 per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS.)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz	15.00	

GLADIOLUS

All Selected Bulbs. Florists' should observe the fact that many of the so-called new and improved Hybrids are not suitable for market purposes, being of a flimsy texture will not stand any length of time cut like the Standard Gandavensis varieties, named below

	100	1000
American Mixed, many whites	$1.00	$8.50
Very Fine Mixed	.75	6.50
Second Size Mixed	.65	5.00
Augusta, pure white	4.50	40.00
May, Daybreak color	2.50	20.00
Shakespeare, white and rose	5.50	50.00
White and Light, best	2.00	18.00

BEGONIAS TUBEROUS-ROOTED.

Very Large Bulbs.	100	1000
SINGLE, Separate Colors	$2.25	$20.00
" Mixed Colors	2.00	18.50
DOUBLE, Separate Colors	5.00	40.00
" Mixed Colors	4.00	35.00

GLOXINIAS, Mixed Per 100, $3.50, per 1000, $30.00

HYACINTHUS Candicans Per 100, $1.50, per 1000, $12.50.

For all other varieties of Spring Planting Stock, get our CATALOGUE just published.

CLUCAS & BODDINGTON CO.

Telephode, 4390 SPRING.

812-814 GREENWICH STREET, cor. Jane St., NEW YORK CITY

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

New York.

Express Rates.

Last December, while the florist was struggling hard to obtain coal to keep his greenhouses warm, the express companies added materially to his misfortune by raising the rates for the conveyance of cut flowers. The express people had no plausible reason for advancing the rates; at least, they did not give any when asked; but now that the old rate has been restored it appears to us that the express tariff regulator is a very far-seeing mortal, and that there was method in his madness.

It no doubt became evident to said tariff regulator last Fall that the quantity of flowers being shipped was much less than usual; and, upon investigating the matter, he learned that the florists were unable to get a sufficient supply of coal, hence the reduced crops of flowers. Then, with much wisdom and forethought, it was decided that, as the Winter shipments of flowers were likely to be reduced on account of the lessened coal supply, the earnings of the express companies from that source would be curtailed also; and in order to avoid such an unusual condition of affairs, the cost of carrying was increased enough, so that even if the amount of business done should be much less than in other years, the earnings of the express companies would be the same, or better. Now that the florist is no longer so dependent on the coal, and his shipments will reach the normal, the companies are willing to carry his stock at the old figure. At least, that is what we may infer from the lowering of the rates at this time. For all of which we are truly thankful.

News of the Week.

The New York Market Florists' Association held a meeting on Tuesday evening last, in the rooms, corner Canal and West streets, to see what could be done about a market for the coming Spring. H. B. Daly was elected secretary of the association. As the old Clinton market is considered uninhabitable, efforts are making toward finding more suitable quarters. Tompkins Market, near Cooper Union, was reported as too small for the purpose, and another meeting is to be held during the coming week to further discuss the question. The date of the next meeting has not yet been fixed.

William Elliott & Sons opened their Spring auction sales on Tuesday, under most favorable circumstances. Usually the first sales of the season are but sparsely attended, but this year there was a fair attendance, and among them were many bidders. The stock offered consisted chiefly of imported roses, rhododendrons, decorative nursery stock and bulbs and roots. The Friday following another sale of similar material was held, and from now on to the close of the season two sales a week will be the order.

Eugene Dailledouze is on an eastern trip, looking over the carnation industry, and incidentally having a peep at some of the new varieties in that section of the country.

George Cook, the landscape gardener, is back from Europe, where he had been spending a few months.

H. B. McKnight will have charge of the plant department in the store of Simpson, Crawford & Co., Twentieth street and Sixth avenue.

R. O'Mara had the misfortune to sprain his foot on Monday, and, as a consequence, is still confined to his home.

The business of Kohl & Soutendam, formerly caried on at 1221 Third avenue, Brooklyn, N. Y., will now be conducted by Mr. Soutendam—Mr. Kohl having withdrawn from the firm—at 1235 Third avenue.

E. Sanders, who has been in the employ of J. H. Small & Sons for several months, has returned to his home in St. Louis. Mr. Sanders came to the metropolis to gain some experience in New York's floral methods, and feels that he has been well repaid by doing so. He speaks with great praise of J. H. Small & Sons' stores, and of the generous treatment and the opportunities offered for gaining the knowledge he sought.

M. A. Hart has opened a retail store at Eighty-second street and Lexington avenue.

Visitors in town this week included C. Scrim, Ottawa, Canada; A. W. Smith, Pittsburg, Pa., and Leonard Vaughan, Ithaca, N. Y.

Philadelphia.

Express Rates

Much gratification is felt this week over the express companies reducing the rate on cut flowers. The change was made on the 10th inst., the extra rate having been in effect just three months.

There is a fair amount of work going on among the retail stores, but such large quantities of flowers are arriving that the market is in poor shape. S. S. Pennock last week received over 300,000 violets, and was fortunate enough to have an order on file for 5,000 doubles daily at a good price. He also filled an order for 400 long-stemmed American Beauty roses on Monday last.

Eugene Bernheimer filled an order for 10,000 single violets a few days ago.

The building boom is still increasing. E. A. Stroud, of Overbrook, Pa., has purchased a tract of land at Strafford, Pa., and will build three houses for carnations, each house to be 30x300 feet.

Don't forget the combined exhibition of the Pennsylvania Horticultural Society and the American Rose Society on the 24th, 25th and 26th inst. Several entries have already been received.

DAVID RUST.

Louisville, Ky.

News Notes.

W. J. Schulz, son of Jacob Schulz, who for some time has been with Walker & McLean, Youngstown, O., returned home Saturday seriously ill with typhoid fever. Fred L. Schulz, a brother, who is also employed by the same firm, returned with him.

Herbert Walker, of F. Walker & Co., and Mr. Wm. Mann, who have been indisposed for some time, are again attending to business regularly.

The Kentucky Society of Florists held its March meeting at the store of Jacob Schulz. Only routine business was transacted. A suggestion from the State Vice-President of the S. A. F. that the Kentucky Society, as a body, take some action regarding the exorbitant express rates, was not acted upon, some of the growers even saying that the rates that especially hurt the retailers would be for their (the growers) benefit. Only a little more American push is needed by them.

A. R. B.

Springfield, Mass.

The Hampden County Horticultural Society held its annual meeting March 10 in W. F. Gale's office in City Hall, and re-elected the old board of offices as follows: President, Jacob C. Lutz; first vice-president, Adolph Miellez; second vice-president, Joel H. Hendrick; third vice-president, Louis D. Robinson; treasurer, J. Stuart Kirkham; secretary, William F. Gale. The Massachusetts Forestry Association will meet in this city April 8, holding morning and afternoon sessions in the Art Museum building. It is expected that over 100 delegates will be present from all parts of the State. One of the features of the program will be a demonstration of practical spraying of trees by City Forester Gale.

Spring

EDITION

March 28

YELLOW EATON

I have some fine healthy stock of this valuable variety at 50c. each; $5.00 per doz.; $30.00 per 100.

2,000 AMERICAN BEAUTY PLANTS

ON OWN ROOTS. IN FINE CONDITION. READY TO SHIP.

LILY OF THE VALLEY PIPS

READY FOR PLANTING. One year old, $1.50 per 1000; two years old, $4.00 per 1000.

Fine, healthy Rooted Cuttings of **CHRYSANTHEMUMS** in leading varieties.

SEND FOR PRICE LIST. **A. N. PIERSON, Cromwell, Conn.**

Mention the Florists' Exchange when writing.

DON'T TRAIL BEHIND THE PROCESSION

Get up in the front ranks by Growing

"ESTELLE" The Money Maker

Earliest Fancy White **CHRYSANTHEMUM,** produces blooms double the size of old varieties. Commands top price. First-class shipper. Makes an ideal pot plant. Offered cheaper than any other new varieties.

DON'T DELAY! MY LAST PROPAGATION.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

H. M. ALTICK, - - - DAYTON, OHIO.

Mention the Florists' Exchange when writing.

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each. $7.50 per Dozen; $50.00 per 100. Stock limited.

GREAT REDUCTION

To reduce surplus **25 per cent. Discount** off the prices in the following list of **CANNAS. This offer good for a short time only.**

PINK SHADES.

		Per 100
Louise		$8.00
Betsy Ross		8.00
Luray		3.00
Martha Washington		4.00
Improved Duchess of Marlborough		3.00
Shenandoah, bronze leaf		3.00
Eastern Beauty, bronze leaf		8.00
Mlle. Berat		3 00
Pink Ehmanii		2.50

RED SHADES.

Brandywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		8.00
Cherokee, new		6.00
Black Prince		4.00
Blazing Torch		3.00
Olympia	$25.00 per 1000,	3.00
Philadelphia	25.00 "	3 00
Duke of Marlborough	25.00 "	3.00
Pillar of Fire		5.00
Egandale		3 00
Pennsylvania, orchid flowering, $100.00 per 1000		10.00
Pres. McKinley		3.00
Pres. Cleveland		3.00
Chas. Henderson		2.50

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$8.00
Queen of Holland		6.00
Evolution		8.00
California		4.00
Coronet		4.00
Primrose		2.50
Duchess of York		4.00
Florence Vaughan	$25.00 per 1000;	3.00
Comte de Bouchard		4.00
Austria		2 50
Burbank		3.00
James Wood		4.00

VARIEGATED SHADES.

Duke of York, a new Canna with very large flowers and most striking appearance		10.00
Niagara		8.00
Augusta		4.00
Gloriosa		8.00
Mme. Crozy	$25.00 per 1000;	3.00
Queen Charlotte		3.00
Souv. d'Antoine Crozy		3.00
Allemania	$25 00 per 1000;	3.00
Italia	25 00 "	3.00
Alsace, creamy white	25.00 "	3.00

EXTRA MIXED CANNAS, $1.25 per 100; $10.00 per 1000.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2¼ in., **$12.00** per 100; **$100.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. One-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30.00 per** 100. Two-year field plants, 3 to 3½ ft., **Bushy, $7.00** per doz ; **$50.00** per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

Robusta Canna

EXTRA STRONG DORMANT ROOTS.

$2.00 per 100; $15.00 per 1000.

See our other ads. in this issue.

R. VINCENT, Jr., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

SHAMROCK

Strong and fine plants. just right for St. Patrick's Day. $4 00 per 100; or 60 cts. per doz. by mail.

AGERATUMS, "Pauline" and "Gurney," strong and bushy, ready for 3 in., $2.00 per 100.

CHINESE PRIMROSE SEED. Finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEEDS, FINEST GIANTS. Best large flowering, critically selected, mixed, 5000 seeds, $1.00; ½ pkt., 50 cts.

CASH. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

CINERARIAS

Dwarf and semi-dwarf Giant-flowered. Fine stocky plants, from 2½ in. pots, $2.50 per 100; 3 in. pots, $4.00 per 100. All of them ready for 5 inch; will make fine selling plants for Easter.

CANNAS (Dormant) Strong tubers, Mme. rozy, Austria, Henderson, Bouvier, P. Marquandt, Burbank, Black Prinz, 'Alba rosea, etc. $1.50 per 100; $12.00 per 1000. Cash, please.

Shellroad Greenhouses, Grange P.O. **Baltimore, Md.**

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbena, new mammoth	$0 40	$3 00
Asters, Early Market	0 35	2 50
Candytuft, Empress	0 30	2 00
Alyssum, Little Gem	0 30	2 00
Daisies, Bellis, large plants	0 35	2 00

Cinerarias, finest, in bud, 4 in., $1.00 per doz.; $6.00 per 100.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
20 varieties	$0.50	$5.00
C. Verschaffeltii and G. Bedder	.60	6.00
Fuchsias, 25 varieties	1.00	10.00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1.00	
Giant Double Sweet Alyssum	.60	
Ageratums, P. Pauline and S. Gurney.	.60	
Vinca Variegata	1.00	
Alternanthera, A. Nana	.60	5.00
Fuchsias, 2 in. pots	2.00	
Geraniums, Mme. Salleroi, 2 in. pots	2.50	

Geraniums, S. A. Nutt, Portevine, Viaud, Harrison, Pasteur, Perkins, Harcourt and others, 2 in. pots, $2.50 per 100. $20.00 per 1000. 3 in. pots, $3.50 per 100; $30.00 per 1000.

Vinca Variegata, 2 in. pots, $2.00 per 100; 3 in. pots, $4.00 per 100: 4 in. pots, $6.00 to $8.00 per 100.

Cannas, Queen Charlotte, Crozy, Marlborough, F. Vaughan, Henderson, Burbank, Cabos and others, 2 to 3 eyes, $15 00 per 1000; $1 50 per 100.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N.Y.

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

THE GREAT SHASTA DAISY

50 cts. per doz.; $2.50 per 100, delivered.

SPOTTED CALLA Fine bulbs, $2.00 per 100 here.

S. J. GALLOWAY, Eaton, Ohio.

Mention the Florists' Exchange when writing.

SPECIAL

Verbena Giant. 10 kinds, R. C., 50 cts. per 100; $4.50 per 1000. 2 inch, $2.00 per 100.

ALTERNANTHERAS, red and yellow, Rooted Cuttings, 60 cts. per 100.

ALYSSUM, DOUBLE, 2 in., 2 cts.

SALVIAS, 4 vars., R. C., 75c. per 100.

AGERATUM, 5 kinds, R. C., 60c. per 100.

STEVIA SERRATA, R. C., 75c. per 100.

COLEUS, 10 bedders, R. C., 60c. per 100.

PETUNIAS, double, 15 fine sorts, R. C., $1.25 per 100; 2 in., 2 cts.

MOONVINES, strong, 2 in., 3 cts.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2.00 per 100; $13.00 per 1000. My selection; $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

Geraniums. Double Gen. Grant, Bruantii, Alphonse Ricard, Mme. Thibaut, Beaute Poitevine, Frances Perkins, S. A. Nutt, La Favorite, L. Kelway, etc. Extra strong, well-grown plants, from 2½ in. pots, $2 50 per 100; $22.50 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

Double Petunias

	100
A superb collection of 50 varieties, R. C., by mail, not less than 5 of each variety	$1 25
PETUNIA GRANDIFLORA, single, 20 vars	1 25
HELIOTROPE, 15 vars., from soil	1 00
ABUTILON, 6 vars., including Savetzii	1 50
STROBILANTHES DYERIANUS, R. C.	$1 25 and 1 50
GAZANIA SPLENDENS, R. C.	1 50
SALVIA, 6 vars	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars., including Stella Gurney	75
MOON VINES, Smith's Hybrid Seedling. This variety is the largest flower and the purest white	2 00
DRACÆNAS INDIVISA and AUSTRALIS, 15 to 18 in.; 3 in	5 00
PILEA MUSCOSA, Artillery Plant	1 00
SWAINSONA GALE, alba and rosea	1 25
FLOWERING BEGONIAS, 8 vars	1 50
PRIMULA FORBESII. Baby Primrose, 3-in., in full bloom	3 00
VINCA VARIEGATA, 4 in., 12 to 15	5 00
PETUNIAS, double and single, 3 in., fine bushy plants	3 00

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

OSE PLANTS

low Ready at ROSE LAWN GREENHOUSES.

nerican Beauty, from 2 in. pots, $6.00 per $50.00 per 1000. **Kaiserin**, from 2 in. pots, per 100; $30.00 per 1000. **Golden Gate**, 2 in. $3.00 per 100. **Ivory**, $4.00 per 100. **Helen** ild, $6.00 per 100. **Mrs. Oliver Ames.**

Cash must accompany order.

ENRY BARTRAM, Box 5, LANDSDOWNE, PA.

Telephone 45L.

tion the Florists' Exchange when writing.

ES, CARNATIONS, GERANIUMS, CANNAS AND MISCELLANEOUS PLANTS

Line of two-year-old Roses at $9.00 per 100.

rbank Cannas dormant roots, 2 to 3 eyes. $1.00 per 100; $7.00 per 1000.

Write for our new list. Cash please.

TIONAL PLANT CO., Dayton, O.

tion the Florists' Exchange when writing.

OSE PLANTS

From 2½ inch pots, extra strong.

	Per 100	Per 1000
desmaid	$3 00	$25 00
de	3 00	25 00
den Gate	3 00	25 00
ry	5 00	40 00
(from 3 inch pots)	8 00	

EO. W. WATERFIELD

Chestnut Hill, Philadelphia, Pa.

tion the Florists' Exchange when writing.

NSIES WORTH RAISING

more plants until they can be dug in the field.

HR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

tion the Florists' Exchange when writing.

IANT PANSIES

(ROEMER'S).

plants, coming in bud. 100,000 wintered over.

AISIES Snowball, Giant, $2.50 per 1000; $11.00 per 5000. CASH.

ER BROS., Chambersburg, Pa.

tion the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

rong, fine stocky plants, in mixed colors, by l, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. ge transplanted plants, in bud and bloom, $1.25 100; $10.00 per 1000.

CASH WITH ORDER.

ETER BROWN, Lancaster, Pa.

ntion the Florists' Exchange when writing.

PANSIES

THE JENNINGS STRAIN.

nall plants, $4.00 per 1000. Large plants, ready bloom, $1.00 per 100; $8.00 per 1000. Seed, $1.00 pkt.; $5.00 per oz. Cash with order.

B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of the Finest Pansies.

ntion the Florists' Exchange when writing.

PANSIES.

nest strain in the world; captured first prize at ndon Horticultural Show for its exquisite brilncy of color and large flowers.

cents per 100; extra large transplanted plants 0 per 1000.

lammoth Verbenas, composed of twelve of best varieties; rooted cuttings 75 cents per 100; 0 per 1000.

(All the above express prepaid.)

UTICA FLORAL CO., Utica, N. Y.

ntion the Florists' Exchange when writing.

NSIES Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Casr and Odier prize strains, 60c. per 100; $4.00 per 0. Extra large plants, coming in bud, $1.60 per . Verbenas, R. C., 60c. per 100; $5.00 per 1000. uble White Daisies, large plants, 60c. per 100; 0 per 1000. Dwarf Blue Lobelia, R. C., $1.00 r 100; $8.00 per 1000. Asparagus, from flats, ready potting: Sprengeri, $1.00 per 100; $7.00 per 1000. clamen, from flats, $2.00 per 100; $15.00 per 1000; in. pots, $3 per 100; 3 in., $4 per 100. S. Alyssum, C., 75c. per 100. Terms, cash. **Hill Top Greenhouses**, 15-16 Gray Ave., **Utica, N. Y.**

ntion the Florists' Exchange when writing.

CLEMATIS PANICULATA

3-year-old, field-grown plants, $12.00 per 100.

SPARAGUS SPRENGERI

xtra strong, 2½ in., $2.50 per 100; $20.00 per 1000.

The Springfield Floral Co.,

organization of Jno. A. Doyle & Co. Springfield, O.

ntion the Florists' Exchange when writing.

ANTHEMIS CORONARIA

Double Dwarf Golden Marguerite, $2.00 per 100, by mail.

J. W. MORRIS, - Utica, N. Y.

Mention the Florists' Exchange when writing.

HARDY ROSES, ETC.

FOR SPRING DELIVERY.

Prices on Application.

A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New York**

Mention the Florists' Exchange when writing.

FOR EASTER

Baby Primroses

Primula Forbesii

Out of **4-inch** pots, in full bloom, $1..00 per doz.; $8.00 per 100; $75.00 per 1000.

CUT BLOOMS

75 cts. per 100; $5.00 per 1000.

Carefully packed. Cash please.

One pair of extra heavy **AZALEAS**, specimens; single, pure white, five feet high, over three feet in diameter; just coming into bloom. $10.00 the pair, express prepaid. Worth $25.00.

Henry Eichholz, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.

VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.

Fine collection..........$2.00 per 100; $15 00 per 1000
Strong pot plants....... 3.00 " 25.00 "

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Bradt, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Flora Hill, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Morning Glory, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

see issue of February 28 for varieties and prices.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock. April Delivery.	**Bride, Bridesmaid, Golden Gate**, $12.00 per 100. **Liberty**, $15.00 per 100.

From 2¼ in. pots.

CHRYSANTHEMUMS.

Varieties and Prices on Application.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, ope's Pet and Whitecap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000 Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTIES

Young Plants from 2 and 3 Inch Pots ready to send out $6.00 per 100, $50.00 per 1000

JOSEPH HEACOCK, WYNCOTE, PA.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

First crop now ready. Strong plants from 2¼ inch pots, **$6.00 per 100; $50.00 per 1000.**

Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery, and will be filled in rotation.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Mention the Florists' Exchange when writing.

HARDY ROSES AND CLEMATIS.

ROSES. Strong plants from 2½ in. pots. Ready now for retail trade or in May for field planting. Get our list of varieties. Price, $4.00 per 100; $35.00 per 1000.

Clematis. Jackmanni, Henryii and Mme. Andre, 3½ in. pots, at $10.00 per 100; 2½ in. pots, $7.50 per 100.

W. & T. Smith Co.,

GENEVA, N. Y.

Mention the Florists' Exchange when writing.

ROSES.

Clean, healthy, two and three-eye cuttings. Very superior stock

	Per 100	Per 1000
Bridesmaid, Bride,	$1.50	$15.00
Meteor, Golden Gate,	1.50	15.00
Perle,	2.00	20.00
Ivory, fine,	3.00	25.00

We do not take hard blind wood. The stock is **warranted good value.**

BOSTON FERNS. Fine, cool-grown stock, 4 in. $15.00 per 100; 5 in. $25.00; 6 in. $40.00; 7 in. $60.00. Good profits in this stock. **Plumosus**, 4 in. $12.50 per 100. **Sprengeri**, 4 in. $8.00 per 100. **Vincas**, variegated strong 2 in. $2.50 per 100.

W. H. Gullett & Sons, Lincoln, Ill.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

Rooted Cuttings	$30.00 per 1000
2 inch pots	50.00 "
3 " "	75.00 "

Stock selected and in prime condition.

F. D. VREELAND, Paterson, N. J.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries, **WEST CHESTER, PA.**

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.

Strictly Our Selection, 1000 and over, $17.50 a 1000

SCENTED GERANIUMS

Rose, Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

DAHLIA ROOTS, large field clumps, **$5.00** per 100. (Our selection, $4 00 per 100).

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B Smith, Col D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford Mme F. Bergmann, Mrs. R. McArthur, Mrs. J. G Whilldin, Mrs. Perrin, Mrs S. T. Murdock, Mrs H. Weeks, Mrs O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties. **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2 00
Second size, 4 to 6 in.	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3 50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for Catalogue of Full Line of Greenhouse and Bedding Plants.
Notice our Vegetable Plant Advertisement.

B. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted as gardener on private place or at landscape work by first class man. Address L. G., care Florists' Exchange.

POSITION wanted by competent German florist, single; 20 years' experience in all branches, commercial or private. Address L. C., care Florists' Exchange.

SITUATION wanted by experienced grower of stove and greenhouse plants, orchids, roses, carnations, chrysanthemums, etc. Address C. G. Z., Coatesville P. O., Pa.

SITUATION wanted by a man with practical experience in general greenhouse work; nationality, Swede; aged 25. Please state wages. Address L. D., care Florists' Exchange.

SITUATION wanted as working foreman where first-class cut flowers are wanted. Sober, not afraid of work; best of references; married. Address Florist, 712 First Ave., West Troy, N. Y.

STEADY young man, aged 20, wants steady position; four years' experience in bedding plants and carnations; good potter. Best of references. Address L. F., care Florists' Exchange.

SITUATION wanted by German, 24 years old; five years' experience in carnations and bedding stock. Please state wages when writing. Address Paul Grumbach, Jamaica, N. Y.

SITUATION wanted by practical all-around grower, 18 years' experience; can take charge, hustler, and not afraid of work. State particulars and wages. Address L. E., care Florists' Exchange.

SITUATION wanted by German, 29, single, 15 years' experience; competent to take charge. Only steady position, and please state wages when writing. Address Julius, 802 Communipaw Ave., Jersey City, N. J.

SITUATION wanted by a young man; German, 26 years of age, married. Eleven years' experience in the florist business; commercial or private; good references. Address, stating particulars, to Henry Mueller, Rye, N. Y.

SITUATION wanted as working foreman by first-class grower of roses, carnations, chrysanthemums and general stock. No. 1 references as to ability and character. Only first-class place wanted. Address L. P., care Florists' Exchange.

SITUATION wanted, by May 1, on commercial or private place, as foreman or manager. Experienced in roses, violets and general stock. Best reference as to character and ability. Address Max Winkler, Manager Cedar Cliff Rose Co., Paterson, N. J.

SITUATION wanted as head gardener to take charge of gentleman's country place; well posted in all details pertaining to management of first-class place. Scotch, 20 years' experience; married. Good references. Address W. D. Robertson, Centre Island, Oyster Bay, N. Y.

SITUATION wanted by bright, sober, honest, reliable florist (30), in first-class florist store as decorator and maker-up, where good work, tasteful and new ideas are wanted. Steady position and reasonable pay expected from the start. Address L. A., care Florists' Exchange.

SITUATION WANTED—HEAD GARDENER, ENGLISH, MARRIED, ONE WITH WIDE EXPERIENCE IN THE CULTIVATION OF PLANTS, FRUITS AND VEGETABLES UNDER GLASS, CAPABLE OF RUNNING AN EXTENSIVE PLACE, INCLUDING VEGETABLE GARDEN, LAWNS AND LANDSCAPING, AND HANDLING OF MEN. GOOD REFERENCES AS TO ABILITY AND EXPERIENCE. ADDRESS L. B., CARE FLORISTS' EXCHANGE.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED—A good all-around man for greenhouse and outside gardening; apply or address G. H. Stuber, Woodlawn, New York City.

WANTED—At once, a good man for nursery and landscape work, pruning; experienced; good permanent position for right man. Address L. J., care Florists' Exchange.

WANTED—A smart young man, with some experience in greenhouse work. State wages expected without board. Give references. Gibson Bros., Newport, R. I.

WANTED—Shipping clerk and head packer; must be thoroughly conversant with shipping and packing nursery and florists' stock. Bobbink & Atkins, Rutherford, N. J.

WANTED—American Beauty rose grower as foreman; must be capable and up to date, and able to handle men. Must have best of references. Address Lock Box 68, Danville, Pa.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED—Experienced man on carnation and pot plants; also to help on design work and shipping flowers. Address, with references, S. J. Reuter, Westerly, R. I.

WANTED—Good practical greenhouse hand to assist in working up bedding stock. $50 per month to man competent to take charge of 15,000 feet of glass. J. T. DeWitt, Bristol, Pa.

WANTED—Practical florist, must be thoroughly experienced in roses and carnations, and be able to grow good stock. Permanent place to right man. Address K. C., care Florists' Exchange.

WANTED, experienced young man or lady for flower store, few miles from Boston; must be a good maker-up on designs, etc. Address, stating wages and references, P. O. Box 1112, Boston, Mass.

WANTED, young man with two or three years' experience for general greenhouse work; wages $20 and board per month. State experience and references from last place. George S. Belding, Middletown, N. Y.

WANTED, single young man experienced in general greenhouse work, bedding especially. Good opportunity for sober, industrious man. Apply at once with reference, J. J., Box 22, Convent Sta., N. J.

WANTED, a man who is a competent grower of bedding plants, carnations and Easter stock. Must be active and steady. Please state wages or call on S. H. Powell, 11 and 13 Crescent St., Brooklyn, N. Y.

WANTED at once, man who has had experience in rose growing, cutting and re-potting; must come well recommended. Apply to Foreman, E. G. Asmus, Hudson Boulevard and Milone St., W. Hoboken, N. J.

WANTED—A single young man having some knowledge of greenhouse work. Must be an industrious worker and of good habits. Steady place for the right man. Wages, $20 per month with board and room. Address L. K., care Florists' Exchange.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester, Mass.

WANTED—Experienced foreman, married man, to take charge of retail place; mostly pot plants, bulbs and Easter stock; also some outside work on private places. Must be a hustler, have thorough knowledge of the business and come well recommended. Address K. F., care Florists' Exchange.

WANTED—A good, practical young man as assistant on place of 10,000 feet of glass, where carnations are a specialty; also general stock grown. This is a good chance for a young man. State wages expected, bed, board and how soon you could come. Address T. M. Fitzgerald, Beaver, Beaver Co., Pa.

GERMAN WIDOW, 37, possessing fine establishment, 18,000 ft. glass, 18 acres fine land, having had trouble in getting right man for running plant, sees only two ways ahead, either sell or, as she is not willing to part with place, to advertise for a German gardener who knows his business thoroughly, especially carnations; healthy, honest, sober, and not afraid of work, between 40 and 45, with a view to matrimony. Address L. H., care Florists' Exchange.

WANTED—Young man of some experience in retail florist business, as assistant to decorator. Good personal habits are absolutely necessary. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

WANTED—A man of experience who has good judgment and taste in the handling of flowers at retail. To a man of ability and who is conscientious, a well paid permanent position is offered. Address or apply to Ernst Wienhoeber Co., 415 Elm Street, Chicago.

BUSINESS OPPORTUNITIES

FOR SALE—Well paying florist establishment at Grand View-on-Hudson, N. Y.; three greenhouses 20 x 130; several acres land; nine-room residence; everything in fine condition. Address K. W., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat, city water, dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

WILL LEASE place and furnish means to grower who thoroughly understands care of commercial place, and willing to run same for half. State reference, age, if married, salary, full particulars. Address X, Box 114, 530 Sixth Ave., N. Y. City.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE, first-class place for greenhouse establishment; five acres of good land. New house and barn; electric cars pass door; within ten miles of State House, Boston. Address J. C., 21 Mill St., Dorchester, Mass.

FOR SALE—Three greenhouses 160 ft. long, suitable for growing violets, carnations, mignonette, etc. Ten minutes' walk from Erie station, dwelling house if desired. Purchaser to take possession May 15. Price, $3,000. Address L. M., care Florists' Exchange.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

TAKE NOTICE—Will be sold at a sacrifice to close estate: Three greenhouses comprising over 7,000 ft. of glass, hot-water heat, eight acres of ground, ten-roomed house with all conveniences—five-roomed tenant house—stable and carriage house. On line of trolley adjoining the city of Trenton, N. J., New York, Philadelphia and local markets. Walter F. Smith, Trenton, N. J.

FOR SALE—Bargain for an enterprising man. Well established florist business (18 years) with houses and stock ready for Spring trade. Eight greenhouses—four 100x16 and four 55x10; 32 cold frames, all well filled. Dwelling, barn and outhouses, lot 170x197 feet. Must be sold on account of death of late owner, Mr. Andrew Jepson. Call or address, Samuel Burhans, Westfield, N. J.

FOR SALE—Cheap, 6,500 sq. ft. of glass, including stock, as a running business. Houses are stocked with rose plants, carnations, smilax, Easter lilies and bulb stock. Reason for selling is to settle up the estate on account of the death of partner. Write immediately, or call personally. A rare chance for one who means business. Address Forest View Greenhouses, 904 to 912 Mulberry St., Reading, Pa. L. D. 'Phone 308-A.

FOR SALE, plant of Chatham Rose Company, Chatham, N. J., on D., L. & W. R. R. Twenty miles from New York; 8 houses of 1100 running feet or 21,000 square feet of glass, fully stocked with Bride and Bridesmaid roses. All in first-class shape and running order. City water in all houses. Also large corner dwelling. Inspection invited. Price reasonable. Reason for selling, engaged in other business. Call or address, H. B. Green, Madison, N. J.

MISCELLANEOUS WANTS

WANTED—To rent, with the privilege of buying, 8,000 to 15,000 feet of glass, in good condition, with some land and dwelling house; within one hour from New York City. Address L. N., Care Florists' Exchange.

WANTED—To lease or buy medium-sized commercial greenhouse place near by. State reasons for selling, number and dimensions of houses, price and rent; full particulars. Address X, Box 114, 530 Sixth Ave., New York.

FOR SALE

FOR SALE—35,000 second-hand flower pots for sale, from 3½ up to 6 inches; from $5.00 per 1,000 upward. Henry Ulrich, Woodside, L. I.

FOR SALE—First-class new 2-inch black pipe, long lengths, at 10¼ cents per foot. S. Jacobs & Sons, 1365 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE GLASS

If in the market, for special low price. Address **L. O., care Florists' Exchange.**

Mention the Florists' Exchange when writing.

MANHATTAN SUPPLY CO.

One Scollay boiler No. 5, $40.00.

New hot-bed sash, 3x6, with iron bands, made from 10-in. glass, sash with enough glass to glaze it, $1.60 each; for 6-in. glass frame with enough glass to glaze it, $1.50 each.

10x14 8x10 French glass, double thick, $2.75 per box.

Rubber hose, 8 ply, 7c. per ft.

All kinds of plumbing tools, shovels, spades, paints, putty, seasoned lumber.

We send men out to superintend construction, and furnish all materials, new and second-hand, for same, at great reduction from regular cost.

We also buy and tear down greenhouses and buildings of all kinds.

A fine lot of side-board wheelbarrows, extra heavy bracing, $3.00; our own make.

Also second-hand iron wheelbarrows at the same price.

Second hand wrought iron pipe, guaranteed sound, ¾-in., 3c. ft.; 1-in., 3¼c. ft.; 1¼-in., 4½c. ft.; 1½-in., 6c. ft.; 2-in., 8c. ft.

All fittings, 4c. per lb.

Cash with order please.

339 East 23d St., NEW YORK.

Mention the Florists' Exchange when writing.

Boston.

News of the Week.

The Gardeners' and Florists' Clu
held its meeting on Tuesday evenin
at Horticultural Hall, with Presiden
Davis in the chair. The annual electio
of officers resulted as follows: Presi
dent, John A. Pettigrew; vice-presiden
Mr. Westwood; secretary, W. I
Fischer; treasurer, Edward Hatch; th
secretary and treasurer being re-elect
ed. The executive committee includ
James Nicol, Warren Ewell, Patric
Welch and William J. Stewart. A com
mittee of three on essays and discu
sions was appointed, consisting of
Heurlin, G. M. Anderson, and C.
O'Brien. Many expressions of regr
were heard on the deaths of two of th
veteran florists which occurred la
week—those of Benjamin Grey, of Ma
den, and Edward Sheppard, of Lowell
and Jackson Dawson and M. H. Nort
were appointed to bring in resolution

The Spring show of the Massach
setts Horticultural Society will be he
next week, opening on Wednesday a
closing Sunday evening.

The Boston Co-operative Flow
Growers' Association has completed
deal with the parties holding the lea
of its new premises on Columbus av
nue near Berkeley street up to May
whereby the association can take po
session at once. There will be consi
erable work to get ready, but it
hoped that the market will be open
business before April 1. This sto
and basement, which the associati
is to occupy, was formerly occupied
Wright & Moody, manufacturing co
fectioners.

The many friends of F. R. Mathis
of Clematis Brook, will be grieved
hear that his wife is very seriously

Charley Roberts, of MacMulkin's,
off on his usual Spring trip.

John H. Taylor, of New York, ca
on Saturday for a few days. Sund
he called on Peter Fisher at Ellis a
on Monday visited the establishme
of W. W. Edgar, of Waverley, and
N. Peirce & Sons and Anderson
Williams, of Waltham.

S. J. Goddard, of Framingham, is c
ting some fine blooms of his new wh
carnation, The Queen, now. His mi
bunches of fancy sorts are some of
finest flowers coming in to this mark
Orders for rooted cuttings of The Qu
are numerous. F. J. NORTON

Indianapolis, Ind.

News Notes.

The local seed houses are prep
ing for a large Spring trade, which
be readily foreseen from the pres
demand. J. A. Everitt, the seedsm
is preparing to send out ten thous
packages of sweet peas to the sch
children of Indianapolis free of char
Mr. Everitt has an advertising sche
in mind, and no doubt it is a good o

The State Florists' Association of
diana held its monthly meeting Ma
3 at the Commercial Club rooms.
many members were present, and no
ing of great importance was taken
at this session.

Herman Junge was taken ill after
tending the theater one evening
week. He attributes his illness to so
bad medicine taken the same eveni

The Indianapolis florists are rejoic
over the reduced express rates. Ma
thanks to those who aided the mo
ment in restoring the old rate. It
readily be seen what a power the fl
ists are when all work strenuously
one end. I. E

LEGAL NOTICE

NOTICE OF SPECIAL MEETING OF STO
HOLDERS.

A. T. DE LA MARE PRINTING AND PUBLI
ING CO., LTD.

A special meeting of the stockholders of t
Company is hereby called, pursuant to a res
tion unanimously adopted by its Board of
rectors, for Tuesday, March 24th, 1903, at
o'clock noon, at the offices of the Compa
Rhinelander Building, Nos. 2 to 8 Duane Str
Borough of Manhattan, New York City, for
purpose of considering an increase of its cap
stock from $40,000 to $60,000, to consist of
shares of the par value of $50 each. Tran
books will be closed from March 21st to Ma
24th, 1903, at 3 P. M. By order of Board of
rectors. A. T. De La Mare, E. E. Wells,
Magill, James Dean, Andrew Peck, John
Esler, Jas. H. Griffith.

ERANIUNS Rooted Cuttings

12 varieties, mixed, all double, $1.25 per 100.
oted cuttings of **HYDRANGEA OTAKSA**,
0 per 100.

HN BRONNER, 301 Beecher Street,
Syracuse, N. Y.

tion the Florists' Exchange when writing.

0,000 CANNAS

Pot now. Nice started sound roots. Send for list.

me. Crozy, Florence Vaughan, Alsace, Alnse Bouvier, Alba Rosea, Chas. Henderson, bank, Austria, $3.00 per 100.

iladelphia, Golden Moon, Queen Charlotte, ary Bird, Leopard, Duke Marlborough, $4.00 100.

uvenir d' Antoine Crozy, 6 cts.; Gloriosa, s; Rosemaur (pink), 8 cts; Maiden's Blush k), 8 cts.; Pink Beauty, 6 cts.; Unnamed, l colors, $1.50 per 100; Bronze Beauty, red ed, 4 cts.

IOLETS 1000 Lady Hume Campbell, strong Fall runners, from $1.00 per 100; $10.00 per 1000.

ca major var., 4 in., $5.00 per 100; 2½ in., .00 per 100.

Tritoma Uvaria, field roots, $6 00 per 100.
Halleana Honeysuckle, 4 cts.
Clematis Paniculata, 2 years old, 5 cts.
English Ivy, 2½ in., $3 00 per 100.
Hydrangea Paniculata, 4 years, 15 cts.; years, 8 cts.
Double Gen. Grant Geranium, 2½ in., 00 per 100.
Caladiums, large bulbs, 6 cts.; medium, ts.
Shrubs and Vines. Send for list.

Cash please.

ENJAMIN CONNELL
WEST GROVE, PA.

tion the Florists' Exchange when writing.

---

wo-Year-Old Roses

rom 4 in. pots, extra strong, 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals	10.00 "

lets, 2½ in., Lady Hume Campbell, Swanley White, California, Luxonne and Prince of Wales, 3.00 per 100; $25.00 per 1000.
rangeas, Thos. Hogg and Monstrosa, 2½ in., 4 00 per 100; $35.00 per 1000.
matis Paniculata, 3 years old, strong, field-grown, $10.00 per 100.
ble Geraniums, 2½ in., $3.00 per 100; $25.00 per 1000.
non, American Wonder or Ponderosa, $4.00 per 100; $35.00 per 1000.
aragus Sprengeri, 2½ in., $2.50 per 100; 4 in., 7 00 per 100.
paragus Plumosus, 4 in., $8.00 per 100.
eysuckle, Chinese Evergreen, Halleana and Golden Leaved, $2.50 per 100.
mbago, white, $3.50 per 100.
erus Alternifolius, $2.50 per 100; $20.00 per 1000.
ca Major Variegata, $2.50 per 100; 4 in., $8.00 per 100.
illea, The Pearl, $3.00 per 100; $25.00 per 1000.

E SPRINGFIELD FLORAL CO.

[Reorganization of Jno. A. Doyle & Co.

SPRINGFIELD, OHIO.

tion the Florists' Exchange when writing.

March 28

The Saturday
Before the second Sunday
Before Easter

Special
Spring Trade
Edition

March 28

GLADIOLI BULBS

1900 No 1900. Fine commercial sort, good shipper, choice bedder, reduced prices 1900
1900 Augusta, May, Shakespeare, etc., mixed 1900
1900 WRITE FOR PRICES. 1900
JOHN FAY KENNELL,
1900 Box 105. ROCHESTER, N. Y. 1900
1900 1900 1900 1900 1900 1900 1900

Mention the Florists' Exchange when writing.

100,000 PANSIES

(THE JENNINGS STRAIN)
Fine stock, all transplanted.

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100, 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.
Cash with order

E. B. JENNINGS, Southport, Conn.
Lock box 254. Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, extra fine transplanted plants out of cold frames, $3.00 per 1000, $25.00 per 10,000.

Bellis (Daisies). Largest double red and white, large plants $2.00 per 1000.

Gladioli. Finest light and mottled, large bulbs, $8.00 per 1000.

Semple's Aster Seed. My own raising, saved from the largest and most double flowers, only at $4.00 per lb.

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD
North Abington, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100
Stella, Fenn	$4 00
Palmer, Cressbrook, Challenger, Oriole	3 00
Queen Louise, Hoosier Maid, Norway	2 00
Goodenough, Gen. Maceo	1 50

HENRY HESSION
Clarkson and E. 48th Sts., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

The Largest, the Brightest, the Freest Scarlet
CARNATION

CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

WILLIAM HOFFMAN, PAWTUCKET, R. I.

Mention the Florists' Exchange when writing.

Rooted Carnation Cuttings

Cressbrook, Fair Maid, Boston Market and **Gov. Wolcott**, $5.00 per 100; $40.00 per 1000.

Queen Louise, Lorna, Gov. Roosevelt, Lawson, $3.00 per 100 $30.00 per 1000.

Maceo, Morning Glory, Flora Hill Sport, $2.50 per 100; $20.00 per 1000.

All selected stock. Cressbrooks exceptionally fine; from same as was awarded special prize at Brooklyn.

C. E. DICKERMAN, 21 Mill St., Dorchester, Mass

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

By C. W. WARD.
Write for particulars.
THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Rooted Chrysanthemum Cuttings

WHITE

	100	1000
Timothy Eaton	$2 00	$15 00
George Kalb	1 50	12 50
Ivory	1 50	12 50
Lady Fitzwygram	1 00	8 00
Mme. F. Bergmann	1 50	12 50
Mayflower	1 50	12 50
Minnie Wanamaker	1 50	12 50
Mrs. H. Robinson	1 50	12 50
Merry Christmas	1 50	12 50
White Bonnaffon	2 00	15 00
W. H. Chadwick	1 50	12 50

YELLOW

Yellow Fitzwygram	1 00	8 00
Col. D. Appleton	1 50	12 50
Major Bonnaffon	1 50	12 50

	100	1000
H. W. Rieman	$1 50	$12 50
October Sunshine	1 50	12 50
Golden Wedding	1 50	12 50
Yellow Mayflower	1 50	12 50
W. H. Lincoln	1 50	12 50

PINK

Glory of Pacific	1 50	12 50
Mrs. Perrin	1 50	12 50
Mrs. Murdock	1 50	12 50
Pink Ivory	1 50	12 50
Viviand-Morel	1 50	12 50
Marian Newell	1 50	12 50

RED

Defender	1 50	12 50
Oakland	1 50	12 50

WIETOR BROS., 51 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

CARNATIONS

MURPHY'S WHITE.

If you want a commercial white try it. Rooted Cuttings, immediate delivery, $6.00 per 100; $50.00 per 1000. Satisfaction guaranteed or money refunded.

WM. MURPHY, 130 E. 3d Street, **Cincinnati, Ohio.**

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

— ALSO —
Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

NOVELTIES

CARNATIONS,
CHRYSANTHEMUMS,
CANNAS, GERANIUMS,
PELARGONIUMS.
Also BEST STANDARD VARIETIES.

A few hundred **Vinca Variegata**, ready for **IMMEDIATE** delivery. 3½ inch pots, strong, $5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 50	$30 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	4 00	35 00
Golden Beauty	4 00	35 00
G. H. Crane	2 50	20 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

CHRYSANTHEMUMS

$3.50 per 100, from 2¼ inch:
Black Hawk, Cremo, Col. D. Appleton, Lady Fitzwygram, Pennsylvania, W. H. Chadwick, Timothy Eaton.

$4.00 per 100, from 2¼ inch:
Monrovia, White Bonnaffon, Yellow Fitzwygram.

$3.00 per 100, from 2¼ inch:
Golden Wedding, Maud Dean, Major Bonnaffon, Mrs. Henry Robinson, Mrs. E. Weeks, Mrs. O. P. Bassett, Willow Brook.

$2.50 per 100, from 2¼ inch:
Glory of the Pacific, Helen Bloodgood, Ivory, J. K. Shaw, Mrs. Jerome Jones, October Sunshine, Pink Ivory, Polly Rose.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

Carnations

Rooted Cuttings

	100		100
Floriana	$3.00	**Eldorado**	$1.00
Gen. Maceo	1.50	**Genevieve Lord**	1.00
Morning Glory	1.50		

JEWETT CITY GREENHOUSES,
Jewett City, CONN.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

NEW CARNATION

$UCCE$$

The Money Maker

The most prolific carnation to date. Flowers light pink, shade of La France rose, large and well formed, and borne on stout stems, with strong calyx. A splendid summer bloomer. Heavily rooted cuttings: $1.50 per 12. $2.50 per 25; $8.00 per 100; $70.00 per 1000. Immediate delivery. For sale by

HENRY F. MICHELL, Philadelphia, Pa,
J. GAMMAGE & SONS, London, Ont., Canada

JOHN G. SHOLL, Dept. C., Burlington, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

White.

	Per 100	Per 1000
Wolcott	$5.00	$45.00
Norway	2.00	17.50
Glacier	2.00	17.50
White Cloud	1.50	12.00

Red.

Apollo	6.00	50.00
Estelle	5.00	45.00
G. H. Crane	2.00	17.50
Gen. Gomez	2.00	17.50
Gen. Maceo	2.00	17.50

Pink.

Nelson	6.00	50.00
Cressbrook	4.00	35.00

Pink.

	Per 100	Per 1000
Dorothy	$2.00	$17.50
Mrs. Lawson	2.00	17.50
Elma	2.00	17.50
Morning Glory	2.00	17.50
Mrs. F. Joost	1.50	12.00
The Marquis	1.50	12.00
Triumph	1.00	8.00

Variegated.

Gaiety	4.00	35.00
Stella	5.00	45.00
Prosperity	3.00	25.00

CHRYSANTHEMUMS **Rooted Cuttings.** It is well to have the right varieties at the right time of the year, for that is where you make your money. Our stock is healthy, and now is the time to order. The following list is given as to succession of blooming of each color.

White.

	Per 100
Willowbrook	$2 00
Polly Rose	2 00
Robinson	2 00
Mayflower	3 00
Opah	6 00
Weeks	3 00
Fee du Champs aur.	3 00
Princess Barsarabba	3 00
T. Eaton	3 00
Jerome Jones	2 00

Yellow.

Monrovia	2 00
Parks	3 00
Halliday	3 00
Parr	3 00
Bonnaffon	2 00
Col. Appleton	2 00

Yellow.

	Per 100
Golden Wedding	$4 00
Yellow I. Jones	3 00
Goldmine	4 00
Golden Beauty	4 00

Pink

Lady Harriett	4 00
Glory Pacific	2 00
Helen Bloodgood	4 00
Dalskov	2 00
Autumn Glory	2 00
Mrs. Perrin	3 00
Mary Hill	4 00
Murdock	2 00
Calvart, light rose	6 00
Malcolm Lanstad, red	5 00

BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in., 15c. each; 7 in., $1.00; 8 in., $1.25.

Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

HALF MILLION CUTTINGS READY

20,000 EACH OF THE FOLLOWING VARIETIES:

G. H. Crane, America, Prosperity, Armazindy, White Cloud, Flora Hill, Norway, Bon Homme Richard, The Marquis, Guardian Angel

$2.00 per 100; $15.00 per 1000

Governor Wolcott, Mrs. Higinbotham, $5.00 per 100; $45.00 per 1000

Estelle, $4.00 per 100; $30 per 1000. **Mrs. Potter Palmer**, $5.00 per 100; $40 per 1000.

CHICAGO CARNATION CO., Joliet, Ills.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

Carnations Rooted Cuttings

Late March and Early April Delivery

	Per 1000
Morning Glory	$12.50
Cressbrook	25.00
Queen Louise	15.00
Gov. Roosevelt	15.00
Dorothy	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	100	ALSO FROM SOIL.	100
Mrs. Lawson	$2.50	Prosperity	$3.00
G. H. Crane	2.00	G. Lord	1.50
Prosperity	2.50	Lorna	2.50
Genevieve Lord	1.50		

Strong Plants Ready to Ship at Once.

Cash with order.

DE PEW BROS., Nyack, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Nelson**	$5 00	$40 00
Guardian Angel	1 25	10 00	**Cressbrook**	4 00	35 00
Joost	1 25	10 00	**Triumph**	1 25	10 00
Genevieve Lord	1 25	10 00	**Higinbotham**	5 00	40 00
			Morning Glory	2 00	15 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	3 00	25 00	**Chicago (Red Bradt)**	2 50	20 00
G. H. Crane	2 50	20 00			

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 50	12 50	**Hoosier Maid**	1 25	10 00
Queen Louise	2 50	20 00	**Bon Homme Richard**	1 25	10 00
Peru	1 25	10 00	**Murphy's White**	6 00	50 00
White Cloud	1 25	10 00			

VARIEGATED.

Mrs. G. M. Bradt ...... $2.50 per 100; $20.00 per 1000.

ROSES

AMERICAN BEAUTY, 3 in. pot plants, $7.00 per 100; $65.00 per 1000.

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	**Bride**	$3.00	$25.00
American Beauty	6.00	55.00	**Golden Gate**	3.00	25.00
Kaiserin	4.00	35.00	**Perle**	3.00	25.00
Bridesmaid	3.00	25.00	**Ivory**	4.00	35.00
			Sunrise	7.00	65.00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	**Golden Gate**	$1 50	$12 50
Bridesmaid	1 50	12 50	**Ivory**	3 00	25 00
Perle	1 50	12 50	**Sunrise**	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3½ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATION

ROOTED CUTTINGS.

	Per 100		Pe
Floriana	$2 00	G. H. Crane	
Mrs. Lawson	2 00	Roosevelt	
Queen Louise	2 00	J. H. Manley	
Norway	2 00	Mrs. P. Palmer	
Bon Homme Richard	2 00	Mrs. Bradt	
Glacier	1 50	Cressbrook	
Flora Hill	1 50	Gaiety	
Estella	3 00	Mrs. F. Joost	
Morning Glory	2 00	Dorothy	
		Irene	

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport,

Mention the Florists' Exchange when writ

LOOK HERE!

Carnation Cutting

From Extra Fine Stock.

	100
Lillian Pond	$10.00
Cressbrook	4.00
Mrs. E. A. Nelson	4.00
Mrs. Lawson	3.00
Floriana	2.50
Mrs. Joost	2.00
Wm. Scott	1.25
Daybreak	1.50
Morning Glory	2.00
Queen Louise	2.50
Glacier	2.00
Lizzie McGowan	1.25
G. H. Crane	2.50
Gen. Maceo	2.00
Mrs. Bradt	3.00
Firefly	2.00

250 at 1000 rates. Cash with order please

JAMES E. BEAC
2019 Park Avenue,
BRIDGEPORT, - - - CON

Mention the Florists' Exchange when wri

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 100
Her Majesty	$10.00	$80.00	America	$1.50	$10.0
Flora Hill	1.50	10.00	Marquis	1 50	10.0
White Cloud	1.50	10.00	Elma	1.50	10.0
Norway	1.50	12.50			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 100
Ivory	$4.00	$35.00	Bridesmaid	$3.00	$25.0
Bride	3.00	25.00	Meteor and Gate	2.50	20.0

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS., 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas i country, and those who buy of us are sure t plants and rooted cuttings perfectly healthy free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.0 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100
Queen Louise	$2 00
Lorna	2 50
Norway	2 00
Goodenough	2 00
Hoosier Maid	2 00
White Cloud	1 50
Flora Hill	1 50

RED	
Mrs. Potter Palmer	4 00
J. H. Manley	5 00
Oriole	4 00
G. H. Crane	2 00
Jubilee	1 50
Portia	1 25

PINK	Per 100
Floriana	$2 00
Mrs. Higinbotham	5 00
Cressbrook	4 00
Mrs. G. A. Milson	4 00
Mrs. Thos. Lawson	3 00
Dorothy	2 00
Irene	2 00
Sunbeam	2 50
Morning Glory	1 50
The Marquis	1 25
Genevieve Lord	1 25
Mrs. F. Joost	1 25
Daybreak	1 25
Wm. Scott	1 25
Ethel Crocker	1 25

CRIMSON	Pe
Harry Fenn	
Gov. Roosevelt	
Gen. Maceo	

YELLOW	
Buttercup	
Gold Nugget	
Eldorado	

VARIFGATED	
Dorothy Whitney	
Prosperity	
Mrs. G M. Bradt	
Armazindy	

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, an grown in 3-in. and 3½-in. pots. Orders bo now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 10
IVORY, LIBERTY. $18.00 per 100. **Send For Catalogue.**

J. L. DILLON, - Bloomsburg, P

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

NOVELTIES—This Year's Introductions

Mrs. Theodore Roosevelt. A brilliant shade of deep cerise pink, flamed with carmine. Finely formed, average 3 inch flower on strong stiff stems. Habit vigorous, early, free. Fragrance, strong clove. Selected, strong, well-rooted cuttings now ready. $12.00 per 100; $100.00 per 1000.

Alpine Glow. A deep salmon pink on opening, which finishes a bright Daybreak tint. Good sized bloom, averaging 2¾ inches at this season of the year. Flowers of great substance and a splendid keeper and shipper. An extra vigorous grower; early, profuse and continuous bloomer. Cuttings taken last April produce plants carrying 25 to 30 blooms by the first of March. We believe this will prove one of the most profitable of the daybreak colored carnations. We shall have the following rooted cuttings ready for delivery at the dates specified: March 15th, 2,500; March 21st, 5,000; April 5th, 5,000. Price, $8.00 per 100; $75.00 per 1000. Quantity limited to the above.

Lillian Pond 2,000 selected plants from 2 inch pots, ready for immediate delivery, $10.00 per 100.

Her Majesty From 2 inch pots, March 10th to 15th delivery, $10.00 per 100.

Marshall Field From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

Gov. Lowndes Strong plants from 2 inch pots, for immediate delivery. $12.00 per 100.

Adonis Strong plants from pots, March 10 to 15th delivery. $15.00 per 100.

Enchantress From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

INTRODUCTIONS 1902

Harry Fenn. Extra strong selected stock, $50.00 per 1000.

Viola Allen. Fine strong cuttings for immediate delivery, $50.00 per 1000.

Stella. $6.00 per 100; $50.00 per 1000.

Challenger. Extra strong stock ready for immediate delivery, $5.00 per 100; $40.00 per 1000.

Gaiety. $6 00 per 100; $50.00 per 1000.

J. H. Manley. We have propagated a few thousand extra selected cuttings from this variety which we offer at $6.00 per 100; $50.00 per 1000, to those who wish to give it a trial.

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Mrs. Lawson. 5,000 fine strong cuttings for immediate delivery, ready now and up to March 10th, $25.00 per 1000.

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Lorna. $25.00 per 1000.

Prosperity. Fine stock from 2 inch pots, $3.50 per 100; strong cuttings from sand, $25.00 per 1000.

Floriana. Fine stock from 2 inch pots, $3.00 per 100; strong cuttings from sand, $25.00 per 1000.

Gov. Roosevelt. $25.00 per 1000.

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2 00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

	Per 100
Enchantress, out of 2-inch pots	$12.00
Tiger, " "	10.00
" unrooted cuttings.	5.00
Mrs. Lawson, Flora Hill, Queen Louise, Lorna	2.00
Mrs. Lawson, Flora Hill, unrooted cuttings.	.75

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

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CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

	100	1000
MR. THOMAS LAWSON	$2.50	$20.00
THE MARQUIS	1.25	10.00
QUEEN LOUISE	2.50	20.00
LORNA	2.50	20.00
J. H. MANLEY...75c. per doz.	6.00	50.00
HARRY FENN....75c. per doz.	6.00	50.00

THEODOR LEONHARD

P. O. Box 1646 Paterson, N. J.

Mention the Florists' Exchange when writing.

50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20 00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order. All orders sent in strict rotation. All cuttings guaranteed first-class in every particular.

T. KRAFT, 135 Johnson Av., Newark, N. J.

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Lowndes, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

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We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties now ready.

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Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

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CARNATION CUTTINGS

Extra Strong. Guaranteed Healthy.

	Per 100		Per 100
Floriana	$3.00	**Norway**	$2.00
Chicago	3.00	**Triumph**	2.00
Mrs. G. M. Bradt	3.00	**Mrs. F. Joost**	1.50
Prosperity	2.50	**Evanston**	1.50

Write for prices on large quantities.

CLINTON HILL GREENHOUSES, Newark, N. J.

374-382 Clinton Avenue.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
American Institute Show............ 292
American Rose Society.............. 286
Briefs for Busy Florists............ 288
Canadian News 290
Carnations 288
Catalogues Received................ 292
Clerodendron Balfourii (Illus.)...... 292
Conviviality, The, of The Craft...... 286
Engine, A Floral.................... 288
Express Rates, Old, Restored........ 286
Ferns, A Talk On.................. 289
Firms Who Are Building............ 287
Hydrangea Flowers, Blue, To Make 286
Market, Review of The.............. 294
New York Florists' Club............ 289
Nursery Department................ 277
OBITUARY:
  E. J. Sheppard, John M. Underwood, Benjamin Grey............ 287
Peat as Fuel........................ 286
Peony Registration.................. 286
Rubber Plants, Two Monster (Illus.) 289
Question Box........................ 288
Seed Trade Report.................. 275
TRADE NOTES:
  Louisville, Ky., New York, Philadelphia, Springfield, Mass........ 279
  Boston, Indianapolis............... 282
  Cleveland, Pittsburg, Providence, Washington 292
  Chicago 294
  Baltimore, Buffalo, Cincinnati.... 296
  Orange, Tarrytown, Utica, Worcester 297
  Cromwell, Conn., Milwaukee...... 299

American Rose Society.

The following special prize for the forthcoming exhibition, is offered by Benjamin Dorrance, Dorranceton, Pa.

For the best collection of rose blooms grown outside a radius of 150 miles of Philadelphia, as measured by railroad distance, not less than five varieties and not less than 25 blooms of a kind: silver cup, value $50.

THIS WEEK'S SUPPLEMENT.

Acer Polymorphum Dissectum Atropurpureum.

Blood Leaved, Dissected Japanese Maple.

Among the numerous varieties of Japanese maples now familiar to lovers of trees, there are a few more often planted than others; and well to the front in the list is the one our illustration represents, the Acer polymorphum dissectum atropurpureum, the blood-leaved dissectum, as it is so often called. There is a green-leaved dissectum, also a valuable kind, which renders it necessary to add atropurpureum to this one, making an already lengthy name still longer.

The two dissectums spoken of are looked on as varieties of polymorphum, yet have a drooping habit of growth, which, though most pleasing, is very different from the quite upright growth of the latter sort. The illustration faithfully shows the character. Were a common A. polymorphum growing near it, or polymorphum atropurpureum—for it, too, does not droop—the drooping habit of the plant pictured would be more clearly shown.

It has been suggested that, as its propagation is mainly by layers, or grafting, calling for the use of side shoots to a great extent, this may have something to do with its lack of erect growth, but this is not the case; as A. polymorphum atropurpureum and many other varieties, when raised in the same way, maintain their upright character. Still, it may be admitted in passing that propagation from side shoots in the case of some plants does result in a less upright growth than normal.

The red foliage of this maple is particularly pleasing in early Spring and Summer. Though almost as blood-red as the common blood-leaved one, it does not appear so, because its finely divided leaves present less quantity of surface; but it is beautiful always, and most desirable.

Almost all Japanese maples display some tenderness of foliage under our hot, dry Summer sun, but it does not materially injure them. The many green varieties are rather the better for being slightly in the shade at noon, but those having colored foliage must have the full sunlight to bring out the bright tints. In shade, the blood-leaved ones become as the green ones are, losing their color.

This and other Japanese maples of the same class become but large shrubs with us. The illustration represents a specimen in Fairmount Park, Philadelphia, which, we believe, has been growing there for 25 years. The common, blood-leaved one, A. polymorphum atropurpureum, would make twice the height in that time; still it does not attain tree size.

There is no other shrub growing just as this maple does; and as nurserymen are now fairly well stocked with it, increasing it by layering and by grafting, this permits of its use in many places which it would help to beautify.

JOSEPH MEEHAN.

To Make Hydrangea Flowers Blue.

Editor Florists' Exchange:

If hydrangeas are grown in a tolerably strong maiden loam which contains a portion of oxide of iron, the flowers will come blue without further trouble; but the plants will require to be potted into this said compost and continually grown in the same from the cutting pot. Watering with a solution of alum for some time previous to flowering will benefit them greatly. The solution may be made by mixing at the rate of one ounce of alum to a gallon of rain water.

Plants should be struck from cuttings of the soft wood from February to May that are required to bloom in those months the following year. It is advisable to flower them in 7-inch pots, allowing the plants to produce one cluster of flowers, removing side shoots to strike, as the old plants are not to be depended upon to produce blue flowers the second year. F. J.

Long Island.

The Old Express Rates Restored.

The announcement has been promulgated by the express companies that the old rates charged for the conveyance of cut flowers previous to December 10, 1902, have been restored, the change taking effect on Tuesday, March 10, 1903.

It is safe to say that the express companies, by advancing the rates, have lost considerable traffic, consequently money, and that fact has brought them to the decision that their unwarranted action in raising the rates was an unwise and profitless one. On the other hand, the florist trade has in the meantime been kept in a state of perturbation, and the business crippled to quite an extent. The action of the companies has, under the circumstances, been a losing one for all parties interested; and it is to be hoped that wiser counsel will prevail should any future similar attempt to advance rates be made.

The lesson learned and contingent on this matter has been a salutary one for both sides. It has been demonstrated that no common carrier, however strong, can trespass on the rights of a legitimate industry with impunity, on the one hand; and, on the other, that concentrated and general agitation on the part of those injured will accomplish much. It is unquestionably the fact that the general uprising throughout the country against what was clearly an injustice, backed by the efforts of the S. A. F., has been instrumental in bringing about the restoration of the old rates; and that in spite of pessimistic views held to the contrary.

The victory gained has placed the florist industry in a position where its rights as a commercial factor in the country cannot be ignored, and has once more shown that the national society can, when occasion arises, render invaluable service to those whose interests it is established to promote. Thereby, and on that account, does the S. A. F. merit, and should assuredly receive, the united support of everyone engaged in this business.

John N. May, chairman of the S. A. F. Legislative Committee, writes on the subject as follows.

Editor Florists' Exchange:

We have just been notified by the express company here that the rate for cut flowers, from March 10, will be one general rate instead of one and one-half rate, which has been in force since early last December. We have made every effort to get the express companies to reduce the rate to the original, i. e., forty cents per hundred in this section; but they will not reduce it below fifty cents per one hundred pounds.

We are not advised if this rate is general, i. e., one general rate in place of one and one-half, with all the companies throughout the country, or only with the United States Express, but presume the same pro rate will affect all alike.

Our main factor in getting this reduction has been the fact that all the florists in Summit and Chatham have been sending their products to New York by a local express company. This, of course, meant quite a loss in money to the United States Express Company. In addition to this, our people have made strong protests repeatedly.

We hope this will benefit every florist in the country.

Peat as Fuel.

Editor Florists' Exchange:

You will see by enclosed clippings that our citizens are thoroughly alive to the possibilities of peat as a fuel, and, undoubtedly, in the near future it will enter into competition successfully with coal. This should be good news for florists, as I understand that peat burns to a clear ash, without dirt or clinkers. I would also expect these ashes to have some small value as a fertilizer.

SAMUEL BATSON.

[The clippings inclosed by Mr. Batson refer to a successful test of peat briquettes furnished by the American Peat Company, of Capac, Mich., whose plant, it is stated, will be turning out its full capacity of 200 tons daily in a very short time.—Ed.]

Peony Registration.

The Secretary of the S. A. F. notifies us that the list of herbaceous and tree peonies, previously sent to this office, (but not published) by the "Secretary S. A. F. Peony Association," has been submitted by the same firm to the Department of Plant Registration of the S. A. F. He adds: "The above list which comes through the medium of the 'S. A. F. Peony Association' is now registered provisionally. Because of the confusion existing in peony nomenclature, final registration will be held in abeyance until March 23. Meantime, parties knowing specifically of previous dissemination in America of any of the varieties herewith enumerated, under American names other than those here given, or making any claims of priority in connection therewith, are requested to address this office with fullest particulars obtainable on or before above-mentioned date. To facilitate identification, the Japanese names with translations are given."

Nine days is a very short time in which to straighten out the "confusion existing in peony nomenclature," entitling the list to "final registration," especially in view of the fact, that the same list of peonies has been distributed all over America and Europe.

The list furnished for registration is by no means a new one, the varieties enumerated having been in commerce for years. We submit that any registration with "The Department of Plant Registration," of the S. A. F., provisional or otherwise, of a list of established varieties of any plant is outwith the province and intent of that department. We refer our readers to the Constitution and By-Laws of the Society of American Florists, as these appear in the published proceedings of the Society for 1901 (p. 153), and still operative. In Section 3, relating to the "Duties of Officers," clause (c) specifies among those appertaining to the office of Secretary: "He shall keep a registration book, in which shall be recorded names and descriptions of new varieties of plants, under the rules of the Society," and so forth. This is the only power conferred on the Secretary by the Society relative to Plant Registration.

The names of the peonies submitted for registration, "provisionally," not being new, we hold that no notice of them can be taken by the "Department of Plant Registration of the S. A. F."

The Conviviality of the Craft.

For the past two meetings the New York Florists' Club has been wrestling with the subject of what has facetiously come to be characterized as "the canteen"—that is, the furnishing of liquid refreshments at the club gatherings, finally deciding that the practice shall be continued. The matter was first sprung on the members after the reading of the report on the recent flower show held in Madison Square Garden, and was introduced with the view of retrenchment in the club's expenditures, having in mind the severe financial setback given by the exhibition referred to.

The various discussions ensuing were conducted in the most good-humored spirit, yet several points were brought out which seem to have a bearing on the good of clubs generally.

The trend of the debate clearly demonstrated that the social feature in the club must be catered to, for the reason that of all men the gardener is the most convivial creature in existence. And this social trait of his character finds its highest development when in the company of his confreres. He may, in his daily walks, meet a tradesman of "another denomination," and pass him by with the most polite greetings, but a fellow-craftsman, never. With the latter an adjournment must be made to the nearest corner.

It was pointed out by those who had paid close attention to the matter that, divested of this sociability-engendering element, the attendances at the meetings were reduced—not because the good things provided were available gratis, but on account of the greater fraternalism which these, present, created. Good cheer, on tap in the club room, also, it was said, prevented subsequent sessions in less congenial surroundings.

THE FLORISTS' EXCHANGE

Nos. 2, 4, 6, 8 DUANE STREET,

NEW YORK, March 14, 1903.

Mr. Advertiser,

Dear Sir: We take this opportunity of calling your attention to the 1903 Special Spring Trade Edition of The Florists' Exchange, which will be issued March 28.

This is "the" issue of the entire year, and is so looked upon by every person in the Trade. Announcements in the Special Spring Trade Editions of The Florists' Exchange bring results—this has been conclusively proven each year since the inception of the special numbers.

Your advertisement for this year's "Special" is therefore solicited, feeling assured you will be well pleased with the returns you are certain to receive from it.

There will be no increase in advertising rates, but on account of the extra size of the edition, it is requested that all "copy" be in our hands not later than Wednesday noon, March 25.

Trusting to see you represented in the Special Spring Trade Edition of March 28, and with best wishes, we are,

Yours very truly,

THE FLORISTS' EXCHANGE.

We presume this characteristic is evalent in human nature generally, d that being so, it is necessary to ter to it. "All work and no play," c., is as much applicable to the floris' club business as it is to any other; d that club will best conserve its terests which provides for the greatt expansion of the craftsmen's natal instincts—which are: first, work; cond, recreation.

One of the ardent enthusiasts in vor of the retention of the convivial pirit" was Brother Birnie, of Hoboa, N. J., who quoted Burns on the bject of the many admirable qualities herent in a drop of Scotch, as folws:

hou clears the head o' doited Lear;
hou cheers the heart o' drooping
Care;
hou strings the nerves o' Labor sair
At's weary toil;
hou even brightens dark Despair,
Wi' gloomy smile."

A factor fraught with so many adntages to humankind is surely worv of consideration as an accompanient of a gathering of florists, into hose lives and meetings each one of e aforesaid adverse elements enters, at find their antidote in the remedy escribed.

Obituary

Edward J. Sheppard.

Edward J. Sheppard, florist, of owell, Mass., died Monday, March 9. e was born in England in 1824, and me to this country in 1846. He was member of Merrimac Lodge and annalancit Encampment, I. O. O. F.

John M. Underwood.

Mr. John M. Underwood died Wednesay morning, March 4, at his home in olumbus, O., after an illness from ropsy dating since last December.

Mr. Underwood was in his 84th year t the time of death, and had been a resident of the city continuously for the past 38 years. He was born in Dublin, Ireland, and came to the United States about 50 years ago. He settled in Cincinnati, where he followed the profession of florist. He then went to Columbus and settled on the East Side, where he had lived ever since. With his sons he conducted a florist's establishment on Fair avenue, and was widely known throughout the State.

A widow and six children survive him.

Mr. Underwood was a Mason, an Odd Fellow, a member of the old Division No. 1, Uniformed Rank, Knights of Pythias, and a Red Man. He was also a faithful attendant up to the time of his serious illness of Trinity Episcopal Church.

Benjamin Grey.

Benjamin Grey, the well-known florist, nymphæa and orchid grower, died at his late residence, No. 382 Eastern avenue, Malden, Mass., the result of a paralytic stroke, March 5, aged 56 years, 6 months, 26 days, and was buried Sunday, March 8.

The deceased was born at Ayton, Yorkshire, England, August 7, 1846; he came to America at the age of 7 years with his parents, who settled near Dubuque, Ia., shortly afterward coming East to Farmington, Conn., and later he with his parents moved to Albany, N. Y., where his father, the late William Grey, was up to the time of his death superintendent of the estate of Hon. Erastus Corning, the owner of one of the best-known orchid and general plant collections in the country. Here Benjamin Grey learned his profession.

At an early age, at the breaking out of the rebellion, he enlisted and served in the Army of the Gulf and that of the Potomac, under Burnside, Hancock and others. He enlisted in the 177th New York Volunteers and 123d Independent Battery, which was later transferred to the 8th Artillery. During his career he was present in several noted battles, among those of Cold Harbor, Port Hudson, Spottsylvania, Fall of Richmond, Lee's surrender and Antietam.

Returning home, he engaged in his favorite occupation and after working at private gardening for several years, part of which time he spent in the employ of Edward S. Rand, Esq., Dedham, Mass., owner of a noted orchid collection, he entered the florist's business, in which profession he remained to the time of his death, the greater part of which time he had lived in Malden, Mass.

Mr. Grey is survived by his wife, Harriet O. Grey, and three daughters, Dorothy, Harriet and Grace. He was a member of the S. A. F. and A. M. Lodge at Valatie, N. Y.

Firms Who Are Building.

JACKSON, MICH.—Eli Cross, the violet grower, is building a new greenhouse.

KENTON, O.—Salansky & Son will add another house, 128x25 feet, to their establishment.

BELLEFONTAINE, O.—Poole & Purllant are building a new house 100 ft. 4 in. by 16 ft. 6 in.; also a new boiler pit, and will install a new boiler of 20 horse power.

BERNARDSTON, MASS. — George Lamphear is building a new greenhouse here.

CHESTER, PA.—Albert Austin is preparing to erect three new greenhouses, each 16 x 50 feet.

INDEX OF ADVERTISERS

Allen J K 295
Attick H M 280
Amling E C 297
Anderson & Christensen 278
Andorra Nurseries ...277
Archdeacon & Co 276
Aschmann G 291
Bader J 291
Baird D 277
Baker W J 296
Bartram J H 281
Bassett & Washburn 297
Bayersdorfer H & Co 300
Beach Jas E 284
Beckert W C 274
Berckmans P J Co ..276
Berger H H & Co 274-75
Bernheimer E 296
Berning H G 297
Betscher C 276
Blaauw J & Co 277
Black C 277
Blue Hill Nurs 277
Bobbink & Atkins ..273
Bock W A 291
Bonnot Bros 295
Boston Letter Co ...298
Bradshaw & Hartman 295
Brown Bros Co 277
Brown E C & Co ...298
Brown P 281-93
Burpee W A & Co ..276
Byer Bros 280-81
Caldwell, the Woodsman 293
Cal Carn Co 274
Canadian Advts ...290
Carmody J D 299
Central Mich Nurs .293
Chicago Carn Co ...284
Chinnick W J 277
Clinton Hill G'houses 285
Clucas & Boddington 273-79
Coldwell Lawn Mower Co 300
Collins Thos 293
Conard & Jones Co .280
Cottage Gardens ...285
Cowee A 274
Cowee W J 293
Cowen's N Sons 298
Craig R & Son 291
Crooke J J Co 294
Crowl Fern Co 293
Cunningham J H ...293
Cushman Gladiolus Co 276
Cut Flower Ex 295
Dailledouze Bros ...285
Davis A B & Son ..275
Deamud J B 279
Deming Co 298
De Pew Bros 284
Dietsch A & Co 299
Diller Caskey & Co .299
Dillon J L 281
Dillon G'house Mfg Co 300
Dingee & Conard Co .276
Dorner F & Sons Co 283
Dreer Hy A ...274-78-98
Dumont & Co 296
Eichholz H 281-85
Eisele C 300
Eisele J G 278
Elizabeth Nurs Co ..275
Elliott W & Sons ..274
Elliott W H 273
Emmans Geo M ...291
Endtz Van Nes & Co 277
Evenden Bros 284
Farquhar R & J Co .274
Felthousen J E 293
Ferris Dean 291
F & F Nurseries ...277
Fick & Faber 281
Fillow & Banks 285
Foley J 296
Foley Mfg Co 299
Foster L H 291
Galloway S J 280
Gammage J & Sons 290
Garland G M 298
Ghormley W 295
Giblin & Co 298
Goodale B E 276
Good & Reese Co ...278
Granger R & Co ...290
Grebe H 293
Greene & Underhill 293
Greenhouse Mfg Co 299
Gullett W H & Sons 281
Gunther W H 295
Guttman A J 295
Haerens Bros 291
Hammond J A 295
Harris E 280
Heacock Jos 281
Helios Upton Co ...298
Herr A M 284-93
Herr D K 293
Hermann A 300
Hession H 283
Hews A H & Co ...298
Hicks & Crawbuck ..295
Hill E G Co 297
Hilfinger Bros 298
Hill Top G'houses ..281
Hinode Florist Co ..276
Hippard E 299
Hitchings & Co 300
Hoffman Wm 283
Holton & Hunkel Co .297
Hoopes Bros & Thomas 281
Horan E C 295
Hor'l Advertiser ...298
Hughes G J 280
Hunt E H 297
Igoe Bros 283
Invalid Appliance Co 298
Jackson & Perkins Co 275-76-91
Jacobs S & Son 299
Jennings E B 281
Jessamine Gardens ..276
Jewett City G'houses 283
Johnson & Stokes ...275
Jones H T 276
Joosten C H 281
Kasting W F 296
Kay W H Co 299
King Cons Co 300
Koster & Co 276
Kraft T 285
Kreshover L J 293
Kroeschell Bros Co .298
Kuhl Geo A 278
Lager & Hurrell ...291
Landreth D & Sons 275-76
Lang J 295
Langjahr A H 295
Lenker C 277
Leonhard T 285
Limbach C 298
Littlefield S 283
Little So. Floral Co 284
Livingston Seed Co 293
Lockland Lum Co 299
Long D B 300
Longsdorf C I 277
Lord & Burnham Co .299
Lovett J T 276
Mader P 280
Manhattan Sup Co . 282
Mauger W & Sons ..276
McFadden E C 293
McCarthy N F & Co .296
McKellar & Winterson 297
McManus J 295
Meyer C F 276
Michell H F 275
Moninger J C Co ...300
Moon S C 293
Moon Wm H Co 276
Moore, Hentz & Nash 295
Moore W J 293
Morris J W 281
Moss G M 296
Muno J 297
Murphy Wm ....28[illegible]
Nat Board Trade 298
National Plant Co ..281
N Y Cut Flow Co ..295
Niessen L 296
Norwich Nurs 277
Ouwerkerk P 277
Peacock W P 276
Pennock S S 296
Perkins J J 295
Phila Market 294
Pierce F O Co 299
[illegible] A N 280
[illegible] R Co ....27[illegible]
[illegible] Seed Co 300
[illegible] Nurseries 276
[illegible] Co 296
[illegible] 297
[illegible] M[illegible] Co 298
[illegible] J J 293
Rawson W W & Co 276
[illegible] J I ....29[illegible]
Reed & Keller 298
Reid Ed 296
[illegible] George 297
Reinberg Peter 284
[illegible] J L Co 300
[illegible] I W & Co 293
[illegible] & [illegible] 295
[illegible] Geo 300
[illegible] H M & Co 293
[illegible] J F 280
[illegible] Bros 277
[illegible] Geo 295
[illegible] F & Son 291
[illegible] J C 280
[illegible] W O 275
[illegible] A 291
Scott J 291
Scott R & Son 281
[illegible] G'houses 280
[illegible] Mrs T B Co 275
Sheridan W F ....29[illegible]
[illegible] J G ....28[illegible]
Sloan B S Jr 295
Smith C 295
Smith N & Son 283
Smith Wm C 293
Smith W & T Co 277-81
Soltau C 281
Speelman C J & Sons 276
Springfield Floral Co 281
Stearns A T Lum Co 298
Stern J 300
Stoothoff H A Co ...292
Storrs & Harrison Co 278
Stove & Steele 277
Stumpp & Walter Co 274
Sutherland G A 293
Swayne W 283
Syracuse Pottery Co .298
Taylor E J 283
Thompson J D 285
Thorburn J M & Co 275
Tobacco W & T Co 293
Traendly & Schenck 295
Utica Floral Co 281-91
Vanhorne Griffin & Co 299
Vaughan's Sd Store 274
Vesey W J & M S 282
Vick's Jas Sons 276
Vincent R Jr & Son 277-80-81
Vreeland F D 281
Walz E P 293
Warburton C 283
Waterfield G W 281
Weber C S & Co 298
Weber H & Sons 285
Webster Bros 290
Weeber & Don 274
Welch Bros 296
Weston H 278
[illegible] & Co 298
Whilldin Pottery Co 298
Whitton & Sons 291
Wittbold Geo Co 278
Wietor Bros ....28[illegible]-84
Wood Bros 281
Young J 295
Young & Nugent 295
Zipp H & Co 274

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ...278-80-81-93
Ageratum 278-80-81-91-93-300
Alpine Plants 277
Alternanthera ...280-81
Alyssum ...278-80-81-93
Ampelopsis 278
Anthemis 281
Anthericum 300
Araucaria 278-91
Asparagus ...273-74-77 78-81-90-91-93-300
Asters 274-75-80
Aucuba 273-75
Azaleas 273-75-76-77-78-90-91
Begonias ...273-74-78 79-80-81-91-93
Bougainvillea 278
Box 276
Bulbs (not named) 276-97
Caladium 274-75-76-79-81
Callas 278-80
Camellia 278
Candytuft 280
Cannas ..273-75-76-78-79 80-81-83-93
Carnations .273-74-81-83 84-85-91
Centaurea 274-75
Chrysanthemums 278-80-81-83-85-93
Cinerarias ...278-80-91
Cinnamon Vines ...281
Citrus 276
Clematis 273-75-76-77-78 81-300
Cobaea 275-300
Coleus .280-81-91-93-300
Conifers 276
Cosmos 375
Crotons 278-91
Cuphea 278-80-81
Cut Flowers 294-95-96-97
Cyclamen 280-93
Cyperus 278-93
Dahlias .275-76-79-81-93
Daisies 278-80-81-93
Decorative Plants 291
Deutzia 275-78
Dielytra 273-77
Dracaena 280-91-93
[illegible] 291
Eschscholtzia 275
Evergreens 276-77
[illegible] 275
Fern Balls 273-75-78-79
Ferns 278-81-91-93
Feverfew 281-93-300
Ficus 276-78-91
Fuchsias .278-80-81-91 93-300
Gaillardia 281
[illegible] 273
[illegible] 280
Geraniums 275-78-80-81 83-91-93-300
[illegible] 273
[illegible] 290-91
Gladiolus 274-76-79-93
Gloxinias 273-74-79
Heliotrope 275-80-81-93-300
Herbaceous Plants 277
[illegible] 278
[illegible] 278
[illegible] 275
Hyacinths 276-79-81
Hydrangeas 276-77-78-93
[illegible] 293
[illegible] 278-80-81
Ivy 273-81-91-300
[illegible] 278
[illegible] 278
Kin Kans 276
[illegible] 278-80-81-300
[illegible] 276-78
Lilacs 273-77-78
Lilies 273-74-75-76-77 78-80
[illegible] 300
Manetti Stocks . 273-81
Maples 276-77
Morning Glory 275
Nasturtium 276
Nursery Stock .. 276-77
Orange 276
Orchids 291
Palms 273-75-76-78-90-91
Pansy . 280-81-91-93-300
Pelargonium 283
Peonies 273-76-77
Petunia .275-80-81-91-93 300
Phlox 281
Phormium 275
Phrynium 276
Pilea 280
Primula .. 278-80-81-300
Privet 276-77-78
Rhododendron 273-76-77-78
Romneya 275
Roses ...273-76-77-78-80 81-84-91-300
Salvia . 278-80-81-93-300
Sedum 281
Seeds (not named) 274-75-76-90-97
Selaginella 274-93
Shamrock 280
Shrubs 276-77
Small Fruits 277
Smilax 274-78-81-93
Spiraea 273-77-78-90
Stevia 280
Strobilanthes 280
Swainsona 280-81
Sweet Peas 274
Trees 275-76-77
Tuberoses 274-75-79
Tulips 291
Vegetables ... 275-76-77
Verbena .. 280-81-84-91 93-300
Viburnum 278
Vincas 278-80-81-91-93
Violets 278
Water Lilies 281
Weigelas 278
Yucca 281

MISCELLANEOUS

Auctioneers 296
Boilers 298-99-300
Books 293-96
Business Opps 282
Collections 298
Cut Flower Boxes ..293
Decorative Greenery .293
Designs 296-97-300
Fertilizers 300
Fittings 299
Florists' Letters ..296-98
Florists' Supplies 296-97-98-300
Flower Pots, etc .296-98
For Sale 282
Galax 293
Glass 298-99
Glazing Points 298
Greenhouse Bldg 299-300
Gutters 298-99
Hose 299
Insecticides 274-92-93
Lawn Mowers 300
Lumber 298-99-300
Mastica 299
Mushroom Spawn 275-76
Newspapers 298
Pipe Joints and Valves 282-98-99
Printing 300
Putty 298
Sash 298-99-300
[illegible] 298
Stakes & Supports 274-83
Thermometers 298
Tile 300
[illegible] 294
Toothpicks 293
[illegible] 298
Ventilators 298-99-300
Wants 282
Wax Flowers & Designs 300

CARNATIONS

March Propagation.

There is no doubt in my mind that the best months in which to propagate carnations are January and February. But, in many instances, the 1st of March comes, the tally shows a shortage in stock of many varieties, and as a result a large number of carnation cuttings go into the bench despite the lateness. I have noticed a few points in regard to propagation during March which may be opportune, and which I wish to call to the notice of my readers.

With the coming of longer days, and a stronger sun, we find that cuttings are best taken from the plants during the first part of the day, if the day be bright, for the bright sun, especially after a dark day, renders the cuttings very soft; and when in this condition they are apt to wilt, and we all know what a wilted cutting means. They should be sprinkled, and then trimmed in a cool, shady place. This, you will say, is true at any time; but it is, however, especially true as late in the season as this. More shading in the propagating bench is required and more sprinkling. There is also more danger from a draught than during the Winter months, for, to prevent the temperature of the propagating house from running up more and more, air is necessary; and a draught is liable to be the outcome, which will be very damaging to newly struck cuttings. Better let them run a little warm than risk an excess of air with the destruction which usually accompanies it.

Will a cutting taken during March make as good a plant, in time for benching, as an earlier one? Perhaps not; but there are a few points to be considered. When taken from the bench the plants should be potted off into 2-inch pots and given all possible encouragement, and should be kept in pots until well rooted before planting into the field. This is contrary to the theory that the sooner in the field after the ground is ready the better; but I believe that a plant will be benefited by the delay, and will take hold better in the field than one which is but poorly rooted in the pot. These late cuttings do not make as large plants, and can therefore be planted closer in the houses; and from some samples I have seen I do not believe large plants are a requisite for high-grade blooms. I merely quote the example of Mr. Warburton's Cressbrook, which he exhibited at Brooklyn, and which came from cuttings taken during the month of May. I do not wish to be understood as favoring late propagation, but merely to bring before you a few redeeming features of the case; and where one has a small stock of a choice variety and wishes to increase it all that is possible, it is well to overlook the date for some weeks to come.

The Care of Young Stock.

The subject is old and I have very little new to add; but I wish to call to your attention the requisites of health—plenty of light and air with a proper supply of moisture. Almost any place that is not too warm will do for young stock, and, above all things, it should be kept in a healthy growing condition. To have a cutting, or rather young plant, become pot-bound and, as a result, hard and almost dormant, is to subject it to a check from which it will take a long time to recover. To pull out the top of a cutting is also detrimental, as water lodges there and causes disease and decay. Top the plants only when well rooted and commencing to run up; not just before nor just after a shift; and make a clean cut between the joints with a sharp knife. Look over the young stock and cut off diseased or rusty foliage, and, if kept growing, good healthy stock will be the result.

Further Notes on Varieties.

No one can consider all the varieties in an article of this kind; and no one can grow all that the introducers recommend. In fact, no one grower wants them all; but the past Winter has brought out some good points in some and shown the weaknesses of others.

On the list for next year stands, first of all, Mrs. Thomas W. Lawson, and we hear of very few who cannot do it well. And it deserves its widespread popularity, for it is a great producer and the quality is nearly always all that could be desired.

Queen Louise, with us, comes second, and the call for stock has shown that it will be widely grown the coming year. Governor Wolcott and Norway, for a pair of fancy whites, make a good combination. Lorna is not their equal here in the East, although it has been very fine of late. The Marquis and Floriana! It is hard to make a choice, and we shall continue both another season and until we can pick the winner.

In scarlet, G. H. Crane is still good, but we all know its weakness; while Estelle, though better in color, is for the most part short-stemmed; but these varieties will both retain a place for the coming year; and Adonis will be given a chance to live up to its reputation.

Two of our best commercial varieties are Genevieve Lord and Morning Glory. These, with General Maceo, will be planted heavily. Governor Roosevelt has proven its title to space, and has been with us, exceptionally clean from rust, although many growers have had to discard this variety on account of rust. Golden Beauty is paying its rent promptly, and is one of the best sellers we have, while Eldorado, though producing more bloom, has fallen off and shall be grown only in a limited number. Prosperity, from its record of last year, is an average producer, and is doing well this season. I understand that the New York market will see more Prosperity flowers the coming season than in the past, and it well deserves its place on the list.

Dorothy is one of the best producers, and when well grown the flowers are the equal of the much talked of Mrs. E. A. Nelson. It will be grown heavily, and will replace both the last-named variety, whose many faults are only too prominent, and Mrs. Frances Joost, whose race is run. Enquirer and Cressbrook will keep them company without regrets, for we have not learned to love them; but it is with genuine sorrow that Mrs. G. M. Bradt enters the retiring list. A brighter star is appearing; but a variegated carnation seems to meet with very little approval among the retailers.

Of the new ones, Enchantress, Adonis, Governor Lowndes, Lillian Pond, The Queen, and President McKinley will be given a trial, and, as always, "we hope." It is always "next year" with a florist.

W. R. PIERSON.

BRIEFS FOR BUSY FLORISTS.

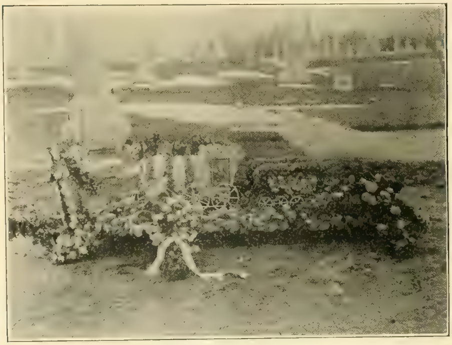
GERANIUMS.—Plants that were rooted last Fall should now be potted into the four-inch size pots. When potting this batch of geraniums there is no need to use soil that has been composted; leave that for plants that have to remain longer in pots than will the geraniums.

HYDRANGEAS.—If the cuttings have not yet been taken for next year's supply of plants, no time should be lost in getting them into the sand. While young stock can be raised at any time during the Spring and Summer, we must remember that it is only from the early rooted cuttings that we can have nice, bushy plants for the Spring of 1904.

PANSIES.—Well filled pans of pansies are always in good demand at Easter; and if selected plants are taken now and planted in suitable sized pans, then given a carnation house temperature, they will come in nicely for Easter business.

COLEUS.—The propagating of this useful bedding plant should be pushed for all it is worth from now on. There never seems to be too many of these plants, and it is a noticeable fact that the demand for a greater number of varieties is growing, though Golden Bedder and Verschaffeltii are the most desired.

PALMS.—There is always a fair demand for palms at Easter, and the getting together of suitable sized stock is in order at the present time. Medium-sized plants of kentias are about the best sellers, though the Areca lutescens is growing in popular favor again.



A LOCOMOTIVE IN FLOWERS

Artist—G. E. Hunt, Rutland, Vt.

A Floral Engine.

The accompanying illustration shows a floral locomotive made by G. E. Hunt, of Rutland, Vt., for the Brotherhood of Locomotive Engineers, sent to the funeral of one of their number, who was killed in the recent railroad wreck near Shelburne, Vt. The design was five feet in length, and was mounted on a track, placed on a platform seven feet long. The body of the engine was composed of carnations, violets, primulas, roses, and galax leaves. The tender and base were filled with roses, carnations, Cape flowers, narcissus, Roman hyacinths, dagger ferns, galax leaves and Asparagus Sprengeri. Fifty dollars was received by Mr. Hunt for the design; and the photographer sold 159 copies of the picture, realizing more money than the funeral piece cost.

QUESTION BOX

Poor Putty.

(61) The action of the soot would have no ill effects on the putty, if the latter is made of the right material We think the putty in question has been of a very cheap grade to have powdered so soon.

To Dye Carnations Green.

(62) We take the following formula from a German authority:

Eighteen grains alum, one quart of water, and enough malachite to give the mixture the desired shade of color Prepare the flowers by dipping them in water at a temperature of 68 degrees first putting in the water two grammes of tannin to the quart. Then dip the flowers in the dye, and do not dip them in clear water afterward.

Manure for Roses.

(63) G. A. C.—As the roses will make a very heavy growth for the next two or three months they will stand a good mulch of horse manure, if the manure is well rotted; or use the sheep manure and loam, mixed in equal proportions and put it on two or three inches thick

Before applying the mulch it would be a good idea to give a slight dusting of bone meal over the surface of the soil, then the meal will get into the soil quicker than if it were mixed with the mulching material. By good care during the Summer months the roses can be carried over easily for another year.

Use of Forced Bulbs.

(64) D. D. H.—The best thing to do with bulbs that have been forced is to throw them away; then when the season rolls around again buy a new stock Bulbs once forced are a long time in getting over it.

Callas for Easter.

(65) D. D. H.—Callas that are showing buds now should be just about right for Easter. No extra forcing at this time would bring flowers for Easter if the buds are not already in sight

Solid Beds vs. Benches for Rose Growing

(66) P. P.—For roses intended for Winter flowering, and where new stock is planted each year, there is no doubt that raised benches are preferable. For Summer blooming, or where it is intended to grow the stock two or more seasons, solid beds are probably the most satisfactory.

Ficus Plants Losing Their Leaves.

(68) Will you kindly give us some information about our rubber plants? They were from 2 to 4 feet high, and we cut off the tops to make the plants branch. In time they did so, but now we find the leaves below where they were cut are turning yellow and dropping off. We have had three or four do this so far, and, if possible, would like to know the cause of it. W. & N.

—The leaves of the rubber plants would probably have turned yellow and dropped off if the plants had not been cut back to make them branch. Rubbers, like any other plants, will commence to drop their leaves after a certain time, and there is no way of keeping the same set of leaves on a plant forever. If the plants were cut down during the Winter months, and while they were in a house not sufficiently hot enough to start them into growth right away, it is possible that the cutting back would hasten the falling of the lower leaves.

The Cohocton (N. Y.) annual sweet pea and floral exhibition will be held at the Presbyterian Church, August 11 and 12 next. Several leading trade firms contribute premiums, among them W. Atlee Burpee & Co., Henry A. Dreer, D. Landreth & Sons, John Lewis Childs, Arthur Cowee, Cushman Gladiolus Company, and W. A. Christy.

A Talk on Ferns.

By N. Butterbach before the Monmouth County (N. J.) Horticultural Society, March 6, 1903.

Considerable care is required in raising ferns from spores. A shallow pan should be used, half filled with broken pieces of pots, or, better still, with mortar from an old wall, and then filled within one-half inch from the top with fine sifted soil, which should be scalded with boiling water, and drained, before the spores are sown, so as to kill the germs of fungus or insects detrimental to the growth of young ferns. The spores should be scattered over the surface without covering them with soil. A pane of glass should be put over the pan, and the latter should be placed in a saucer of water, which will keep the soil sufficiently moist. Keep the pan well shaded until the spores are visible as minute plants.

The chances of getting new varieties by intermixing are not very great, but it is the only way to get any at all, except, perhaps, a chance seedling.

In selecting the spores care should be exercised to take them from that portion or form of the plant which is most desired. For instance, if a crested form is wanted, the spores of the crested part of the plant should be taken, and the certainty of getting crested seedlings is thereby much increased. The minute plants should be taken up in small patches and pricked off carefully, and when they are established and fit to be handled they should be divided and potted off singly.

Plants that have several crowns, or have creeping rhizomes, are easily increased by division. Some species produce small bulbs along, or at the end of, the frond. If those are removed and placed on soil they form plants.

A preparation of soil which suits almost all ferns is a mixture of two parts of good loam, one part of sharp sand and one part of leaf mold. The latter is indispensable in raising ferns to perfection. If the soil does not contain sufficient lime, a sprinkling of the same will be found very beneficial.

Repotting of ferns should not be overdone, as it is known that the most luxuriant growth is made when the inside surface of the pot is covered with a network of roots. Ferns like moisture, and the absence of water is shown by the shriveling of the old fronds.

In herbaceous plants, or plants with woody texture, the young growth wilts first. If the latter stock has been kept too dry the ball can be soaked and the plant will recover; but with ferns it is quite different, as this treatment has seldom any effect on them, with the exception of a few varieties. Repotting can be safely performed at any time of the year, but the best time in the stove house is in February, and in the cool house in March. In any case it is best to repot before the plants start to make young growth. The pots should be clean and dry, as in any other case the rootlets will stick to the sides of the pots; and if the plants require repotting again, they will suffer greatly, as it will be found impossible to remove them from the old pots without breaking a quantity of live roots. New pots will absorb a great quantity of water; therefore they should be soaked in water and dried again. As the first and second waterings would be absorbed by the pots, the balls will become dry, to the detriment of the plant. Although ferns need moisture at all times of the year, drainage is most important. In their natural state most of the ferns grow in partly decayed vegetable matter of a soft texture; therefore, they should be potted firm, but not hard.

Moisture, proper atmosphere and temperature are the most essential; the soil is only of secondary consideration. The ventilation should be managed so that the plants are not in a direct draught; but a close, stuffy atmosphere is more injurious than an excess of ventilation, and more so in the stove house.

A fern house should, whenever possible, be built from north to south, and the plants shaded from the strong rays of the sun, although retaining all the natural light possible. Blinds of unbleached muslin, fastened on the inside, under the roof of the house, we have found the best for this purpose.

One of the most useful, and a very old favorite fern is Adiantum cuneatum, or maidenhair fern. It is of easier culture than most any other fern, and adapts itself to almost any soil and situation. If it is kept moist at the roots it will produce the whole year around an abundance of fronds. It is generally raised from spores, but can be easily propagated by cultivation of the crowns.

A. cuneatum gracillimum is a variation of the above, and one of the most elegant ferns. The fronds attain a height of from 1½ to 2 feet, and are densely tufted. This variety is reproduced true from spores and is of very easy culture.

A. formosum is a strong, handsome greenhouse species, and attains large size. It is very useful for house decoration, and is also of easy culture. It succeeds well in a greenhouse temperature, but if cultivated in stove heat the fronds become much larger and the plant will make a fine specimen. It is raised from spores and by division of the rhizomes.

A. Ghiesbreghtii, or scutum, is supposed to be a variety of tenerum. It makes a beautiful plant for decorative and exhibition purposes.

A. peruvianum is one of the most ornamental stove species of the large growing adiantums. Its graceful fronds are borne on wiry, long stalks from 12 to 18 inches in length, the fronds from two to three feet.

A. tenerum is a stove species, of elegant habit and very large dimensions. It grows wild in Florida on the river banks, and its fronds are from two to three feet in length. If sufficient room is allowed it, this fern makes a grand exhibition specimen.

A. cuneatum grandiceps is highly decorative and robust. It has densely tufted crowns and the fronds are more elongated than in A. cuneatum. Its branches are smaller, and the fronds have an arching habit which makes it suitable for hanging baskets.

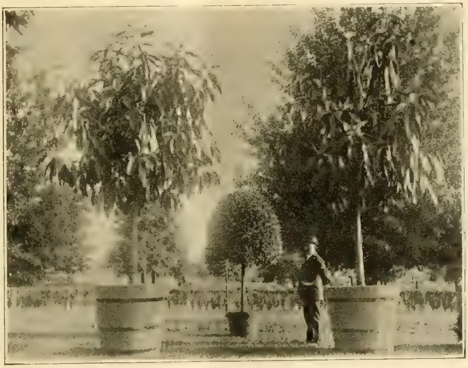
A. caudatum is a stove species, different from the majority of adiantums. It is a very useful fern for baskets, and if suspended, its fronds can be seen drooping two or three feet.

A. capillus-veneris imbricatum is the handsomest of the capillus-veneris varieties. The fronds are borne on slender stalks, pendulous, from eight to ten inches long. The appearance of this plant is that of A. Farleyense, but it is of dwarfer habit. It is classified as a cool house fern, but with us it does best with greenhouse treatment. Its graceful cut fronds are used for dinner table decorations, and the plant makes a first-class house fern.

A. Farleyense, undoubtedly the handsomest of all ferns, has attained such a degree of popularity that any description, however complete, would fail to do it justice. It is supposed to be a natural sport of A. tenerum; but whatever it may be, it shows admirably the gardener's skill, and draws attention wherever exhibited. Its fronds are gracefully drooping. I have seen plants grown at Florham Farms, Madison, N. J., with fronds 2½ to 3 feet in length, and the pinnules, or leaflets, 1½ inches broad; and they were grown entirely in pure fibrous loam. They require a temperature of from 70 to 75 degrees at night, and plenty of moisture. Attempts have been made to raise this fern from spores, but without success, consequently it is propagated by division of the crown.

A very useful fern for decoration, and a very good house plant, is Cibotium Schiedei. Although an arborescent fern, its trunk never attains a height of over two or three feet when artificially grown. It is of free growth and its fronds are elegantly drooping, measuring sometimes from six to eight feet.

In closing, I must not forget to say a good word for a genus of ferns which demands a space in every greenhouse, however small, viz., the nephrolepis. They are valuable as house plants, for rockwork, decorations and baskets. They are most tenacious of life, and will stand a treatment which no other fern would.



TWO MONSTER RUBBER TREES.

Courtesy of J. H. Troy, New Rochelle, N. Y.

New York Florists' Club.

The monthly meeting of the club was held in Civic Hall, 128 East 28th street, on Monday evening, March 9, 1903. President J. H. Troy in the chair.

The outing committee, through Vice-President Traendly, reported that they had engaged a boat, and also secured Witzel's Point Grove, for July 1. W. J. Elliott was on hand with the program of sports, which includes games both ancient and modern, for the delectation of both sexes; and incidentally bagged quite a number of prizes for the event, as well as contracts for advertising space in the program. President Troy headed the list with a donation of $25.00 to be given as premiums in the ladies' contests. It is hoped that the members will encourage the committee by patronizing the advertising columns of the program, so that the outing may again prove "self-supporting."

Secretary Young read the resolutions prepared on the death of the mother of Lawrence C. Hafner, which were ordered spread upon the minutes, and a copy sent to the bereaved family.

Mr. Sheridan made the gratifying announcement that he had been informed through Chairman John N. May of the Legislative Committee, that the express companies had restored the old rate on cut flowers, to go into effect Tuesday, March 10. Mr. Sheridan presumed that this satisfactory result had been brought about partly by the agitation on the subject throughout the country, and quite largely through the efforts of the S. A. F.'s committee. The information given was received with applause.

Owing to the sickness of two of its members, the report of the committee on the matter of the club's special premiums, to be competed for by its members only at the annual exhibition of the Chrysanthemum Society of America to be held in New York City next November, was laid over till the April meeting.

Treasurer Weathered read further payments to the Guarantee Fund, and reported that [illegible] Son, New York, had donated the prize money won by them at the late show to the fund. The club also voted an appropriation of $200.00 for the purpose of raising the Guarantee Fund to the amount necessary to liquidate all premiums, pending a reduction of the sum named through collection of moneys, still outstanding, from guarantors.

The Board of Trustees announced the selection of a new meeting room at the Grand Opera House Building, 23d street and Eighth avenue, a change of ownership of the present meeting place has necessitated its vacation by the club. The room chosen is said to be the best the club has yet occupied, being well suited to the purpose.

A letter was read from W. Wells, of Surrey, England, acknowledging receipt of the medal awarded him by the club for a display of cut flowers of chrysanthemums at the Madison Square Garden Show last Fall. The medal was delivered to Mr. Wells through the courtesy of Alfred Dimmock.

C. W. Ward, Cottage Gardens, Queens, N. Y., exhibited two very fine vases of carnations Mrs. President Roosevelt and Alpine Glow. The exhibition committee, Messrs. Donaldson, Herrington, and Duke, recommended a certificate of merit for both varieties, subject to the rules of the club.

Mr. O'Mara was again unable to be present to submit his motion relative to abolishing the "canteen," except on special occasions. The subject, however, was thoroughly discussed pro and con, and a motion was finally passed to the effect that the Entertainment Committee continue to furnish refreshments at each meeting, as usual, one or two members only dissenting.

Messrs. Weathered, Wallace, and Young were appointed a committee to draft resolutions on the accidental death of a son of Fred. Donahue, a member of the club.

L. V. Hallock and Leonard Vaughan, son of J. C. Vaughan, Chicago and New York, who were present, each made remarks. Mr. Vaughan, who is taking a course in horticulture at Cornell University, and who is in the city owing to the typhoid epidemic at Ithaca, gave an entertaining account of the methods of instruction pursued in the horticultural and agricultural departments of the college, which was listened to with much attention and greatly enjoyed by the members. Messrs. Rennie and Proctor, from Lenox, Mass., were also visitors at the meeting.

Monster Rubber Plants.

Our illustration shows two plants of Ficus elastica, imported for a customer by J. H. Troy, of New Rochelle, N. Y., president of the New York Florists' Club. The plants, after being received, were grown on for a year. At the time the photograph was taken each had attained a height of 18 feet, with a spread of 10 to 12 feet. They weighed in the aggregate 3,700 pounds net. Mr. Troy is seen standing near one of the specimens.

Have Convictions and Stick to Them.

Men who do things, who achieve results, have strong convictions; they believe something in particular, and believe it without reservation. A man who is willing to fight for an idea, to sacrifice everything in order to develop it, has something definite in his life, a specific certainty that will bring him out somewhere in the neighborhood of success.

A man without a policy, without a definite purpose, without a strong conviction of any kind, who believes a little of everything and not much of anything, who is willing upon pressure to relinquish his opinion on any subject, to abandon any idea he has conceived, whether it be feasible or not, who does not hold on to any one thing tenaciously, will never accomplish much in this world.—Success.

Canadian News

Canadian Horticultural Association.

At a meeting of the executive committee of the above Association held in Toronto, March 6, it was decided to hold the sixth annual convention (at Toronto) on Wednesday and Thursday, September 3 and 4. These dates are during the first week of the Industrial Exhibition, which is to be made a Dominion affair this year. Railway fares will be at their minimum rate, which will apply all over Canada and the neighboring States.

The trade exhibit will be held in one of the permanent buildings on the exhibition grounds of sufficiently ample proportions to display a large number of entries. Full particulars will be given at a later date.

There will be four sessions of the convention, three on the first day in the city and one on the second day on the exhibition grounds. The question box will be made a special feature this year, and those who have questions to ask are invited to do so in good time, so that the inquiries may be submitted to specialists to reply thereto. Four essays of special interest will be read.

A. H. EWING.

Woodstock, Ont.

Hamilton.

It looks like an early Spring. The heavy rains of the last few days have pretty well drawn out the frost. We will probably catch it later on, however, but such weather makes it easy to market cinerarias and other plants which are hard to handle.

There is a remarkable change for the better in the health of Easter lilies this year. I read some years ago that the British Government had sent a commissioner to Bermuda to improve the health of the lily crop. He must be getting in his work, for there will evidently be comparatively little loss this year from disease.

The following local men attended the Toronto carnation exhibition: A. E. Cole, Ed. Walker, E. J. Townsend, C. M. Webster and John Morgan.

Toronto Carnation Show.

Though the show was held in a smaller hall, I think the exhibition was of a higher order and commanded more attention than the last one. The attendance of the "wise men of the east" was good to see. Time was when no Canadian floral function would draw the craft more than a hundred miles from home.

There were some fine carnations exhibited. That Flamingo is a "bird" every one admitted when they saw it. It looked well to see a home-grown article win the silver cup for the best vase; of course, flowers grown locally had a big advantage over those that were shipped, and certainly from the point of tasteful arrangement and fresh appearance Dunlop's vase of Mrs. Lawson deserved the award.

The Visit to J. H. Dunlop's.

No doubt about it, a set and sufficient time for an executive meeting is a necessary thing, and the good shape in which business was done at the C. H. A. meeting will surely veto any more hurried or impromptu gatherings.

It was thoughtful of Mr. Dunlop to serve luncheon to his visitors, and it was especially acceptable to those that stayed to look through his place. One needs a substantial meal before starting on a trip through the place these days. Everything I saw bespoke an admirable system and close, thorough cultivation. A carnation exhibition is available any day at Mr. Dunlop's. I was particularly interested in the operation of rose-grafting; it has seemingly been reduced to the precision of a nickel-in-the-slot machine.

The Club Dinner.

This was an event which I should say every one enjoyed. Too bad some more of the Hamilton boys did not see their way to stay.

After the good things had been disposed of a lengthy toast list was begun. This, I think, was the most interesting part of my brief holiday—at any rate, I missed my train without complaint in order to hear the conclusion. The Toronto aldermen made the table decorations do their drill over and over; they served the purpose of illustrating many remarks. The decorations were good, though, and I suppose the gentlemen should be excused for not recognizing the fact that they were only a meager sample of what Toronto could show. But to return to the toast list, it has never been my privilege to listen to as fine an expression of the attainments and ambitions of Canadian floriculture. S. S. Bain's spirited speeches would rouse the drowsiest to enthusiasm, and Tom Manton's speech, from his own little platform, certainly eclipsed all his former efforts. The toastmaster would not allow the boys to sing all Tom's praises—we just had to think them. The musical talent was excellent, and one cannot but remember in this connection the songs by Mr. Lawrence and Mr. Bain.

The Canadian Florist.

D. C. Nixon was on hand at the executive meeting and announced his intention of publishing a paper by the above name, to appear bi-monthly. Mr. Nixon's assurances that he had ample editorial and financial backing were regarded favorably by the meeting, and he announced that the next issue would be mailed on the 16th inst.

I wish "The Canadian Florist" long life and success.

F. G. Foster & Sons, florists, Charles street, have assigned, with liabilities about seven thousand dollars.

BEAVER.

Ottawa.

Toronto Recollections.

I have just returned from the meeting of the executive committee of the C. H. A. and the carnation show at Toronto. The committee made arrangements for the convention in September, which ensure its being the best ever held. All detail, of course, was left to the local committee, who are most enthusiastic and promise the greatest trade exhibit ever seen in Canada.

The meeting was held at J. H. Dunlop's place, and he more than maintained his reputation for hospitality by entertaining us at luncheon. Some thirty sat down. Another treat was a walk around his establishment, which, on the whole, is in fine condition.

A visit to Mr. Dunlop's is always instructive, for he most thoroughly and pleasantly explains everything on the place—shows the results of all his experiments, whether successful or not; roses from cuttings, grafts, roots, one-year-old, 2-year-old; in fact, everything connected with them. You can always see the latest in carnations, and learn from him the good and bad points in each.

In company with Messrs. Bain, Bennett and McKenna I went to Brampton, and there, if possible, got more roses and carnation lore than we well knew how to get away with. In looking over the new range of glass devoted to carnations, the first impression is that one is looking over a large field of grain—it seems so immense. The same may be said of the roses, then again of violets. Perhaps one of the most striking features was the large house full of carnation cuttings, striking and rooted, and looking magnificent. The stock generally was in good condition. Some carnations were, of course, off crop, but still, owing to the magnitude, one gets the impression that they never can be in short supply. The sight of the buildings pays any one for going a long journey, for if not the largest, I should say they were the most complete in every way on the continent.

Findley's place was also visited, and his violets were simply grand, in quantity and quality.

Mr. Jennings, of the same town, has a small place, but it is a picture, mosty in carnations—the best we saw on our trip, in full crop for Easter, not a bursted flower or a yellow leaf.

E.

Toronto.

The Annual Dinner.

The annual dinner of the Gardeners and Florists' Association was held at Webb's on Friday, the 6th, the night after the carnation show. About 75 members and their friends sat down to a fine spread. The table was handsomely decorated by E. Collins and H. G. Dillemuth. A splendid lot of Anthurium Scherzerianum, cypripediums and ferns were on the center of the table, and small palms, cypripediums, begonias, hyacinths and ferns on the ends, with some fine roses, carnations and tulips along the sides. The plants came mostly from the Horticultural Garden and John H. Dunlop; the cut flowers from Mr. Dunlop, the Dale Estate, and the Horticultural Garden. The room was well decorated with tall palms and other plants. Mr. Dunlop acted as toastmaster, a position which is generally filled by Park Commissioner Chambers, but unfortunately that gentleman is ill at present. I am pleased to say he is convalescing. The various toasts were responded to in a fitting manner. Among our visitors from a distance were Mr. Murray, of London, England, and Harry A. Bunyard, of New York.

Carnation Show.

The fifth annual carnation show of the Gardeners and Florists' Association was quite a success, although fewer new varieties were on display than in some former years. Standard kinds were well represented. The show was free to the public and was well patronized.

The challenge cup, won by E. G. Hill Co. last year, with Adonis, was captured this year by John H. Dunlop with a fine vase of Mrs. Lawson. Mr. Hill did not send a defender. The entries for the cup were the J. D. Thompson Carnation Company, Chicago, with Enchantress, a grand variety, which had suffered in transit and was not seen at its best. Weber & Sons, Oakland, Md., sent Governor Lowndes, also a fine variety. It opened up a little sleepy, but improved considerably later. S. J. Reuter, Westerly, entered Lillian Pond, a fine white, strong but rather short-stemmed. The flowers carried well, and were in good condition. Dorner & Sons Co. sent Stella, Apollo, and Sibyl; the latter is not large, but looks as if it were prolific; also Dorothy Whitney. The flowers traveled well. William Murphy sent his white variety, but it was not in a condition to be judged on arrival. The display of the Chicago Carnation Co. consisted of Mrs. Potter Palmer, Her Majesty, Marshall Field, and Harlowarden. The latter did not carry as well as the others.

L. E. Marquisee, of Syracuse, N. Y., exhibited Sunbird and Flamingo. I think the latter was the most admired variety among the new ones in the hall; it stood up well, and its color was very attractive. He also sent a few flowers of Albatross.

Ernest G. Asmus, West Hoboken, N. J., exhibited a vase of the new yellow rose, Franz Deegen; it was recommended for a certificate.

F. R. Pierson, Tarrytown, N. Y., had a specimen of his new fern, Nephrolepis Piersoni, which also was recommended for a certificate.

The winning of the challenge cup by Mrs. Lawson carnation again proves what a grand variety it is, for, although it had the advantage of being grown locally, the newer sorts in competition with it were very fine.

The roses, carnations and violets from The Dale Estate were in good shape. Mr. Dunlop's exhibit—carnations, roses, bulbous stock and plants—was much admired. Other exhibitors were: W. J. Lawrence, plants, cut roses and bulbous stock, a vase of Ivory being of special merit; Jay & Son, plants and bulbous stock, and Manton Bros., orchids.

The judges were Messrs. S. S. Bain, J. McKenna, and Joseph Bennett, of Montreal; and E. I. Mepsted, of Ottawa.

C. H. A. Executive.

The meeting of the executive committee of the C. H. A. was held at the Dunlop's greenhouses, March 6. Among those present were: Messrs. Bennett, of Montreal; Mepsted, Ottawa; Webster, Hamilton; Ewing, Woodstock, and Dunlop and Manton, of Toronto. Several of the members were also present, and assisted the committee in its deliberations.

It was decided to hold the convention during the first week of September next, on Wednesday, Thursday and Friday. Friday will be given up to pleasure. Not quite so many papers as last year will be read, but the Question Box will be made more interesting. It is expected the trade exhibit will be staged in the fruit building of the Industrial Exhibition. George Mills will be superintendent. The general arrangements connected with the convention are left in the hands of the local society. John H. Dunlop has undertaken to supervise the preparation of the program.

Mr. Nixon was sanctioned to use the association's name in connection with his paper, The Canadian Florist. It was understood that this privilege might be withdrawn at any future meeting. The gathering was very harmonious, and after adjournment the members were entertained by Mr. Dunlop at lunch, when a very pleasant time was spent. THOS. MANTON.

THE MARKET

OTTAWA. The snow is fast disappearing and the weather is fairly bright. Stock is looking well, but is not in supply equal to the demand. Carnations are somewhat off crop, always excepting Mrs. Lawson, which never seems to need a vacation. The sale of bulbous flowers continues good. Lily of the valley is good and plentiful, selling well.

In plants, the promise for an extra fine stock for Easter is bright. Easter being late, a great deal of thinking and moving around are required. Crimson Rambler roses look at present at if they had not been given time enough.

This week Parliament opens, which means a lively hustle in the provinces for flowers for the drawing room on Saturday, the floral feature of the season. The demand promises to be up to that of former years. E.

TORONTO. Business has improved a little. Roses still keep up well in price, but are getting more plentiful. Carnations are also in greater supply. Violets are cheap, but generally clean up pretty well; bulbous stock is very plentiful and cheap.

The Dutch army still keeps coming, and if Canada is not well stocked with bulbs next Winter it will not be the fault of the drummers.

The weather is warm and the snow is nearly all gone from this district; in many places the frost is out of the ground. In the city tulips and crocus are showing above ground, and there is every appearance of an early Spring T. M.

MARSHALLTOWN, IA.—O. E. Garlinghouse, a member of the seed firm of Garlinghouse & Wilson, is missing. He had no financial troubles and his accounts with his firm are all in good shape. It is thought by some that Mr. Garlinghouse may have met with foul play but his wife does not accept that solution. She says he had no enemies.

EASTER STOCK

Genistas, 3 in., good for Easter, 90 cts. per 10.
Primula obconica, 5 in., in bloom, $1.20 per 10.
Kentias, 4 in., good, 5 leaves, 3.50 per 10.
Phœnix Rec., 5 in., 5-6 leaves, $1.50 per 10.
Asparagus Plumosus, 3½ in., fine, $1.00 per 10.

Webster Bros., Plantsmen, Hamilton, Canada

NEW CROP FLORISTS' SEED

All the leading varieties for present sowing. We give you the largest trade packets going, and guarantee the seed fresh and of the highest quality. Our own specialties are well known **Aster, Cyclamen, Cineraria, Centaurea, Mignonette, Nasturtium, Pansy, Petunia, Stock,** and **Verbena.** Send at once for new Catalogue.

E. GRAINGER & CO., 12 Yonge St. Arcade,
Conservatories, Deer Park. Toronto, Ont.

FLOWERING PLANTS
For Easter

Now is a good time to buy
Azaleas, Spiræas, Etc.
They ship better than when in full bloom.

J. GAMMAGE & SONS
LONDON, ONTARIO
Mention the Florists' Exchange when writing.

Chicago.

Among the Growers.

A visit to the establishment of John Lang, Melrose and Robey streets, found him busy preparing for the Spring plant business. He devotes his entire place, seven houses, to bedding plants, and finds a ready sale for his whole output at the greenhouses. This, he says, is more satisfactory than to employ a man to sell the plants from a wagon. When his customers come from any distance he hires an express wagon to make the deliveries for them. He has been in business at the same place for the past 16 years.

Jottings.

The express companies have at last listened to the appeals of the florists and have concluded to restore the old express rates after the 10th of this month. E. E. Pieser has been an energetic worker to get this rate and deserves the thanks of the florists in the vicinity of this market.

Wietor Bros. report the largest sales of carnation cuttings the present season of any since they started in business. They are also doing an immense shipping trade in cut flowers.

A look into the seed stores finds the early customers buying their first instalments of seeds; and if we have a few days of such nice weather the seed houses will be soon in the rush of Spring trade. Up to the present time it has been rather slow.

One wholesale house had an order on Friday for 45,000 carnations, 3,000 roses and 1,000 ferns, all from one firm. This order is to be duplicated, as near as possible, every Friday for the rest of the Spring.

The greenhouse construction men are running their mills to their full capacity trying to keep up with orders, and are also working nights and Sundays at office work. They say trade was never so brisk at this time of year as now.

The Chicago Flower Growers' Company is adding to its list of growers almost every week. Beginning with 12, that number has increased to 22. Every one seems satisfied with business. Vaughan's Seed Store is represented on the floor with samples of well-grown Boston ferns, palms, rubbers and a variety of miscellaneous stock, besides a full line of florists' supplies.

Visitors in town included: George W. Caldwell, president of Caldwell the Woodsman Company; Peter Fisher, Ellis, Mass.; A. N. Kinsman, Austin, Minn.; H. W. Peirce, Waltham, Mass.; B. Eschner, Philadelphia, Pa.; J. Niednagel, Evansville, Ind.; C. L. Brunson, Paducas, Ky., and J. L. Loosé, Alexandria, Va.

ROBERT JOHNSTONE.

KALAMAZOO, MICH.—The Central Michigan Nursery will remove its general offices from the Pratt Block to 304 West Main street about the last of March. A complete retail store for cut flowers, flowering plants and palms will be opened. The company will also carry a full line of bulbs and seeds of every description.

Asparagus Sprengeri

3 in., $5.00 per 100; 2 in., $2.50 per 100; $20.00 per 1000.

DEAN FERRIS, PEEKSKILL, N. Y.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER.

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 each. These are extra large, shapely plants, full of bud.

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per doz.

Double Fuchsias, red, white and blue. 3 inch, $3.00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in cold frames, 50c. per 100, by mail. $3 per 1000, by express.

Mammoth Verbenas, 60c. per 100 by mail. $5.00 per 1000. **Cinerarias,** 5 inch, $1.50 per doz.

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller, very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 4 in., strong, $6.00 per 100.

Coleus, R. C., mixed, $5.00 per 1000; 60c. per 100. Red, yellow and black, $7.50 per 1000, 80c. per 100.

L. H. FOSTER, 46 King St. **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

Mention the Florists' Exchange when writing

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100; 3 in., $5.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.

Carnations, Portia, Ethel Crocker, Goodenough, Wm. Scott, White Cloud, F. L. Ine.

Coleus, mixed, **Argeratum,** blue and white, **Verbena, Scarlet Sage.**

Petunia, Lobelia.

All 2 inch pots, $2.00 per 100.

Pansies, ready to bloom, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. heads, $11.00 per doz.; one plant, $1.00. Larger plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $8.00 per 100; 4-in. pots, $15.00 per 100, $2.00 per doz.; 5-in. pots, $25.00 per 100; $3.50 per doz. 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100; $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI, 2½ x 3½ inch pots, $3.00 per 100; $25.00 per 1000

Strong, well-established plants, splendid value.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

Decorative Palms

Araucarias, Ficus, Bay Trees!

And smaller size Palms for Spring shipment. Carefully grown and packed by

HAERENS BROS., Somergem, Belgium

Sole Agents:

AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

FOR EASTER FLOWERING

Azaleas, extra large plants, full of buds, $1.50 each; good sized plants $1.00 each.

Genistas, in bud and bloom, large plants $3.00 per dozen; smaller plants $2.00 per dozen.

Cinerarias, fine plants, $1.50 per dozen.

Fuchsias, all colors, 3 inch, $4.00 per 100; 4 inch, $6.00 per 100.

UTICA FLORAL CO., UTICA, N. Y.

Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

Coal Didn't Bother Us!

We are Headquarters for

Easter Plants

Blooming Easter Week or Before.

I have an immense stock of the finest and choicest in Philadelphia, and in such quantities that exceed anything that I have ever offered before. Several new greenhouses have been added to our large establishment, and these, with many hot-beds, are devoted to the entire cultivation of Easter plants alone; therefore I will be prepared to fill all orders if sent in time as far as the supply will reach.

AZALEA INDICA.

Have two houses 20 x 100 feet full of these choicest and most favorite Easter plants. Most of my customers already know that I am agent for a large concern in Ghent (Belgium), O. Vanden Plas; therefore I can offer you plants at first hand and not through the middleman. In the interest of my customers I go there every year if possible and select my stock personally for the American market. **Notice:** My Azaleas as soon as they arrive from abroad are planted in pots and pinched out as often as it is necessary and taken care of all winter, while some florists place their plants in hot-beds or frames without pots until sold.

MME. VAN DER CRUYSSEN is a rare article this Easter, but as a novelty I can offer about 700 (6-in. pots) of the finest middle-sized plants of this variety, and these are the finest you ever laid your eyes on, as round as an apple, covered with buds. Price, 75c., $1.00, $1.25 each. Specimen plants, 10 and 11-in. pots, $4.00 and $5.00 each.

Other choice varieties in double white, we have Niobe, Bernhard Andreas alba and Deutsche Perle. In pink we have Simon Mardner, Dr. Moore, Memorier, D. L. Van Houtte, Paul Weber etc. In variegated we have Empress of India, Prof. Walters, Vervaeneana, and about eighteen more best varieties of all shades and colors, too much to mention. Price 6-in pots, 60c., 75c., 85c., $1.00 and $1.25 each. Specimens, 7-in. pots, $1.50 and $1.75 each.

AZALEA MOLLIS, a novelty when in bloom, 6-in pots, 60c and 75c.

SPIRÆA COMPACTA, 6-in. pots, $3.00 per dozen (my own importation, fine, bushy plants). Cineraria Hybrida (perfect jewels), all shades and colors, full of buds and flowers, 6-in. pots, $3.00 and $4.00 per dozen; smaller plants 5 and 6-in. pots, $2.00 and $2.50 per dozen.

DAISIES, white and yellow, 6-in. pots $3.00 per dozen.

LILIUM HARRISII. Have about 2500 of these (H. F. Michell's selected bulbs, 7 x 9, at $120 per 1000); height from 15 in to 36 in., 5 to 10 buds to the plant, at the rate of 10c. per bud. Lilies are scarce, other plants must accompany the order.

HYDRANGEA OTAKSA (pink). Have a large housefull in tip-top condition, better than ever; strong plants, 6 in. pots, $4.00, $5.00, $6.00 to $9.00 per dozen. Specimens, 7-in. pots, $1.00, $1.25 and $1.50 each (a few white ones at $3.00 per dozen).

BEGONIAS. Pres. Carnot, 5-in. pots, $2.00 per dozen; 6 in. pots, $3.00 per dozen.

BEGONIA Metallica, 6-in. pots, very large and bushy, $4.00 and $5.00 per dozen.

BEGONIA Vernon (dark red), a new variety from Switzerland, 6-in. pots, full of flowers, $3.00 per dozen.

BEGONIA Vernon (dark red), 4-in. pots, $1.50 per dozen.

BEGONIA, Mixed, 4-in. pots, $1.20 to $1.50 per dozen.

HYACINTHS, all named varieties, from first-sized bulbs of my own importation, all fine shades, $10.00 per 100.

TOURNESOL TULIPS (double red and yellow striped) best double Tulips in existence, sell at sight, three bulbs in a 4-in. pot, $1.50 per dozen pots.

DAFFODILS (Von Sion), double-nosed three bulbs in a 5 in. pot, unusually fine this year, $2.00 per dozen pots.

Mr. G. Aschmann has very fine azaleas, hydrangeas, Easter lilies, spiraeas, cinerarias, tulips, hyacinths and other plants in bloom and bud. We very highly recommend our customers to Mr. Aschmann for fair and reliable business treatment. (Signed) Henry F. Michell, 1018 Market St.

No use talking, Mr. Aschmann has a very fine lot of Easter plants, and I am greatly surprised at the low prices quoted on same. I can recommend Mr. Aschmann to anyone, as I have known him for the past 20 years. (Signed) Geo. Huster, head gardener of Girard College, Philadelphia, Pa.

There is nothing too much said in Mr. Aschmann's ad; all that is said is true. (Signed) Thomas Logan, head gardener to W. L. Elkins, Ashbourne, Pa.

On account of saving express charges please mention if plants are to be taken out of pots or not.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere; only 25 minutes' ride from City Hall. Take 13th St. car, or Germantown car 8th and Market Sts. north to Ontario St. and walk one square east. Cash with order, please.

Money can be sent safely by Express or Postal Money Order, Registered Letter or Draft.

All goods shipped at purchaser's risk.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.
Importer and Wholesale Grower of Pot Plants.

Mention the Florists' Exchange when writing.

Clerodendron Balfourii.

The accompanying illustration gives but a faint idea of the beauty and free-flowering qualities of this handsome greenhouse climber. The flowers are bright crimson, and although somewhat short-lived, the pure white calyces are in themselves pretty and retain their beauty for a considerable time after the flowers have fallen; and as fresh blooms keep expanding toward the end of the panicles, the beanty of the panicles is maintained for several weeks.

The plant illustrated has been in its present location for about six years, having been planted at that time out of a six-inch pot. Growth was somewhat slow at first, but once established, it made rapid progress in covering the space on the wall alloted to its accommodation (a space of about 70 square feet). This it covered in about two years, and since then it has only been kept within bounds by a frequent and liberal use of the knife. If allowed to roam at will, it is hard to tell just how much space it would have covered, up to the present time; certainly several hundred square feet.

The bench in which it is planted is at the warm end of the rose house, and the temperature and conditions there seem in every way to suit its requirements. The only attention the plant gets in the way of soil is a fresh top dressing when the rose benches are filled.

The photograph from which the illustration is made was taken in May of last year. Flowering continued for about two months. After flowering, the plant was allowed to dry somewhat to insure the proper ripening of the wood. It was then severely cut back, and again it bloomed freely in September. A liberal supply of water, when in active growth, seems to be essential to its well-being; and flowering is materially assisted by an occasional application of liquid manure.

In the raising of young stock of clerodendron propagation is most conveniently accomplished by cuttings, though seed may be employed where cuttings can't be procured. Side branches about 4 inches long, taken off with a heel when the wood has become partly ripened, will make the best cuttings. If taken too soft, they don't stand up well; and if too hard, they don't root so freely. A propagating bed, where the plants can be kept somewhat close, and where a temperature of 70 to 75 degrees can be maintained, will root them readily. For the first potting, a light, rather sandy soil is preferable, and while their cultivation is confined to pots the soil is all the better if not too retentive. But when the plants attain sufficient size, I would advocate planting in a box, or bench, in preference to pots, as the roots seem to want plenty of room to ramble, and here will thrive in any good ordinary soil.

To insect pests clerodendrons are not very susceptible, though mealy bug, red spider or aphis will attack them if they are brought in contact with plants infested with these pests. But, as a general rule, the plant can readily be kept clean by an occasional good syringing.

To prevent burning of the foliage a slight shading is necessary during the warm Summer months, but the shading should not be overdone, or it may prevent the proper ripening of the wood. Shading may be removed altogether by the end of September and need not be again applied until April. SCOTIA.

American Institute (N. Y.) Show.

The annual Spring rose show of the American Institute was held in the Berkeley Lyceum, New York, on Wednesday and Thursday of this week. While the exhibits of roses were not numerous, the quality was well up to the average.

The general appearance of the show was considerably enhanced by exhibits of palms and flowering plants from H. A. Siebrecht & Son, New York, and by Lager & Hurrell, Summit, N. J., who had on view a very choice collection of orchids in full flower. There were also several exhibits of carnations, notably three vases from Dailledouze Bros., Flatbush, who staged Prosperity, White Cloud and Fragrance.

W. C. Russell, Millbrook, N. Y., exhibited a new crimson carnation, named [illegible] which seems to be a very good variety. The flower is three inches across, carried on a long stem, and is of a rich deep crimson color.

In the competing classes for carnations, Mr. Russell took first prize for three varieties; W. Waite, second. The winning varieties were Dahein, Mrs. G. M. Bradt and White Cloud. In the class for five varieties of carnations, C. H. Allen, Floral Park, N. Y., was the winner, with Lizzie McGowan, Wm. Scott, Mrs. Thos. W. Lawson, Fair Maid and White Lawson.

Two or three lots of violets were on exhibition. George Hale carried off first prize for 100 single; W. C. Russell being second. For double varieties George T. Schunemann, of Baldwins, L. I., was first; Howard Nichols second.

George Hale showed a nice group of Primula obconica; and Robert Allen, gardener to Mr. E. C. Benedict, Greenwich, Conn., a group of nice cinerarias.

In the rose classes there was only one entry for 50 American Beauty; this was from the Briarcliff Greenhouses, and was awarded a first prize. For twelve American Beauty Howard Nicols won first premium; C. F. Bertanzel, second.

In the commercial class for twelve American Beauty Edwin Waller, of Morristown, N. J., took first. John N. May, of Summit, N. J., won out for 25 Mrs. Oliver Ames, second for 25 Bride, first for 25 Papa Gontier, and second for 25 Bridesmaid. John R. Mitchell, Madison, N. J., was first for 25 Bride; also for 25 Bridesmaid.

For 12 Bridesmaid George H. Hale won first; W. C. Russell, second. For 12 Bride Mr. Hale was again first. For 25 Ivory the first prize went to John N. May, the second to Ernest Neward, Hackensack, N. J. Mr. May likewise took first prize in each of the following classes: 25 Perle des Jardins, 25 Golden Gate, 25 Mrs. Pierpont Morgan. He also exhibited a bunch of his new white carnation, The Bride. For 12 Bridesmaid John R. Mitchell was first and Edwin Waller second. For 12 Perle des Jardins, C. F. Bertanzel was the winner.

For 12 Bride in the private gardeners' class, George Hale was first, and W. C. Russell second. For 12 Bridesmaid Peter Duff took first; George Hale second. For 12 Mrs. Pierpont Morgan, W. C. Russell was first; George Hale, second. For 12 Golden Gate, the first went to Howard Nichols; second to Peter Duff.

In the classes for single roses Peter Duff was first for American Beauty; C. F. Bertanzel, second. For Bridesmaid, no first prize was given, but W. C. Russell and Peter Duff were each awarded a second. For Mrs. Pierpont Morgan, W. C. Russell took first; George Hale, second. For Bride, Howard Nichols was first; Peter Duff, second. For Kaiserin Augusta Victoria, Mr. Hale was the only exhibitor and was awarded first prize. Howard Nichols took first for Meteor; Peter Duff first for Mme. Caroline Testout; George Hale first for Souvenir du President Carnot; C. F. Bertanzel for Perle des Jardins; Howard Nichols for Balduin; Peter Duff for Golden Gate and Mrs. Oliver Ames.

The judges were Messrs. Frank L. Moore, Wm. Turner and Mr Chas. B. Tanner.

Providence, R I.

Jottings.

Mr. Keller has moved into new quarters, which are nicely fitted up.

The Boston Store had a 12c. sale of violets the other day and the demand was heavy. However, the blooms were not as good as the regular flower store article.

The town was full of violets at low prices and the Princess of Wales was most in evidence.

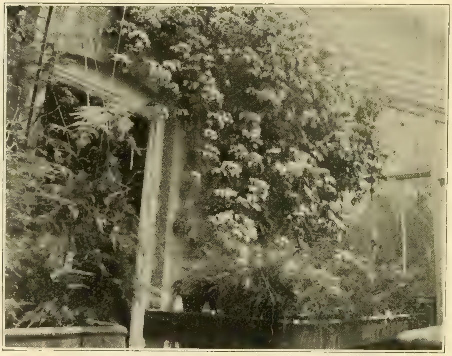
Although there is a lull now, March should see a good month's business.

In Boston we noticed an elegant one hundred Enchantress. The bloom is great in size and color, but looks as though it might bruise and discolor in handling.

J. Newman & Sons were hustling with funeral work. It was a pretty sight to see nine adults working hard on this kind of designing, and doing it without confusion, too.

Wax Bros. always keep a pretty window, and are original in their effects

It would seem as though the little florist, next to Galvin, would hurt the big store on violets. The small place has an immense stock, at low prices. I wonder how Galvin explains the difference in price. C. S. MACNAIR.



CLERODENDRON BALFOURII GROWING IN ROSE HOUSE.

Washington, D. C.

Some Staff Changes.

Mr. Haase, late with A. Gude & Bro., is now with George Cook.

Chas. W. Wolf, formerly with Blackistone, has accepted a position with Geo. C. Shaffer, and has charge of the Pennsylvania avenue store.

Mr. Suppert, late with Loosé, is now with Henry Pfister.

Wallace Kimmer, lately of Blackistone's staff, has joined forces with A. Gude & Bro.

A Beautiful Wreath.

For the funeral of Hubbard Smith, who died in Italy, J. R. Freeman made an elegant design in the form of a placque, on which was the insignia of the Columbia Athletic Club, surrounded by a double crescent wreath of magnolia leaves, and having a cluster of dendrobiums and Adiantum Farleyense on the left upper side; on the lower right side was a cluster of roses. The wreath was 6 feet 6 inches in diameter. C. W. W.

Pittsburg.

The Week's News.

J. W. Ludwig has returned from his Eastern trip and brought some new ideas with him. He is a great observer and nothing of any importance in the florist line escapes his eagle eye.

Joseph A. Goudy, representing Henry A. Dreer, Philadelphia, spent several days in our vicinity. He is showing and taking orders for Fall delivery of the new Pandanus Sanderi, a beautiful plant far ahead of Veitchii, and said to be as hardy and easier to grow. Mr. Goudy made some good sales in our town.

M. L. Twomley, representing the J. W. Sefton Mfg. Co., paper box manufacturers, was also a visitor.

W. Clark, treasurer of the Pittsburg Cut Flower Co., has the sympathy of his many friends in the loss of his daughter, Letitia, 5 years old, who died March 11.

At last the express company has come to terms. Notices have been sent to all in the trade that the rates on cut flowers have been restored to the old figures.

John B. Ferguson, a well-known East End florist, was shot and killed at New Castle, March 9. Mr. Ferguson was about 50 years old, and had been conducting a landscape and general florist business for many years. Some few years ago he operated a wholesale cut flower store on Sixth avenue, but could not make a success of it, and went back to the florist trade, having a store in the East End. Lately he was associated with his brother in the tobacco business in a small way.

E. C. REINEMAN.

Cleveland.

Club Notes.

At the club meeting Monday night about forty members were present. Mr. Tilson was elected to membership. George W. Smith, of Wade Park avenue, had a nice vase of his seedling pink carnation Magdalene on exhibition, and G. M. Nauman exhibited his seedling Miss L. Nauman. Both were much admired. They will be offered to the trade next season.

It was decided to have a carnation night at the next meeting, which occurs on Monday evening, March 23. All the new varieties will be there, as well as some of the standard sorts, and from the arrangements that are being made it will be quite a show.

Mr. Weiss of Philadelphia, was a guest of the club at the meeting, and gave his opinion on the carnations that were staged.

Walter Mott, of Jamestown, N. Y., called on the trade this week, and reports business good; also that the Lakeview Rose Gardens will erect another range of houses as large as those put up last year.

J. B. Whitaker, of Canton, O., was in the city buying up Easter stock.

F. M. Smith, of Smith & Fetters, has left for a three weeks' stay in Florida in order to gain strength after his siege of sickness. Ed Fetters will return from Arizona, where he has been in search of health. J. A. Eastwell, of the same firm, will leave for the East this week to buy Easter stock. He will take in Dreer's and a few more of the largest growers around New York and Philadelphia.

Fred Aul, of Glenville has a pure white sport of G. H. Crane carnation.

G. W. S.

CATALOGUES RECEIVED.

WAGNER PARK CONSERVATORIES, Wagner, O.—"A Catalogue of Floriculture," beautifully printed and illustrated; enumerating a General Collection of Useful Plants for Greenhouse and Garden.

E. C. BROWN & CO., Rochester, N. Y. —Catalogue of Spray Pumps, including the "Auto-Spray" Vineyard, Orchard, and Farm Spraying Rigs, etc.; Nozzles, Tanks, and Other Kindred Appliances. Contains a spray calendar and valuable up-to date formulæ for spraying mixtures. Illustrated

Fumigating Kind TOBACCO POWDER

KILLS ALL APHIS IN ONE NIGHT.

In a house 100×25 ft., at a cost of 10c. A 5 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tells of it. Write Dept. B for it. THE H. A. STOOTHOFF CO., 116, 117, 118 West St., N. Y. City.

GERANIUMS

ooted Cuttings S. A. Nutt, Buchner, Favorite,
ntmart, Castries, $1.25 per 100; $10.00 per 1000.
itevine, $1.50 per 100; $12.00 per 1000.

Extra strong transplanted, from soil, 6000
ontmart, $14.00 per 1000.

Cash with order.

ETER BROWN, Lancaster, Pa.

ention the Florists' Exchange when writing.

OOTED CUTTINGS

	100	1000
leus, assorted	$0.60	$5.00
" Verschaffeltii, red and yellow	.70	6.00
raniums	2.00	15.00
geratum, Stella Gurney	.75	6.00
lyssum, double	1.00	8.00
npatiens, the Queen	3.00	

Send for list of Chrysanthemums and Carnans.

entral Michigan Nursery,

KALAMAZOO, MICH.

ention the Florists' Exchange when writing.

ERANIUMS

phonse Ricard
hn Doyle
mtesse de Harcourt
Soleil
nteau de Feu
fred Tennyson
ic de Montmart
me. Landry
arg. de Castellane
rminaum

Beaute Poitevine
Jean Viaud
Mme. Buchner
La Favorite
Mons. Rompler
Mme. Jaulin
Marvel
S. A. Nutt
Rosea plena
Thos. Meehan

Above varieties out of 2-inch pots, your selecn, **$2.50** per 100; my selection, **$2.00** per); **$18.09** per 1000.

AGERATUM

Best Dwarf Blue, 2 inch, $1.00 per 100; $8.00 r 1000.

HELIOTROPE

Best for pots, 2-inch pots, $1.25 per 100.

HENRY GREBE, Florist,
amaica & Van Wyck Aves,
RICHMOND HILL, N. Y.

ention the Florists' Exchange when writing.

GERANIUMS

2 and 2¼ in. pots. ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. ant, John Reed, Francis Perkins, Richard utt, Montague, Ruy Blas, La Favorite, Bruti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and veral others.

Also Mme. Sallerol, in fine shape.

Happy Thought, 2¼ in. pots, $3.00 per 100.

	100	1000
leus, in variety, rooted cuttings	$0 60	$5 00
" " in 2¼ in. pots	2 00	18 00
ouble Petunias, Dreer's strain, R. C.	1 25	10 00
" " Dreer's strain, 2¼ in. pots	1 75	15 00
eliotrope, all dark, R. C.	1 00	9 00
" " " 2¼ in. pots.	2 00	18 00
everfew, Little Gem, R. C.	1 25	10 00
" " " 2¼ in. pots	2 00	18 00
geratum, in variety, R. C.	60	5 00
" " 2¼ in pots	1 25	10 00
uchsias, in variety, R. C.	1 00	
" " 2¼ in. pots	2 00	18 00
incas, R. C	1 00	9 00
" 2¼ in. pots	2 00	18 00

Cash with order.

E. FELTHOUSEN, Schenectady, N.Y.

ention the Florists' Exchange when writing.

Groff's Hybrid Gladioli

Guaranteed Genuine

	Per 1000
Blooming Bulbs, 1 inch and up	$12 00
Medium (will bloom), ⅝ to 1 inch	6 00
Small Bulbs, ⅝ inch and under	3 00

BULBLETS, $1 00 per 1000, 2000 for $1 50

Ideal Mixture, a fine florist mixture. Made up of selections of five years' careful growing of many named varieties, choice seedlings, etc., and contains a large per cent. of white, light and yellow vars. at one-third price of Groff's. Also a limited quantity of seed saved from the choicest marked flowers of Groff's, Childsii and Gandavensis vars., at 10c. per pkt., 3 pkts. 25c. Bulblets and seed prepaid. Bulbs at purchaser's expense. Cash. Satisfaction guaranteed. 500 at 1000 rate

EDGAR P. WALZ,
General Delivery, Akron, Ohio

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Landry, Nutt, Buchner, Ricard, Poitevine, Perkins, J. P. Cleary, Dryden, other finest single and double. Ivy, eight best doubles, and Dwarf Mt. of Snow $15.00 per 1000 for assorted lots, R. C. one-fourth less.

COLEUS Very brightest fancy, $5.00 per 1000; G. Bedder and G. Queen, 60c. per 100. Giant leaved, 20 kinds, very showy, $1 00 per 100.

CANNAS Scarlet, white, yellow, crimson and gold edged, pieces, $1.00 per 100.

Heliotropes, dark, sage, dwarf and tall, Ageratum, Pauline, plants $1.00 per 100; R. C. 60c. per 100; Pansies and Giant Single Petunias transplanted, 80c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane St. N Y.

GERANIUMS, Labeled, 2-inch, $2.00 per 100.
CHRYSANTHEMUMS, Labeled, 2-inch, $2 00 per 100.
SELAGINELLA DENTICULATA, 2-inch, $2 per 100. No. 1 stock. Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

Geraniums

ROOTED CUTTINGS.

For Delivery April 10.

Heteranthe, Buchner and **S. A. Nutt,** at $1.25 per 100; $10.00 per 1000.

Castellane, Viaud, Perkins, Poitevine, Landry and **Ricard,** at $1.50 per 100; $15.00 per 1000.

Acteon, La Favorite, Bonnot, La Pilot, Castris and **Jaulin,** at $1.50 per 100. Not enough for 1000 sales.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., fine plants, 2½ in. pots	$2.50 and $3 00
10 var., fine plants, 3 in. pots	4 00
Coleus, 16 var., 2 in. pots	2 00
Double Petunias, 2½ in. pots	3 00
Verbenas, 2½ in. pots	2 00
Vinca Var. Vines, 2 in. pots	2 50
Asparagus Sprengeri, 2 in. pots . . . 1000, $18 00;	2 00
PANSY PLANTS . . 1000, 2 50;	50

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

Three Million Hardy Cut Ferns

Now For Sale

$1.30 per 1000.

Spagham Moss, 60c. per bbl. **Laurel Wreathing,** for Easter, $4.50 per 100 yds., **Bouquet Green Roping,** for Easter, $6.00 per 100 yds. Cash with all orders. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, HINSDALE, MASS

Mention the Florists' Exchange when writing.

Order Direct from Headquarters

A No. 1 **Dagger** and **Fancy Ferns,** $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze** and **Green Galax,** $1.00 per 1000 in 5000 lots. **Laurel Festooning,** good and full, 5c. and 6c. per yard. **Leucothoe Sprays,** $1.00 per 100. **Green and Sphagnum Moss,** $1 00 per bbl. Southern **Wild Smilax,** selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

HENRY M. ROBINSON & CO.,
34-38 Court Square, **Boston, Mass.**

Mention the Florists' Exchange when writing.

GALAX

Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale; Southern Wild Smilax, 50 lb. case, $6 00, 35 lb. case, $4.50; 25 lb. case, $3.50; Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

L. J. KRESHOVER, 110-112 W. 27th St., **New York.**

Tel. 597 Madison Square.

Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover**; in Philadelphia by **S. S. Pennock**; in Pittsburg by **Pittsburg Cut Flower Co.**; in Buffalo by **Wm. F. Kasting.**

Mention the Florists' Exchange when writing.

Galax and Leucothoe

We are situated in the heart of the finest section known for the above Evergreens.

Galax, Green and Bronze, 45c. per 1000.

Leucothoe Sprays, Green, $2.00 per 1000.

These prices are cash, f.o.b. Elk Park, N. C. We handle nothing but the best. All orders promptly filled.

F W RICHARDS & CO., Banners Elk, N. C

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; H. G. Berning, St. Louis, Mo.; J. M. McCullough's Sons, Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower

CUT GREENS

Asparagus, Smilax, Sprengeri and Adiantum.

Tel. 28 A. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

FANCY OR DAGGER FERNS

$1.25 per 1000. Discount on large orders.
First quality Galax, bronze or green, $1 00 per 1000
Laurel Festooning, 4cts. 5cts. and 6cts per yard.

Made fresh on receipt of order. Special attention given to large orders. Telephone or wire us and your orders will have prompt dispatch.

CROWL FERN CO.

MILLINGTON MASS.
Telegraph Office: New Salem, Mass.

Mention the Florists' Exchange when writing.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25.

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples Free. For sale by dealers.

Mention the Florists' Exchange when writing.

CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29 00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

Mention the Florists' Exchange when writing.

TO KILL ALL

Greenhouse Bugs

USE

"NICOTICIDE"

Clean and harmless as Fumigant or Spray.

To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

The Tobacco Warehousing and Trading Co.,

1004 Magnolia Ave., · Louisville, Ky.

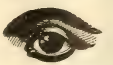
Mention the Florists' Exchange when writing.

ERANIUMS

BEGONIAS, ALYSSUM, ASPARAGUS PLUMOSUS NANUS, CYCLAMEN, ABUTILON SAVITZI, CHRYSANTHEMUMS, CYPERUS ALTERNIFOLIUS, DAHLIAS, FERNS, HYDRANGEAS, DRACÆNAS, AGERATUM, SALVIA, VINCA VAR., MARGUERITE, COLEUS, HELIOTROPE. Send for List.

REENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

Every  ***on Easter***

The Florists' Exchange will issue its Special Spring Trade Edition March 28

PHILADELPHIA WHOLESALE FLOWER MARKET
1228 CHERRY STREET, PHILADELPHIA
Mention the Florists' Exchange when writing.

Consignments of CHOICE VIOLET
and NOVELTIES Wanted. We have
Choice Lot of DAFFODILS Fresh Dai
Bell and Keystone 'Phones.
CHAS. E. MEEHAN, Manager.

Review of the Market

NEW YORK.—The weather has been wet and disagreeable on several days this week, and the cut flower business has suffered proportionately. On Monday it rained all day, and as shipments of flowers were somewhat heavy, there was a general accumulation of stock in the hands of the dealers, little business being done. While it cannot be said that the stock of any particular flower is coming in very heavy quantities at present, there is so little demand that there is really no fixed price on any product, and it is evident, from present appearances, that this Lenten season is to be the worst that has been experienced in this city for some years, though we are inclined to the belief that the weather is in a larger measure responsible for poor business than is the observance of religious offices.

Roses will not average up so well in value as they did last week; neither will carnations. Bulbous flowers are not nearly so plentiful as they were, yet the values remain about the same. Violets have got clear down as to rates, and a good supply of these flowers comes in every day.

Sweet peas and freesias are quite plentiful, and have to be sacrificed in order to clear them out.

Lilies that are not up to the mark are going at 4c. each; and there is a lot of such stock on the market.

Cattleyas are hard to dispose of, though not any more so than are the many dendrobiums that are coming in.

Lily of the valley has shortened up in supply somewhat, but there is little advance in its value as yet.

We are expecting better business every day, and, if the weather gets settled, we shall no doubt see prices go up again.

BOSTON.—Business during the latter part of last week showed some improvement, and gave some encouragement for this week; but it has rained almost constantly since Saturday, and reports are general of unsatisfactory trade in the retail district, though the wholesalers report it fairly good. The market is still flooded with all kinds of seasonable stock, except the medium and smaller grades of roses, which have cleaned up remarkably well in comparison.

American Beauty are very sticky, and a brave effort is being made to keep the values up, but this has been found to be up hill work, and a break may be expected shortly, if present conditions continue. For the fancy specials very few realize the $50.00 mark, which is asked for all, and many have to be sacrificed at much lower figures after they have been kept a day or two. No. 1 grade make $25.00, and extras $35.00 per 100, with smaller ones at from $4.00 to $16.00. The finest Bride and Bridesmaid are now freely offered at $12.50 per 100, and do not move nearly as fast as the medium and smaller grades, which usually clean up daily at from $8.00 down to $2.00. Red roses are in very good supply, but the really good ones are not plentiful.

Carnations are greatly in overstock and values are tending downward. Some very fine flowers are now offered at $1.50 to $2.00 per 100, with $2.50 as high for the best of the ordinary sorts; fancies and novelties make $3.00 and $4.00. Much of the ordinary stock is cleaned out at $1.00 to $1.50, and inferior stock at 75c. to $1.00.

The same overstocked condition prevails as regards bulbous flowers as last week, with Trumpet Major and Princess at $1.00 to $1.50 per 100, and Von Sions and Empress at $1.50 to $2.00. Golden Spurs make $3.00. Tulips, single, are held at $1.50 to $2.50, with doubles at $3.00 to $4.00. Dutch hyacinths bring $3.00 per 100.

Lilies are very plentiful at from $6.00 to $10.00 per 100; and lily of the valley is very abundant at $2.00 to $3.00. Violets continue druggy at 25c. to 50c. per 100. Pansies and primroses in small bunches are in good supply, the former making 60c. to 75c. per 100, the latter selling at $1.50 per dozen bunches. Sweet peas do well at 75c. to $1.00 per 100.

Mignonette is now in good supply at $2.00 to $4.00 per 100. Adiantum is coming in a little more plentifully, selling at 75c. to $1.00 per 100. F. J. NORTON.

CHICAGO.—Since last report trade has been fairly good, and the opening days of this week point to a better market as regards prices. Values have been a little stiffer on most all lines, with the exception of long-stemmed American Beauty. The demand for these latter has fallen off considerably and a great many are to be found after the morning's sales. The supply of other roses does not run much above the demand, with the prices about the same as at last report. Liberty are not in over abundance and the price is pretty well maintained on these.

Carnations are on the short list; there are not enough coming in at present to supply all demands. White varieties are the scarcest. Prices run from $1.00 to $4.00, for common to fancy grades, while a few novelties, such as Prosperity and Harlowarden are bringing $5.00 to $6.00.

The supply of violets is about the same as last week, with a fair demand.

Bulbous stock is yet seen in great quantities. Tulips are somewhat cheaper; some pretty good stock can be bought for $2.00 or less. The price on other stock remains about the same.

More sweet peas are to be seen, but for some reason this stock does not move as readily as in former years, nor is the price as good.

Some extra well grown double stocks are to be seen, and are selling at $4.00 per 100. Greens remain the same as at last report, with smilax in the lead.

R. J.

PITTSBURG.—A little more activity was noticeable in the flower business the second week in Lent, mainly due to funeral orders. It takes a pretty good constitution to withstand the many changes of our weather, and pneumonia is much dreaded, as it has caused many deaths lately. The last few days the thermometer has been around 60 degrees, with continuous rains. Buds are pushing fast; peonies are above ground, with prospects of severe weather yet to come. The growers, particularly the plant growers, are very busy at present preparing hotbeds and getting plants in good condition for early sales. From present indications the bedding plant trade should be good this season, as several have quit growing this stock altogether, and there will be considerably less of it on the market. In cut flowers the market is well stocked, except Harrisii lilies, which are few indeed in comparison with the supply of other years, and will likely be so for Easter and bring a big price. Most of our growers are disgusted with lilies and vow they will not touch any more. The past season has certainly been the worst ever experienced.

Palms and ferns are selling fairly well. John Bader, who is the largest grower of such plants in the western part of our State, has sent out some good orders the past month. Even Latania borbonica, which has gone rather slow the past few years has been moving nicely with him lately.

The seed trade is very active; working overtime is in order with all seedsmen.

E. C. R.

INDIANAPOLIS, IND.—The Lenten season has as yet not affected the flower business to any extent. Social affairs seem to be going on the same as before, with possibly the exception of a few weddings. Funeral work has been keeping up well, and aids materially in using up the large amount of material now at hand. There has been a decline in the price of roses, Bridesmaid, Bride, Meteor, Sunrise and Ivory selling for $6.00 per 100 for A No. 1 stock; seconds and shorts at 1c. to 3c.; $1.00 to $2.00 per dozen is the retail price for roses, only very select ones bringing the last named price. American Beauty are good, and are holding their price better than other roses. Carnations are plentiful, but hardly so good as in some weeks past. They are selling at 2c. to 3c. wholesale, and 50c. to 75c. per dozen retail. Bulbous stock is over-plentiful. Common varieties of tulips, daffodils, narcissus, and lily of the valley sell at 60c. per dozen. Freesias bring 30c. per dozen. Double violets are small, and there is not much demand for them at 35c. per bunch of 25; single violets are plentiful and sell readily on account of their low price.

There has been a scarcity of A No. 1 blooming plants, which will soon be supplied, as many of the growers have a large number close at hand. I. B.

ST. LOUIS.—White carnations are a little scarce, but other white stock is in good supply. Paper White narcissus is just about over. Very fine double Von Sion are in their height and plentiful. The top price of roses is $8.00. In general prices on all stock have declined a shade, but scarcely enough to take much notice of. Violets of excellent quality are very plentiful. Big orders take them for 25c., and they move out on small trade at a good steady rate. A few tulips are on the market; they go at 4c. Not many Dutch hyacinths are received. Only a few Harrisii lilies are handled; but callas are in good supply and demand. Sweet peas are slow all around.

F. W. M.

CINCINNATI.—Lent has so far cut very little figure in the decrease of business; in fact, trade has been exceedingly good, with plenty of all kinds of stock. Prices have remained firm for good stock. American Beauty is about the only flower that has dropped in price. These are now selling at: Fancy special, $4.00 per dozen; Bride and Bridesmaid bring $4.00 to $8.00; Liberty, $4.00 to $10.00; carnations, $1.50 to $4.00; lily of the valley, $3.00 to $4.00; tulips and narcissus, $2.00 to $3.00. Smilax is very scarce. Harrisii lilies fetch $12.00 to $15.00 per 100; violets, 50c. to $1.00. Inquiries for Easter prices are now commencing to come in, but, of course, it too early to say much about these pric yet. E. G. G.

CLEVELAND.—Trade has fallen considerably since Lent began. Stocks flowers are increasing, and prices a weakening. The street peddlers are ta ing full advantage of these conditions a the mild weather, and are disposing lots of stock. The restoration of the express rate helps these fellows in th town, as most of the stock sold by the comes from Chicago or Pittsburg.

Prices for the week are as follow Roses, tea, $4.00, $6.00 and $8.00; carr tions, $1.50 to $4.00; violets, 25c. to 7 per hundred; tulips, daffodils, Roman h acinths, Paper White narcissus, $2.00 $3.00; hyacinths, miniature, $2.00 to $3. No. 2, $4.00 to $5.00; No. 1, $6.00 to $8. callas, $8.00 to $10.00; Harrisii lilies, $10 to $15.00. Green goods as last quoted. T above prices are only for the best st in their respective sizes, as some lots selling much lower. G. W. S

PROVIDENCE, R. I.—We note a cided lull in business, which is nowh near as bright as a week ago. Ev carnations have joined the ranks of s plus flowers and the best grades ha dropped a full cent. It is now possi to buy the very best at $2.00 to $3.00 100. Roses are in fine supply, at $ to $5.00, and violets stand still at an thing over 35c. per 100. Funeral work still brisk. Daffodils and tulips are ha to sell at 2c. C. S. M

BUFFALO.—For some weeks trade conditions along retail lines ha been quite satisfactory. In this, flow for funerals have been leading. Such mand now is lighter, and with the Len season reducing other calls, quieter ditions rule, and flowers in best quali are overplentiful on some days. At wholesale store, W. F. Kasting menti a surplus of stock at present. Spr openings of fancy departments in some the leading stores have called for sc decorating and loaning of plants.

VID

DETROIT, MICH.—The prevailing weather has no tendency to overstock market. In American Beauty there i good supply of all grades. Other ro are very fine, bringing excellent pric though somewhat lower than last rep ed. Carnations in all grades are picked on sight, especially white. In vio there is at times a little oversupply, same can be said of bulbous stock. S lax is scarce. DILGE

GRAND RAPIDS, MICH.—There just enough flowers to sufficiently m the lessened demand consequent on L Carnations realize from 50c. to 75c. $1.00 per dozen; roses, $1.00 to $1 American Beauty, $2.00 to $5.00; viol 20c. to 40c. a bunch; lilies, $2.00 to $ per dozen; lily of the valley and ot bulbous flowers, 50c. per dozen.

G. F.

LOUISVILLE, KY.—Owing to the c tinued good demand for funeral wo business is satisfactory. While flow of every class are more plentiful, th has not been much of a surplus. Pri quoted last week still hold good.

A. R.

BALTIMORE.—With the advent of L the usual gluts in all kinds of stock taking place. Carnations and violets plentiful, and are being offered on streets for little or nothing. Roses white carnations are the least plentifu

E. A

CHANGES IN BUSINESS.

SALEM, N. H.—James Littlejohn given up his greenhouse business h and is to sell out everything in connect with it at auction.

FITCHBURG, MASS.—Mrs. C. E. Ma field will open a flower store in the Jo sonia Building, Putnam street.

ATHOL, MASS.—George Sutherland Natick, has bought the business of Ja Sutherland & Son, florists, on South M street, and will take possession at o Mr. Sutherland formerly lived in At James Sutherland will retire from b ness, and his son, David, contempl removing from Athol.

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Wholesale Prices of Cut Flowers, New York, March 13, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	15.00 to 30.00
	" extra	10.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00
	" extra	5.00 to 6.00
	" No. 1	3.00 to 4.00
	" No. 2	1.00 to 2.00
	Golden Gate	2.00 to 8.00
	Liberty	2.00 to 10.00
	Meteor	.50 to 5.00
Adiantum		.75 to 1.00
" Peter Crowe		...... to 1.50
Asparagus		25.00 to 50.00
Callas		6.00 to 8.00
Cattleyas		40.00 to 50.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to 25.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	1.00 to 1.50
		Pink	1.00 to 1.50
		Red	1.00 to 1.50
		Yel. & Var.	1.00 to 1.50
	*Fancy— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	Novelties		3.00 to 4.00
Lilies			4.00 to 8.00
Lily of the Valley			1.00 to 2.00
Narcissus—Paper White			.50 to 1.00
" —Yellow			.50 to 2.00
Mignonette—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
Smilax			8.00 to 12.00
Sweet Peas			1.00 to 1.50
Tulips			.75 to 2.00
Violets			.15 to .25
" special			.40 to .50
Lilac, per bunch			.50 to .75
Freesia, per bunch			.10 to .15

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Baltimore.

Club Notes.

The Gardeners' Club held its annual election on March 9, with the following result: Richard Vincent, Jr., president; John A. Cook, vice-president; J. J. Perry, corresponding secretary; Philip B. Welsh, financial secretary; John Wagner, librarian; Fred Burger, treasurer.

A communication was received from M. T. Jones, superintendent of traffic of the United States Express Company, stating a "classification of cut flowers at single merchandise rate" would be made effective March 10.

After the election the annual banquet took place at the Rose House. Among the invited guests were several of the brethren from Philadelphia, among them President S. A. F. John Burton and Robert Craig, D. T. Connor, Robert Kift, George Moss, Frank Adleberger, William Gibson and John Dunham; also Mr. Bauer, of Washington. Retiring president, Robert Halliday, was presented with a silver loving cup by friends of the Gardeners' Club. The presentation was made by George O. Brown. Robert Graham presided as toastmaster. Mr. Halliday was surprised, and so visibly affected that for some time he was unable to acknowledge the gift. The table decorations consisted entirely of carnations.

Rambles Among Growers.

Philip B. Welsh is growing good Mrs. Lawson carnations in his new house, which he has given a little shade at this date. J. J. Perry handles the greater part of Mr. Welsh's stock which, owing to its good quality, finds ready sale.

Halliday Brothers' carnations are in the pink of condition. A light Daybreak pink seedling shows up well.

I. H. Moss is cutting carnations in plenty at present. His stock is in fine shape. He is sold out of outdoor-grown roses to the wholesale trade. He has invested heavily in Lillian Pond carnation.

Bulbous stock is going slow at present, judging from the stock one sees around. EDWIN A. SIEDEWITZ.

Cincinnati.

News Notes.

At this writing, March 10, we are confronted with a very high river; and from the reports sent out by the Weather Bureau we shall have a decided flood before these notes reach the readers. Several of the craft are now getting ready to vacate.

The annual carnation meeting, to be held at the club rooms of the Cincinnati Florists' Society, will occur on Saturday, March 14, and from all appearances it will be a banner meeting. We expect to see all the new sorts staged.

In September, commencing about the 10th, the Fall Festival Association will offer $1,000 for two floral exhibitions. The first will probably be for cut flowers, and the second for table decorations exclusively, $500 being used for each exhibit. The schedules have not been issued as yet, but will be out in a very short time.

The stores are all busy with funeral work, which has cleaned up the market nicely. E. G. GILLETT.

Buffalo.

News of the Week.

A Gardeners' and Florists' Union has come into existence here, headed by John Bischoff as president. Its projected scope and intents as yet seem rather undefined.

On Monday of this week an automobile show was opened in City Convention Hall. In compliment to same some special window showing was done by Palmer. Arthur Beyer fitted up a full-sized model of a "machine" in good style and well proportioned. Galax leaves were effectively used for all the flat panel and inside seat portions, and the edgings of same in white carnations and Bride roses. These blooms were also used for outlining the spokes and rims of the wheels. A wax figure of a regulation chauffeur occupied the seat. The large window of the uptown store of this firm was taken up with a decorated "auto" done in yellow daffodils, violets being also freely employed. With a wax model of a female figure, gowned in navy blue, given an occupant position in the vehicle, a color scheme most brilliant was the result, and proved attractive to the passing public. C. A. Schnell planned this arrangement.

The Buffalo Florists' Club mustered a quorum at last week's meeting on Tuesday evening, and nominated some of its best element as candidates for election to offices for another year. Election is to be held at the next meeting.

Easter prospects begin to engross attention in the stores during these comparatively idle days. VIDI.

Be Brave.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Boston Mar. 11, 1903	Phil'delphia Mar. 10, 1903	Baltimore Mar. 10, 1903	Buffalo Mar. 11, 1903	Pittsburg Mar. 8, 1903
Roses	A. BEAUTY, fancy—special		...... to 40.00	...... to ..	...... to	25.00 to 35.00	40.00 to 50.00
	" extra		30.00 to 35.00	40.00 to 50.00	...... to	15.00 to 20.00	25.00 to 35.00
	" No. 1		16.00 to 25.00	20.00 to 30.00	25.00 to 40.00	8.00 to 10.00	16.00 to 20.00
	" Culls and Ordinary		4.00 to 8.00	10.00 to 15 00	8.00 to 20.00	3.00 to 6.00	3.00 to 4.00
	Queen of Edgely		...... to	20.00 to 50.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		...... to 16.00	...... to	...... to	10.00 to 12 00	10.00 to 12.00
	" extra		10.00 to 12.50	12.00 to 15 00	...... to	8.00 to 10.00	5.00 to 8.00
	" No. 1		6.00 to 8.00	8 00 to 10.00	8.00 to 10.00	5.00 to 6.00	3.00 to 4.00
	" No. 2		2.00 to 4.00	6.00 to 8.00	5.00 to 7.00	3.00 to 4.00	1.50 to 2.00
	Golden Gate		...... to	6.00 to 10.00	5.00 to 12.00	...... to	...... to ......
	K. A. Victoria		...... to	...... to	5.00 to 8 00	4.00 to 10 00	...... to ......
	Liberty		6.00 to 25.00	10.00 to 25.00	...... to	2.00 to 10.00	4.00 to 10.00
	Meteor		2.00 to 12.50	...... to	...... to	2.00 to 8 00	3.00 to 6.00
	Perle		...... to	8 00 to 12.00	4.00 to 6 00	3.00 to 5.00	4.00 to 8.00
	ORCHIDS—Cattleyas		...... to	40.00 to 50.00	...... to	...... to	...... to ......
	Cypripediums		...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors		...... to .75	...... to	1.00 to 1.75	...... to	...... to 1.00
	STANDARD VARIETIES	White	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2 00	2.00 to 3.00
		Pink	2.00 to 2.50	1.50 to 2.00	2 00 to 3.00	1.50 to 2.00	1.50 to 2.00
		Red	2.00 to 2.50	1.50 to 2.00	2 00 to 3 00	1.50 to 2 00	1.00 to 1.50
		Yellow and var.	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	to 2.00
	*FANCY (*The highest grades of standard var)	White	...... to 3.00	3.00 to 4.00	3 00 to 5.00	2.00 to 4.00	4.00 to 5.00
		Pink	...... to 3.00	3 00 to 4.00	3 00 to 5.00	2.00 to 4.00	3.00 to 4.00
		Red	...... to 3 00	3.00 to 4.00	3 00 to 5 00	2.00 to 4.00	3.00 to 4.00
		Yellow and var.	...... to 3.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00	...... to 3.00
	NOVELTIES		4.00 to 5.00	...... to	...... to	...... to	...... to ......
	ADIANTUM		.75 to 1.00	...... to 1.00	...... to 1.00	.75 to 1 00	...... to 1.00
	ASPARAGUS		25.00 to 50.00	25.00 to 50.00	20.00 to 60.00	40.00 to 60.00	20.00 to 50.00
	CALLAS		8.00 to 10.00	...... to	8.00 to 12.00	10.00 to 12.50	5.00 to 10.00
	CHRYSANTHEMUMS		...... to	...... to	...... to	...... to	...... to ......
	DAFFODILS		1 50 to 2.00	2.00 to 4.00	3 00 to 4.00	2.00 to 3.00	1.00 to 3.00
	DAISIES		...... to	...... to 1.50	...... to	...... to	1.00 to 1.50
	FREESIA		...... to	...... to	1.00 to 2.00	1.50 to 2.00	1.00 to 3.00
	GALAX LEAVES		...... to	...... to .10	...... to .10	.15 to .20	...... to .12
	HYACINTHS		...... to	3.00 to 4 00	2.00 to 3.00	2.00 to 3.00	1.00 to 2.00
	LILIES		8.00 to 10.00	12 00 to 15.00	...... to 12.00	12.50 to 15.00	10.00 to 15 00
	LILY OF THE VALLEY		2.00 to 4.00	...... to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
	MIGNONETTE—Ordinary		2.00 to 3.00	...... to 5.00	2.00 to 4.00	...... to 2.00	.50 to 1.50
	" Fancy		...... to 4.00	...... to	...... to	...... to 3.00	2 00 to 3.00
	NARCISSUS		1.50 to 2.00	3.00 to 4 00	2.00 to 3.00	2.00 to 3.00	1.00 to 3.00
	SMILAX		12.50 to 16.00	...... to 20.00	10.00 to 25.00	15.00 to 20.00	15.00 to 18.00
	STEVIA		...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS		...... to 1.00	1.00 to 1 50	...... to	.75 to 1.25	.50 to .75
	TULIPS		2.00 to 4.00	3.00 to 4.00	...... to 3 00	2 00 to 4.00	2.00 to 5.00
	VIOLETS		.15 to .50	.50 to .75	.50 to .75	.30 to .75	.25 to 1.00

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Worcester, Mass.

Thursday afternoon, February 26, Geo D. Leavens, of Grafton, gave a talk on grass culture in Horticultural Hall. Mr. Leavens described the whole process of hay-making from the preparing of special fertilizer, through the plowing, harrowing, sowing of seed, cutting, curing and storing away.

The subject was so well handled it would make a good farmers' bulletin for the Government to issue. The audience found Mr. Leavens well posted, and the discussion at the close brought out much valuable information.

The first exhibition of the season was held at Horticultural Hall March 5. The attendance was not as large as the high quality of the display would warrant. The center of attraction was an immense cœlogyne from the private greenhouse of John M. Whitins, of Whitinsville. It was the finest plant of the kind ever seen in Worcester. A conservative estimate places the number of buds and blossoms at about 1,500. H. F. Littlefield showed an Azalea indica that measured three feet across, covered with about 1,000 buds and blossoms. Edward W. Breed, of Clinton, who is expected home from Jamaica about the middle of this month, was ably represented by his foreman, who carried off three first, two second, and three third prizes, with a money value of $16.50. Fred. A. Blake, of Rochdale, won eight second and three third prizes, footing up $20. H. F. Lange's carnations carried off first honors.

CAROLUS.

Utica, N. Y.

March 5 was meeting night of the Utica Florists' Club. There was a very good attendance. Several new members were elected and two proposed. At the rate at which we have been getting them in for the past few months we shall soon have them all. Our club is in fine condition, and we ill attend with a great deal of pleasure.

We had a very interesting paper on "Begonia Gloire de Lorraine, and How to Grow It," by J. C. Trandt, of Canaharie. I think we all know more now about the plant and understand its requirements very much better. A vote of thanks was tendered Mr. Trandt.

The club decided to extend an invitation to our Syracuse brethren to meet with us on March 18 to visit with our florists during the day, and in the evening we shall see who are the best bowlers. We expect a large delegation. Wm. Mathews has a sport of Mrs. Lawson of that beautiful Daybreak color; it is fine and we hope it will stay, as we can use that color.

Our President, F. J. Baker, is one of the happiest men in Utica; it is another boy. The boys will all be pleased to see him at our next meeting; one case will be enough, Frank.

W. A. Rowlands is all enthusiasm over his trip to the carnation show and expect to see three or four more houses go up this season at his place. It looks as if there would be quite a number of places built or added to in the near future.

QUIZ.

Tarrytown, N. Y.

A meeting of the Tarrytown Horticultural Society was held February 26, President David McFarlane in the chair. The prize box of cigars, for best display of bulbous flowers, was awarded to James Ballantyne, gardener to Mrs. Geo. Lewis. For the March meeting a similar prize, for best dozen cut roses other than American Beauty, is offered.

The F. R. Pierson Co. exhibited three new carnations—Flamingo, Albatross, and Sunbird—which will be sent out January, 1904, and for which the judges awarded a certificate of merit.

F. R. Pierson offered the following prize to be awarded at the annual show in November next: A silver cup for 36 blooms of chrysanthemums, 12 varieties 3 of each, of the following sorts: Mrs. J. W. Pockett, Convention Hall, W. R. Church, Durban's Pride, Earl of Arran, Edith Pilkington, Godfrey's King, Fair Maid, Yellow Timothy Eaton, Chas. Langley, C. J. Salter, Mrs. C. Nevelli, Lord Salisbury, Queen Alexandra, Madame Reboul, Mrs. Thurell, Millicent Richardson, John Pockett, Mabel Morgan, Mrs. George Mileham, Bessie Godfrey, Mme. Herwedge, Florence Molyneux, and Mme. Cadbury; also a cash prize of $25.00 to be divided as follows: For best plant of Nephrolepis Piersoni, $15.00; for second best plant, $10.

H. J. R.

Orange, N. J.

Society Meeting.

Charles H. Totty, of Madison, read a concise and practical paper upon the chrysanthemum on Wednesday evening, March 4, before the New Jersey Floricultural Society, at its regular monthly meeting. He confined himself to cut flowers, and gave from his own experience, avoiding all vexatious differences of opinion, and following the usually accepted manner of cultivation, fertilizing, etc. Of special interest was his endorsement of compact, flat, rather than upright, loose packing, naming the method employed by the E. G. Hill Co. as that which has demonstrated the flower's superiority in carrying long distances for exhibition.

In the discussion which followed, the superiority of nitrate of potash over soda was brought out. Mr. Totty applies one pound to fifty gallons of water and uses it with a Kinney pump, sometimes combining this fertilizer with liquid sheep manure, but this latter requires more judgment to avoid spot. The merits of horse, chicken, and other manures were discussed. The subject of treating all varieties alike was raised by John Hayes. Mr. Totty does not adopt this method. His list was particularly valuable, being quite up-to-date, and he emphasized this point as an essential to successful growing for exhibition purposes.

Mr. Totty recommended the use of not over two stems, as three had a tendency to scatter the energies of the plant. He gave Mrs. Henry Robinson as an example of this.

Upon the point of difference of plants in regard to hardness of wood, raised by President George Smith, this characteristic in Merza was brought out; also the method of puncturing the cut stem below the estimated "water line." Though the variety might wither slightly in carrying, it would "come up" where so treated after shipment. The necessity of a stem full of water before shipment was made plain. Peter Duff endorsed Mr. Totty's methods; and the society testified its indebtedness to the speaker by a unanimous vote of thanks.

In the monthly flower show, which President George Smith has instituted, the orchids of Arthur Bodwell, gardener for Mr. Wm. Barr, of Llewellyn Park, were favorably noticed, scoring 80 points, the only other plants receiving so high a mark being the plants in pots -a bilbergia and Gymnogramma chrysophilla—of Malcolm McRorie. Among the carnations were the usual up-to-date varieties. The Bride, a recent white introduction of John N. May, grown by John Hayes, received 65 points. Peter Duff's roses were up to their usual excellence, receiving 70 points. Dietrick Kindsgrab showed a vase of well-grown carnations, receiving 70 points, and a very symmetrical cypripedium, which scored 70 points. Other exhibitors were: President Smith, roses and apples; Vice-President Wm. Burnett, carnations and narcissus; Treasurer McRorie violets and hyacinths, the last of remarkably beauty, scoring 85 points; Peter Duff's collection of vegetables, and Henry Hornecker's Primula obconica.

Four new members were elected. Communications from the N. J. Horticultural Society and the Chrsyanthemum Society of America were read The first, asking for co-operation, was left to individual members; the last, soliciting a prize to be offered by the society, was handed to the executive committee, with power.

J. B. D.

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	Names and Varieties	Chicago Mar. 10, '03	St. Louis Mar. 10, '03	Cincinnati Mar. 10, '03	Milwaukee Mar. 6, '03	Detroit Mar. 12, '03
Roses	A. BEAUTY, fancy—special	35.00 to 40.00	.. to 50.00	...... to 35.00	25.00 to 35.00	...... to 40.00
	" extra	21.00 to 30.00	25.00 to 40.00	...... to 25.00	15.00 to 20.00	...... to 30.00
	" No. 1	15.00 to 20.00	10.00 to 20.00	8 00 to 16.00	10.00 to 12 50	..... to 20.00
	" Culls and Ordinary	6.00 to 12.00	4.00 to 8.00	5.00 to 6.00	6.00 to 8.00	6 00 to 10.00
	Queen of Edgely	..... to	..... to	..... to	...... to	...... to ......
	Bride, 'Maid, fancy special	7.00 to 8.00	...... to 8.00	...... to 8 00	...... to 10.00	..... to 8.00
	" extra	5.00 to 6.00	...... to 7.00	6.00 to 7.00	...... to 8 00	...... to 6 00
	" No. 1	4.00 to 5.00	...... to 6.00	...... to 5.00	...... to 6.00	...... to 5.00
	" No. 2	3.00 to 3.50	4.00 to 5.00	...... to 4.00	...... to 4.00	...... to 4.00
	Golden Gate	3.00 to 8.00	5.00 to 8.00	6.00 to 10.00	6.00 to 8.00	4.00 to 8.00
	K. A. Victoria	...... to	4.00 to 8 00	...... to	...... to	..... to ....
	Liberty	4.00 to 20.00	4 00 to 8.00	4.00 to 10.00	6 00 to 10.00	..... to ......
	Meteor	3.00 to 8.00	4 00 to 6.00	4.00 to 6.00	4.00 to 6.00	4 00 to 8.00
	Perle	3.00 to 6.00	4.00 to 8 00	...... to	4.00 to 6.00	4.00 to 7.00
	ORCHIDS—Cattleyas	..... to 40.00	..... to	..... to	...... to	..... to 50.00
	Cypripediums	...... to	...... to	.... to ...	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.00 to 1.50	1.50 to 2.00	..... to 1.50	...... to	...... to ......
	STANDARD VARIETIES White	1.50 to 2.50	2 50 to 3.00	..... to 2.00	...... to 3.00	1.50 to 3.00
	Pink	1 00 to 2 00	2 50 to 3.00	..... to 2 00	1.00 to 2.00	1.50 to 3.00
	Red	1.50 to 2.00	2 50 to 3.00	1.50 to 2.00	1.00 to 2.00	1.50 to 3 00
	Yellow and Var.	1.00 to 2.00	2 50 to 3.00	.... to	1 00 to 2.00	1.50 to 3.00
	*FANCY— (*The highest grades of standard var) White	3.00 to 4 00	..... to 4.00	3.00 to 4 00	3.00 to 4.00	3.00 to 5.00
	Pink	2 50 to 3.00	..... to 4.00	3.00 to 4 00	2.00 to 3.00	3.00 to 5.00
	Red	2.50 to 3.00	..... to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 5.00
	Yellow and Var.	2 50 to 3.00	..... to 4.00	3.00 to 4.00	2.00 to 3 00	3.00 to 5.00
	NOVELTIES	5.00 to 6.00	..... to	..... to	..... to	...... to ......
	ADIANTUM	.60 to 1.50	..... to	...... to 1.50	...... to ...	..... to 1.00
	ASPARAGUS	20.00 to 50 00	10.00 to 20.00	...... to 60.00	20.00 to 40.00	20.00 to 60.00
	CALLAS	8.00 to 12.00	10.00 to 15.00	..... to 10.00	...... to 12.50	10.00 to 12.50
	CHRYSANTHEMUMS	...... to	..... to	...... to	...... to	..... to ......
	DAFFODILS	2.00 to 4 00	.... to 4.00	...... to 3.00	2.00 to 3.00	3.00 to 4.00
	DAISIES	.75 to 2.00	..... to	...... to	...... to .75	...... to ......
	FREESIA	2.00 to 3.00	1.00 to 2.00	...... to	... to 2.00	3.00 to 4.00
	GALAX LEAVES	.... to .15	..... to .15	...... to .15	..... to .20	..... to .10
	HYACINTHS	2 00 to 3.00	.... to 3.00	3.00 to 4.00	...... to	3.00 to 6.00
	LILIES	12.00 to 15.00	12.50 to 15.00	12 00 to 15.00	...... to	15.00 to 18.00
	LILY OF THE VALLEY	2.50 to 4.00	..... to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	...... to 4.00	..... to ...	...... to	...... to	..... to 3.00
	" Fancy	...... to 6.00	..... to 5.00	...... to	...... to	...... to 5.00
	NARCISSUS	2 00 to 3.00	..... to 4.00	..... to 3.00	...... to	3.00 to 4.00
	SMILAX	12.50 to 15.00	12.50 to 15 00	15.00 to 20.00	15.00 to 18.00	12.50 to 15.00
	STEVIA	.... to	...... to	...... to	...... to	...... to ....
	SWEET PEAS	..... to 1.00	1.00 to 1.50	..... to	..... to .50	..... to .50
	TULIPS	3.00 to 5.00	3 00 to 4.00	3.00 to 4.00	2.00 to 3.00	3.00 to 5.00
	VIOLETS	.40 to 1.50	.25 to .50	.25 to 1.00	.50 to .75	.50 to .75

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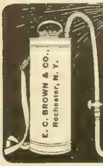
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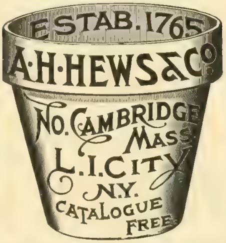

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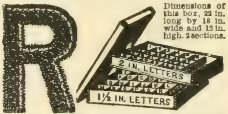

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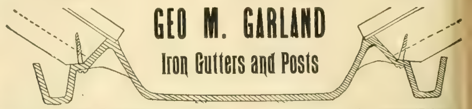

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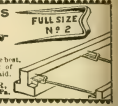

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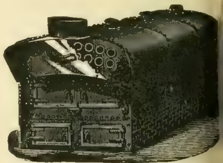

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JUST THE THING FOR YOUR
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PEABODY MASS

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Importers and manufacturers of . . . . . **FLORISTS' SUPPLIES.** Galax Leaves and all Decorative Greens. . .

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THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
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Are for sale by all the leading Seedsmen this season. Be sure to specify **COLUMBIA TUBS** when you order if you want **The Best Plant Tub Made.**

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Green House Material

Hot Bed Sash Red Cedar Posts

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USE IT NOW.

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Material the Best,
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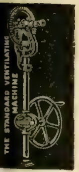

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The lightest running, most rapid and powerful Ventilating Machinery in the market.

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Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

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Cromwell, Conn.

Express Rates.

The official announcement, by the superintendent of the New England division of the Adams Express Company, that on and after the 10th inst. the company would accept shipments of cut flowers at single rates, "where no special service was required," was received with great satisfaction by the florists in this vicinity. "If special service, either in forwarding or delivering at destination, is required, a reasonable additional charge will be made commensurate therewith," is the way the announcement of the change is qualified. This will not be objected to by shippers, provided the "special" service required is given.

One very general complaint by florists everywhere has been that, with the increased rates, there has been no improvement in the service. It is undoubtedly a fact that the express companies found that their business in cut flowers was steadily decreasing. Goods that formerly went through their hands have of late been shipped by freight or sent by mail; and as the weather became more favorable, this departure would be more pronounced. The florists, as a whole, have made a decided stand against this increase of rates, and they are to be congratulated on the result.

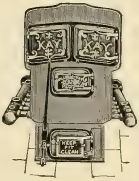
W. R. Pierson left on Monday for a trip through Western New York in the interests of his father, A. N. Pierson.

H.

Milwaukee.

Riemer & Radmer, agents of the Herendeen Manufacturing Company, have just finished installing hot-water heating plants in the new greenhouses of Mr. Moore, of Lake Geneva, Wis., and of Mr. Whiting, of Corliss, Wis. The boilers used are in both instances the Furman new sectional, having 30-inch grates.

Riemer & Radmer also have in view other work among greenhouse parties, and will make more installations than ever before the season closes this year. This is partly owing to the growing popularity of the Furman new sectional boilers for greenhouse use, and partly to the enterprise and energy of the firm named.

WILLIAM H. KAY COMPANY
244 FULTON ST., NEW YORK


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WROUGHT IRON PIPE, FITTINGS, VALVES, HOSE.

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CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

S. JACOBS & SONS, Manufacturers
1365 to 1373 Flushing Ave., Brooklyn, N.Y.

We Furnish Everything for Building.

Greenhouse GLASS
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GET OUR PRICES BEFORE ORDERING.

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Facilities unequaled. Forty-seven years experience. Plans embrace latest improvements. Estimates furnished for Houses erected with our patent Iron construction, or for the material only ready to erect.

We shall be pleased to receive your inquiries, either for completed houses; or for the iron or cypress material, also any other kind of material which enters into a greenhouse structure.

Greenhouse construction catalogue, also Greenhouse Heating and Ventilating Catalogue sent from our New York office on receipt of five cents postage for each.

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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. DILLER, CASKEY & CO., Successors to JENNINGS BROS.,
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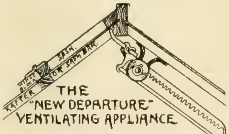

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CYPRESS WOODWORK
Air dried and absolutely free of sap
"Perfection" Lifting Apparatus and other Greenhouse Hardware
Specialties - HOTBED SASH
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Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation. Perfect Guttering.

NOTE.—The V Gutter, as well as the other parts of the houses, peculiar to this construction, are fully covered by Letters Patent.

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Will delight patrons, and promote the business.

Low priced, in varied styles.

Samples now ready, free.

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Wax Flowers, Floral Designs, Florists' Sup[illegible]

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Comorensis	3	$1.00	
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Pansies, strong plants		.35	2.50
Salvias, 3 varieties	2	.50	3.00
Verbenas, named varieties	2½	.50	3.00
Heliotrope	2	.50	3.00
Lantanas, Le Naine	2	.50	3.00
Lobelias, 3 varieties	2½	.50	3.00
Lemon Verbenas	2	.50	3.00
Hermosa Roses, strong	5	2.00	
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I have now on hand a large quantity of
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Best Fertilizer for Top Dressing.

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We manufacture a superior article for Potatoes, Cabbage, Celery, Corn, etc., body of same **Pure Bone**; tests about 6 per cent. Ammonia, 7 to 8 per cent. Potash K.O.; 166 pound bag, $3.25; ton, $36.00. A pure Bone Meal for greenhouse, lawns, fruit trees, etc.; tests 6 per cent. Ammonia, 30 per cent. Bone Phosphate; 166 pound bag, $3.00, ton, $32.50. Also have a practical Potato Special, tests 8 per cent. Potash, $30.00 ton. A dissolved Bone and Potash, tests 10 per cent. avail. Phos. Acid, 2 to 3 per cent. Potash, $22.50 ton. A General Crop Fertilizer, at $24.50. All delivered free, in ton lots, if cash accompanies order. **Jas. L. Reynolds Co., Mt. Vernon, N.Y.**

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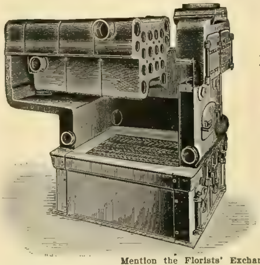
Horticultural Architecture and Building.



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Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

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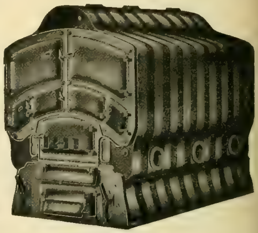

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Iron and Cypress Framed Greenhouses
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IT IS just as essential in building to get good material, as it is to plant house with good stock.

You cannot get a good cut of flowers from poor plants, neither can you build a substantial house from poor material.

We have made greenhouse construction a special study.

You are welcome to the benefit of our wide experience.

Get our estimate. We can serve you better than your local mill.

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IT PAYS TO PAY FOR QUALITY

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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

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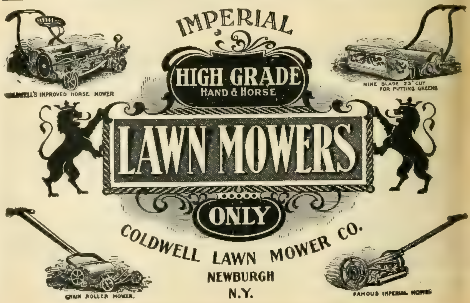

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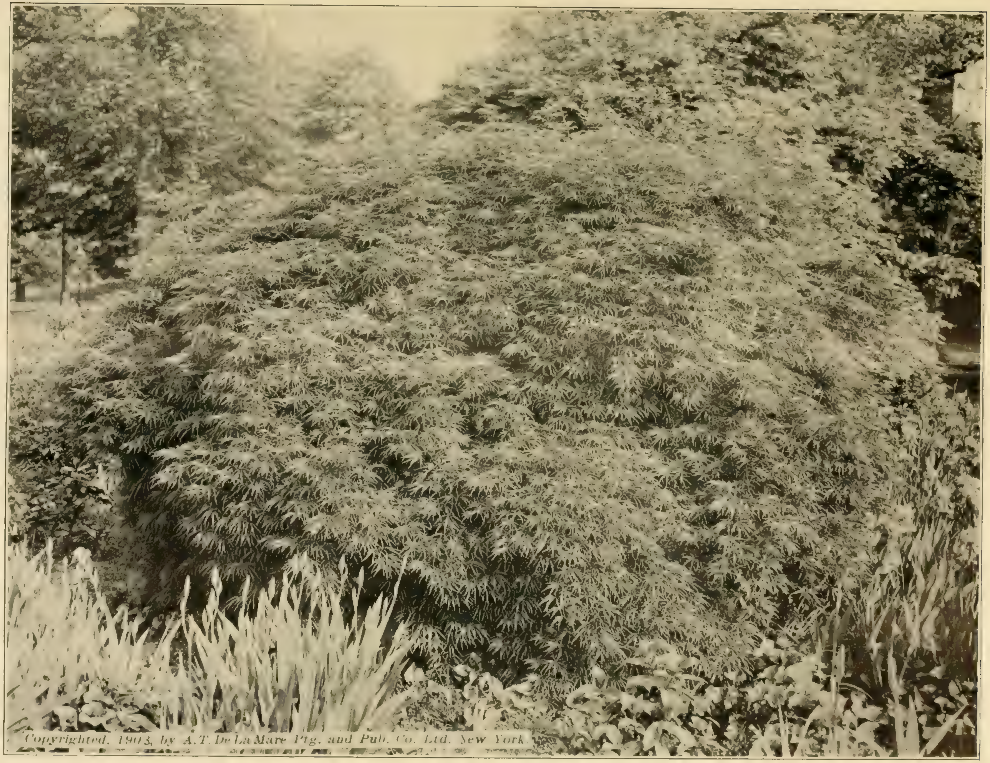

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Plate 49

ACER POLYMORPHUM DISSECTUM ATROPURPUREUM—Blood-leaved Dissected Japanese Maple

The red foliage of this Maple is particularly pleasing in early Spring and Summer. Though almost as blood-red as that of the common blood-leaved one, it does not appear so, because its finely divided leaves present less quality of surface; but it is beautiful always, and most desirable.

Special Spring Trade Edition Next Week

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 12 NEW YORK, MARCH 21, 1903 One Dollar Per Year

10,000 POTS OF

LILIUM LONGIFLORUM

FOR EASTER.

We have an exceptionally fine lot of these, and plants are in perfect condition, with fine, healthy foliage, and A No. 1 in every respect, averaging from four to eight buds each. We are now booking orders for Easter delivery or earlier at the rate of

12c. per Bud or Flower.

CUT LILIES AT SAME PRICE.

In ordering please state whether plants in pots or cut lilies are wanted.

Customers at a distance wishing to procure a supply will find it safer to order early, just before the flowers open, as plants can then be shipped cheaper and with greater safety. You will then have the plants on hand and avoid the rush at the last minute. A great many of our customers order in this way, and find it a decided advantage. We can ship at any time now plants selected so that they will just come into bloom in nice shape the week before Easter.

We should be glad to have buyers from near-by points call at our Scarborough greenhouses and inspect the stock. Plants can be selected and laid aside and reserved at any time and delivered when wanted.

We have also an Exceptionally Fine Stock of

Ficus Elastica, Kentias, Boston Ferns, Araucarias, Large-sized Latania Borbonica, for Decorating, Etc., Etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

OWN ROOT STOCK

NOW READY

Standard sizes
2¼
2¼
Own Roots
Grafted

Kaiserin Carnot Bride Bridesmaid	$4.00 Per 100 $35.00 Per 1000

GRAFTED

Bride and Bridesmaid

$15.00 per 100; $120 per 1000

Ready for Delivery April 1.

W. H. ELLIOTT, Brighton, Mass.

SEE OUR

SPECIAL ADVERTISEMENT

On Page 311 of This Number

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., Cor. Jane St., New York City

Telephone 4390 Spring

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants

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B. & A. SPECIALTIES

Ask for Special Trained Fruit Tree Circular.

ROSES Per 100, $10.00; per 1000, $90.00 Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

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Crimson Rambler, 1st, $15.00; 2d, $12.00; 3d, $10.00.

H. P. ROSES, Standards, all leading varieties, $4.50 per doz.; $35.00 per 100.

CLEMATIS, large flowering, finest varieties, Jackmanni, Henryii, Duchess of Edinburgh, etc., two-year-old, field-grown, $3.00 per doz.; $20.00 per 100. Three-year-old, field-grown, extra strong, $4.00 per doz.; $30.00 per 100.

ENGLISH IVIES, pot grown $10.00, $12,00, $15.00 per 100. **Specimens**, $9.00, $12.00, $15.00 per doz.

GLOXINIAS, separate colors, $4.00 per 100; $35.00 per 1000. Mixed colors, $3.50 per 100; $30.00 per 1000.

CANNAS, 10 best varieties, $2.00 per 100; $15.00 per 1000.

BEGONIA, Tuberous Rooted, Single, separate colors, crimson, rose, white, yellow, orange, $2.75 per 100; $25.00 per 1000.

BEGONIA, Single Mixed, $2.50 per 100; $22.00 per 1000. Double, colors separate, as above, $4.50 per 100; $40.00 per 1000. Double, colors mixed, $4.00 per 100; $35.00 per 1000

DIELYTRA Spectabilis Bleeding Heart) extra strong clumps, for forcing. Per 100, $6.00; per 1000, $45.00.

SPIRÆA Gladstone.............. $8.00 per 100.

ASPARAGUS Sprengeri Seed, $2.50 per 1000.

Dahlias, 50 varieties. See catalogue.

EVERGREENS, Flowering Shrubs, and Hardy Herbaceous Plants. We have the largest collection in the country. See catalogue.

BAY TREES. We have several hundred in stock. Ask for prices.

RHODODENDRONS for forcing; all fine varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-28 "	"	12 00
28-30 "	"	18 00
30-36 "	"	25 00

GERBERA JAMESONI (The Barberton Daisy), 2½ in. pots, 20c. ea.; $2.00 per doz.; $15.00 per 100.

NEW ROSE SOLEIL D'OR, strong 2 year old plants, 35c. each; $3.50 per doz.

CALADIUM, Fancy, $1.25 per doz.; $9.00 per 100.

AZALEA MOLLIS

These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

JAPAN FERN BALLS, dormant, selected, large bulbs, $3.50 per doz.; $27.50 per 100.

JAPAN LILIES. See Wholesale Catalogue.

AUCUBA JAPONICA,	12-15.	$2.50	per doz.
	15-18.	3.50	"
" **VARIEGATA**,	18-24	5.00	"

GARDENIA VEITCHII, 6 in. pots, $6.00 a doz. 7 in. pots, $12 per doz.

PEONIES, GLADIOLUS, CALADIUMS, and other Roots and Bulbs. See Wholesale Catalogue.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

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SWEET PEAS

	¼ lb.	lb.		¼ lb.	lb.
Apple Blossom	$0 10	$0 20	**Boreatton**	$0 10	$0 25
Blanche Ferry	10	20	**Countess of Radnor** (true)	10	25
Butterfly	10	20	**Emily Henderson**	10	25
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SELECTED STRAINS OF
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VEGETABLE SEEDS in bulk.
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WEEBER & DON, SEED MERCHANTS and GROWERS
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30,000 DAHLIAS

Whole field-grown roots, Show and Cactus, 50 best varieties, $4.00 per 100; $36.00 per 1000. Send for list. We can save you money.

FUCHSIAS

Black Prince, White Giant and other good Single and Double vars., $1 25 per 100, postpaid; $10.00 per 1000 by express. Satisfaction Guaranteed.

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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

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New Crop Seed, 1000, $1.00; 5000 for $3.00.

SMILAX SEED, 25c. per oz.

Hybridized Carnation Seed,
MIXED.

Seed from Mrs. Lawson, Governor Roosevelt, Governor Wolcott, Violania, Apollo and Golden Beauty, 100 Seeds, $1.00 From Standards, 100 Seeds, 25c.

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AZALEA INDICA

Well budded, 10 x 12, $35.00 per 100; 12 x 14, $45.00 per 100.
In full variety: Vervæneana, Dr. Moore, Prof. Walters, Sigismund Rucker, Schryveriana, Deutsche Perle, Bernhard Andreas alba.

AZALEA MOLLIS, extra heavy, well budded	per 100	$40 00
" **PONTICA.** " " " "	"	45 00
DEUTZIA LEMOINEI, heavy stock	"	15 00
AUCUBA JAPONICA, large plants	"	50 00
CLEMATIS JACKMANNII, extra fine, 3 years old	"	30 00
FERN BALLS, just arrived, large size	"	25 00
" " mammoth, with tin cups	"	35 00
TUBEROSES, Excelsior Pearl, mammoth	per 1000	7 50
" " " 3 x 4	"	3 00
CALADIUM ESCULENTUM, 7 x 9	per 100	2 50
CANNAS, to name and color	"	2 00
DAHLIAS, to name and color, field-grown clumps	"	10 00
LILY OF THE VALLEY, the finest in the market; from ice house	per 1000	15 00

TO ARRIVE IN THE NEAR FUTURE:

FRESH CYCAS REVOLUTA, only the long-leaved variety handled.
BAY TREES, standards, pyramids, all sizes.
BOX TREES, pyramids and standards.
CONIFERS (Evergreens) in many varieties.
RHODODENDRONS (hardy), pink, white, red and purple.
H. P. ROSES, in many of the leading varieties.
PALMS in all sizes and varieties.

Prices cheerfully given by

F. W. O. SCHMITZ, Prince Bay, N.Y.
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JAPAN BAMBOO CANES

The best in the market. Can be used 3 to 4 years, as they do not rot.
$6.00 per 1000, $27.50 for 5000.

HYACINTH STAKES

Just the stake for tying Hyacinths, Fuchsias and pot plants, 18 inches long.
Natural, $1.25 per 1000; Dyed Green, $1.75 per 1000

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BRANCH, 404 EAST 34TH ST.

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Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.
Dahlia Specialist.

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25 leading varieties, all under name, gurranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemon Giant, Fern Leaf Beauty, Snow Clad, White Swan, Frank Smith, etc. We offer **HEAVY FIELD CLUMPS JUST AS DUG. $5.00 per 100, $45.00 per 1000.**

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New Crop Flower Seeds

ASTERS. Comet, Empress Frederick dwarf and compact, fine for pots, flowers pure white, diamer 4 to 5 inches. Pkt. 20 cts.; 3 for 50 cts.

SEMPLE'S BRANCHING, home grown white, shell pink and lavender. ¼ oz. 30 cts.; oz. 75 cts

QUEEN OF MARKET, best German, in colors ¼ oz 25 cts; oz. 75 cts.

LARGE VICTORIA, best German, in colors. Pkt. 25 cts.; ¼ oz. 65 cts.; oz. $2 50.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.

We have over 40 acres devoted entirely to th culture of these beautiful harbingers of Spring (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

DAHLIAS.

Strong field-grown roots, whole or divided. Fine assortment. Send for list and prices.

SAMUEL C. MOON,
MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

TRADE OFFER
First Season

NEW CACTUS DAHLIA
Katherine Duer

We are headquarters and control the stoc of this handsome, decorative Cactus Dahlia which was in such demand at Newport las season, for table decoration, etc. A limite quantity of large fine tubers $50.00 per 100, $8.0 per dozen. Spring struck plants 2½ and 3 inc pots, prices on application. Supply limited Also an extra choice selection of the **NEW QUILLED TYPES** dormant tubers, from th largest and best collection in the world. Writ for catalogue and prices to

THE GEO. A. WEAVER CO.
NEWPORT, R. I.

Mention the Florists' Exchange when writing

TUBEROSES
Excelsior Dwarf Pearl, Hallock Strain

	100	1000
Hand picked, 4-6 inch	$1 00	$9 00
Special medium, 3½-4 inch	75	6 00
" " 3-4 inch	65	5 00

CALADIUM (Fancy-Leaved)

	Doz.	100
20 Named varieties	$1 50	$12 00

CALADIUM ESCULENTUM
Sound Center Shoots. F. O. B., N. Y.

	100	1000
5-7 inch	$2 50	$20 00
7-9 "	3 50	30 00
9-11 "	5 50	50 00

GLADIOLUS

	100	1000
Fine mixed	$0 85	$7 5
Light and White	1 50	12 5
Vaughan's Superfine Light and White part from named	1 75	15 0
May	1 50	12 0
Augusta	4 25	38 0
Shakespeare	5 00	45 0
Brenchleyensis	75	6 0

Our Flower Seed Offer, issue of February 28, page 218, still holds good.

VAUGHAN'S SEED STORE
84 and 86 Randolph Street, CHICAGO — 14 Barclay Street, NEW YORK

Mention the Florists' Exchange when writing.

建 FRESH PALM SEEDS

	100	1000	5000
Latania Borbonica	$0.25	$2.00	$7.50
Pandanus Utilis	1.00	8.00	35.00
Phœnix tenuis and Canariensis	.25	2.00	7.50
KENTIA Belmoreana and Forsteriana	.50	3.50	15.00
Areca Lutescens (April)	.60	5.00	22.50
Asparagus Sprengeri	.15	1.00	3.00
" **Plumosus NANUS** (the **TRUE** sort)	.85	7.00	32.50

Smilax, oz., 25 cts.; lb., $2.50.

RESURRECTION PLANTS
for Easter. Extra fine, doz., 50 cts.; 100, $3.00; 1000, $25.00.

TUBEROSES, Excelsior Pearl

4x6 in. and up	100, $1.00;	1000, $8.50
3z4½ in.	" .50;	" 4.00

	12	100	1000
Begonias, tuberous, single, separate colors	$0.30	$2.25	$20.00
Begonias, tuberous, double, separate colors	.65	5.00	40.00
Fancy-leaved Caladium, Fine bulbs, choicest brilliant colored. **Brazilian named sorts**	1.25	10.00	
Caladium Esculentum, Elephant's Ear, 6x8 in	.30	2.00	17.00
8x10	.50	3.25	30.00
10x12	.75	6.00	50.00
Monster, 12 in. up	1.75	12.00	
Gladioli, American Hybrid, 60 per cent. white and light	.20	1.00	9.00
MAY, white and rose, finest early forcer	.30	2.00	18.00
All white and light	.25	1.50	12.00
Rose and pink	.20	1.25	10.00
GROFF'S finest hybrids	.50	3.00	25.00
Gloxinias, separate, white, blue, violet, red, mottled	.60	4.00	35.00
Gloxinia, mixed	.50	3.00	25.00

Come and examine our stock before buying elsewhere. Address

H. H. BERGER & CO., 47 Barclay St., New York

Mention the Florists' Exchange when writing.

ASTER SEED-- Florists' Selected Strains

	Large Trade Pkt.	Per Oz
Aster Queen of the Market, mixed, three weeks earlier than other Asters.	¼ oz. 15c	50c
" Queen of the Market, white, pink, purple and crimson	¼ oz. 15c	50c
" Semple's Branching, mixed, per lb. $5.00	¼ oz. 15c	50c
" Semple's Branching, shell pink, purple, lavender, crimson and white	15c	60c
" Giant Comet, white, rose, red, yellow, light and dark blue, The Bride	25c	$1.25
" Giant Comet, florists' choice mixed.	20c	1.00
Asparagus Sprengeri per 100 seeds, 15c ; 1000 seeds, 85c.		
Giant Sweet Sultans (Centaurea Imperialis), lilac, white, deep purple or mixed	15c	50c

Richard's English Milltrack Mushroom Spawn

THE BEST BRAND IMPORTED

Per brick (about 1¼ lb.), 15c.; 10 lbs. 80c.; 5 lbs., $1.50; 100 lbs. $6.00; 1000 lbs., $55.00 **MUSHROOM TREATISE** Sent with each order.

Get our prices on **Begonias, Gloxinias, Fern Balls, Cannas, Tuberoses** and **Dahlias.**

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

NOTICE

NURSERY STOCK in large quantities. Wholesale List now ready.

CLEMATIS PANICULATA

Two years, No. 1, at $6.00 per 100; three years, very fine, at $7.25 per 100.

LARGE SHADE TREES.

For Varieties and Prices see Wholesale List.

Young Stock for Transplanting.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N.J.

Mention the Florists' Exchange when writing.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

HIGH GRADE

FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

R. & J FARQUHAR & CO,

6 and 7 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : : :

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed	$0 40	$3 00
Cobæa Scandens	30	2 50
Centaurea, Marguerite, choice mixed	50	
Centaurea, Imperialis, choice mixed	40	
" Chameleon	60	
Double Morning Glory, White Tassell	40	4 00
Eschscholtzia, The Golden West	30	3 50
Hunnemannia, Bush Eschscholtzia.	30	3 50
Geranium, Good Venture, magnificent large flowers, grand mixed. Per pkt., 25c.	3 50	
Geranium, choice mixed.	2 00	
" good mixed	35	
Heliotrope, choice mixed	40	4 75
Romneya Coulteri, Matilija Poppy	50	6 50
	100 seeds	1000 seeds.
Farfugium Grande	$0 50	
Geranium, double, grand mixture.	50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed		25
Petunia, double fringed, choice mixed		70
Phormium Tenax, Colensoi, variegata		1 00

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA BEANS CLOVER GRASS ONIONS PARSNIP SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

COMMERCIAL BEAN GROWING IN NEW YORK STATE.—A bulletin on this subject has been issued by the Cornell University Agricultural Experiment Station at Ithaca, N. Y. The author is J. L. Stone. It is stated the present production in this State approaches 2,000,000 bushels per year. The industry was begun in New Orleans County about 1839. While beans will grow in a wide variety of soils and climates, the production of the commercial crop seems to be limited, chiefly on account of the attacks of the bean weevil, to a narrow belt along the northern border of the United States, and to a portion of California. The bulletin gives full instructions as to culture, etc.

European Notes.

Mild conditions still prevailing, business in all parts of the Continent keeps good. Germany is having a busy time, and realizing good prices on what is left of their stocks; France and Italy also report sales good on almost every article, although French-grown mangel does not move, and the crop of yellow onion far exceeds present demands.

Seed crops are reported all around to be fast breaking into life. The biennials in Germany, influenced by the humidity of the atmosphere and soil, are sending out their new roots, and the effect of a frost hardening up the ground would be serious. France reports all crops have stood well so far. White carrots make a better show than usual. Red varieties are very good and plentiful, although a few districts report a grub at the root which is doing a little damage.

From Italy come very favorable reports of the prospects for the crop of cauliflower seeds. Since October, frequent rains have fallen and plants have developed well. The months of December and January were, for this climate, rather cold; it has also been cold early in February, so that the running to seed is retarded. By this means we hope they will not suffer from any later frost which may yet come.

The crop of seed last year, especially of the earliest strains, was only a very moderate one, and the seed itself was not well developed; but there should be a good crop of good seed this year, for on account of the low prices the cauliflowers are realizing in the northern cities of Europe, many of the gardeners will let their plants stand for seed. Of onions and leeks it is now only possible to say that they are looking very well, and we may expect a good crop. Perennials are coming into new life, and growers are now sowing the earlier varieties of flower seeds.

S. B. Dicks, of London, has arrived in Egypt on his way to South Africa, via the Red Sea and the East Coast Route. EUROPEAN SEEDS.

CATALOGUES RECEIVED.

W. E. FULLERTON, Whitman, Mass.—Catalogue of Dahlias.

GEORGE C. WATSON, Philadelphia.—Illustrated Trade List of Garden and Flower Seeds, Grass Seeds, Mushroom Spawn, Supplies, etc.

HEINRICH HENKEL, Darmstadt, Germany.—Price List of Hardy Conifers, also of Water Lilies and Alpine Plants, etc.

FREDERIC J. REA, Norwood, Mass.—Catalogue of Hardy Herbaceous Perennials.

FREDERICK W. KELSEY, New York.—General Catalogue of Choice Hardy Trees, Shrubs, Evergreens, Roses, Herbaceous Plants, Fruits, etc. A very complete catalogue, with numerous illustrations.

PINEHURST NURSERIES, Pinehurst, N. C.—Trade List of North Carolina Woody and Herbaceous Plants and other Ornamentals.

BOBBINK & ATKINS, Rutherford, N. J.—Catalogue of Hardy Herbaceous Plants and Ornamental Grasses.

C. E. BALDWIN & CO., Augusta, Mich.—Surplus List of Fruit and Ornamental Trees and Shrubs.

Gladiolus Bulbs

No. 1900, fine commercial sort, good shipper, choice bedder; reduced prices for 1903. Also Augusta, 4 sizes, May 1 and 2. Shakespeare, **large grade.** Small grade of Augusta for planting stock, $4 00 and $5 00 per 1000. Write for list and prices.

JOHN FAY KENNELL, Box 405, **ROCHESTER, N Y.**

Mention the Florists' Exchange when writing.

CANNAS 50 very fine sorts. **Dahlias,** 35 very fine sorts. **Gladioli,** very fine selected Groff's Hybrids, Lemoines, Childsii. Extra fine mixtures. Best named sorts. **Madeira Vines, Oxalis,** named sorts. **Cinnamon Vines. Peonies.** Our collection is one of the most extensive and carefully selected extant. Over 350 very finest kinds. **Geraniums, Carnations, Roses, Etc., Etc.** We aim to have the very best. Write us for prices. Everything true to name.

C. BETSCHER, Canal Dover, Ohio.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh seed. Direct importation. Due to arrive within ten days.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

Fancy-Leaved

CALADIUMS

Choice Mixture of Named Varieties

Doz., $1.00; per 100, $8.00

D. LANDRETH & SONS

Florist Department

1217 Market St. Philadelphia. Pa.

Mention the Florists' Exchange when writing.

Semple's Large Flowering Asters

Michell's Select Strain

OF THE

Improved Branching Double Flowers. Excellent for cutting.

	Tr. pkt.	Oz.		Tr. pkt.	Oz.
White	$0.30	$1.00	**Pink**	$0.30	$1.00
Blue	"	"	**Red**	"	"
Lavender	"	"	**Mixed**	"	"

Our New Wholesale Price List of Seeds, Plants and Bulbs is what you want. Drop us a postal.

HENRY F. MICHELL

Seed Growers and Importers

1018 Market Street

PHILADELPHIA

CHAS. F. MEYER

19 BARCLAY STREET, NEW YORK.

WHOLESALE IMPORTER OF

- **Lily of the Valley**
- **Roman Hyacinths and Paper Whites**
- **Dutch Bulbs**
- **Bermuda and Japan Lilies**
- **Azaleas and Palms**
- **Nursery Stock**

Azaleas from the celebrated nurseries of

The Ad. D'Haene Co., Ltd., Ghent.

15 per cent. each of the varieties Simon Mardner and Mme. v. d. Cruyssen guaranteed.

MOTTO—High-Grade Quality.

Prices rock-bottom. Correspondence solicited

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST RECEIVED

Fresh Seed of

Latania Borbonica

Price, 60c. per lb., 10 lbs. for $4.50, 25 lbs. an over at 40c. per lb.

Price list of flower seeds for Florists mailed on application,

J. M. THORBURN & CO.

36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

SPECIMEN CONIFERS

	Each
ABIES Alcockiana, 3 to 4 ft	$2 50
Fraseri, 4 to 5 ft	3 00
Concolor, 2½ to 3½ ft	1 75
Pendula, 3 to 4 ft	1 75
Normanniana, 3½ to 4 ft	2 50
Orientalis, 3 to 4 ft	3 00
PINUS Mughus, 2 to 2½	75
RETINOSPORA obtusa, 2 to 3 ft	1 25
Obtusa nana aurea, 2 to 3 ft	1 25
Pisifera, 3 to 4 ft	1 25
Pisifera aurea, 3 to 4 ft	1 50
TAXUS Baccata, 2 to 2½ ft	1 00
Hibernica, 2 to 2½ ft	1 00
THUYA Geo. Peabody, 2½ to 3 ft	1 75
Geo. Peabody, 3 to 3½ ft	3 00
" " 4 ft.	5 00
SCIADOPITYS verticillata, 2 to 3 ft	1 50
Verticillata, 3 to 4 ft	3 50

	Each
SCIADOPITYS verticillata, 4 to 5 ft	$7 50
Verticillata, 6 ft	10 00
KOSTER'S BLUE SPRUCE, 4 ft	7 50
BUXUS Bushes, 12 to 18 ins	25
18 to 24 ins	50
2 ft	75
3 ft	1 00
PYRAMIDS, 3 ft., slender	75
3 ft., fine	1 25
4 ft., fine	3 50
DWARF BOX, for Edging:	
2 to 4 ins	$2 50 per 100
4 to 5 ins	3.50 "
Small, for transplanting	1.50 "
AMERICAN ARBOR VITÆ	
3 ft., fine	10.00 "

1000 RHODODENDRONS. Ask for prices.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI, 2½ x 3½ inch pots, **$3.00 per 100; $25.00 per 1000**

Strong, well-established plants; splendid value.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers — **TREES AND PLANTS** in full assortment — **Trade Catalogue Free.**

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. **WM. WARNER HARPER,** Prop.

Mention the Florists' Exchange when writing.

"PIN OAK"

Our stock of Handsome Oaks of all sorts is unsurpassed.

THE GLENWOOD NURSERIES offer the finest Trees, both **EVERGREEN and DECIDUOUS, FLOWERING SHRUBS and VINES** of all sizes in general assortment. New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

At Reduced Prices.

STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

Fine, bushy plants, 12-18 in. tall

$10.00 per 1000
$90.00 per 10,000

Jackson & Perkins Co.
NEWARK NEW YORK

Mention the Florists' Exchange when writing.

HOLLAND
NURSERY STOCK

ENDTZ, VAN NES & CO.,
Boskoop, Holland

Beg to announce to the Trade that their Mr. Endtz will be in the United States from March 17 until May 6. Please address all communications care of

Messrs. MALTUS & WARE
136 Water Street, New York.

Mention the Florists' Exchange when writing.

SURPLUS STOCK
OAK PARK NURSERIES

MAPLES, NORWAY	10-12 feet fine
" "	12-14 "
" **SILVER**	10-12 "
" "	12-14 "
CAROLINA POPLARS	9-10 "
" "	10-11 "
CALIFORNIA PRIVET, 2 years well furnished	
NORWAY SPRUCE	3-4 feet
" "	4-5 "
ARBOR VITÆ	4 "
" "	6 7 "

Write for Prices.

M. F. TIGER
Patchogue, L. I., N. Y.

Mention the Florists' Exchange when writing.

MAPLES

50,000 Straight, Smooth, Handsome Maples.

NORWAY.

	10	100
6 to 8 ft	$2.50	$20
9 to 10 ft., 1½ to 1¾ in. cal.	3.50	30
10 to 12 ft., 1¾ to 2 in. cal.	4.50	40
12 to 14 ft., 2 to 2¼ in. cal.	7.50	60
12 to 14 ft., 2⅛ to 2¼ in. cal.	10.00	90

ENGLISH SYCAMORE.

	10	100
6 to 8 ft	$2.00	$18
8 to 10 ft., 1½ to 1¾ in. cal.	3.00	25
10 to 12 ft., 1¾ to 2 in. cal.	4.00	35
2 to 2½ in. cal	5.00	45
2½ to 3 in. cal	10.00	75

SUGAR.

	10	100
9 to 10 ft	$2.00	$15
10 to 12 ft., 1¼ to 1⅛ in. cal.	3.00	25
12 to 14 ft., 1½ to 1¾ in. cal.	4.00	35
12 to 14 ft., 1¾ to 2 in. cal.	6.00	50
12 to 14 ft., 2 to 2½ in. cal.	10.00	75
32 to 14 ft., 2½ to 2¾ in. cal.	12.50	100

SILVER-LEAVED.

	10	100
6 to 8 ft	$1.25	$10
8 to 10 ft	2.00	15
10 to 12 ft., 1¾ to 2 in. cal.	3.00	25
2 to 2½ in. cal	4.00	35
2½ to 3 in. cal	7.50	50

Will pack in bales or boxes at cost of material and labor, or will pack in bulk in cars free of charge.

J. T. LOVETT, Little Silver, N.J.

Mention the Florists' Exchange when writing.

SUGAR MAPLES

10 ft., 1½ inch caliper, $20.00 per 100.

Wickson Plum, fruiting size, $25.00 per 100.

Abundance, Burbank, and other varieties, ¾ grade and up, $15 00 per 100.

New Ward Blackberry, $5.00 per 100. All F.O.B.

One Year Palmetto Asparagus, $2.00 per 1000.

D. BAIRD, BAIRD, N. J.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

Surplus Nursery Stock

Apple, **Peach,**
Norway Maple, **Irish Juniper,**
Abundance, **Hale Plum.**

Address

C. L. LONGSDORF, Adams County, **Floradale, Pa.**

Mention the Florists' Exchange when writing.

Strawberries

Forty varieties, from $1.00 to $2.50 per 1000.

ASPARAGUS Strong one-year, 50c. per 100; $2.00 per 1000. Two-year, 75c. per 100; $3.00 per 1000. Varieties—Palmetto, Barr's and Giant Argentina.

Also other Small Fruits, Plants, etc.

Send for Price List.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, **Azaleas,**
Spiræa Japonica, **Lilium Speciosum,**
Peonies, **Bleeding Heart,**
Pot-Grown Lilacs, **Hydrangea in Sorts.**
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President.
D. S. Lake, Shenandoah, Ia., Vice-President.
George C. Seager, Rochester, N. Y., Secretary.
C. L. Yates, Rochester, N. Y., Treasurer.

LINCOLN, ILL.—J. W. Jones, of Detroit, bought in the property of the W. E. Jones Nursery Co., at the Master in Chancery sale, for $2,000.

MONTGOMERY, ALA.—The executive committee have arranged for carrying into execution the new law requiring an inspection of all nurseries in Alabama and of all fruit trees sold in the State. The inspection of the nurseries and the fruit trees will be done by Professor R. S. Mackintosh, State Horticulturist, who is a member of the faculty of Auburn College.

ROCHESTER, N. Y.—The certificate of incorporation of The H. S. Taylor Nursery Company has been filed. The capital stock is $10,000, divided into 100 shares of $100 par value each. The incorporators, who are also the directors for the first year, are Hinman S. Taylor, Frederick V. Taylor and J. Frank Norris. The company was incorporated to take up the business and property of J. F. Norris & Son, which has been located in Brighton.

Ellwanger & Barry, nurserymen, Rochester, N. Y., are introducing two new hardy rambler roses this Spring. One, named Leuchstern, bears single flowers in large clusters, of a bright rose color with a white eye; foliage and habit similar to crimson rambler. The other novelty is named Rubin, a deep red color, and having flowers somewhat larger than crimson rambler. This firm is not sending out a new catalogue this year, but a copy of their last edition will be mailed on request.

World's Fair Horticulture.

Pomological and Nursery Exhibits.

The fruit growers and horticultural societies, both State and local, are taking great interest in the plans making for the fruit exhibit in the horticulture building. The fact that there is to be practically twice as much space devoted to this exhibit at St. Louis as there has been at any former exposition is encouraging news to them.

The space will be secured by an officer representing the State Commission of each State, and all exhibits of this character will be under the management of the State Commission unless there should be a State that does not have a commission, in which case some other arrangements will be made.

Fruit growers, in making an exhibit of fruits, are assured that they will not lose their identity by an arrangement of this kind, for it will be required that all exhibits be plainly marked, showing the name of the grower and the locality where the fruit was produced. This will be of great value from an educational standpoint, as it will give all who are interested in studying fruits, definite information as to the locality where the fruit was produced.

It is important that fruit growers everywhere begin at once to prepare to grow fruit for exhibition purposes. Sufficient plant food should be supplied to enable the trees to bear perfect specimens, and this should be followed throughout the season with the most thorough cultivation. Thorough cultivation will hold the moisture in the soil which will be available for the use of the trees and plants in development of perfect specimens of fruits.

The thinning of fruit should not be neglected. This is an important consideration where it is desired to grow perfect specimens. In doing this work it is advisable to leave only such specimens as promise to be large and perfect, and also those that are not shaded by foliage.

States that are planning to exhibit must have a sufficient quantity of fruit in cold storage so that the space allotted to them will be entirely covered at the time of the opening of the exposition, and in order that they may have a sufficient quantity in reserve in storage to keep the space covered until the 1904 crop of fruit is available.

A circular on cold storage of fruits will be sent out from the Department of Horticulture in good season, giving the latest information obtainable concerning that subject.

It is intended that a collective exhibit of nursery stock from all sections of the world will be made in the Department of Horticulture of the Louisiana Purchase Exposition. This will afford a splendid opportunity for nurserymen, botanists and fruit growers to study the individual varieties and types represented. From an educational standpoint, the value of such an exhibit will be appreciated by all interested in horticulture.

It is also expected to have a collection of the newer varieties of grapes in bearing, especially those that have been produced by crossing. These will be planted the present Spring so that they will be bearing in 1904.

A collection of varieties of strawberries will be planted the present Spring. These will be confined to the new varieties. A part of these will be new varieties that have been produced by a careful system of breeding for the purpose of obtaining those possessing certain characteristics.

In the nursery exhibit, a collection of nursery trees affected with crown gall and other diseases, as well as trees infected with woolly aphis, will be made.

FREDERIC W. TAYLOR.

"Hardy" Eucalyptus.

Nurserymen say they are having no end of useless correspondence from parties inquiring for hardy eucalyptus trees, having seen in the Saturday Post an article on this tree in which it was stated that it was suited to any place "from a tropical swamp to above the snow line on the mountain tops," and that it was to "solve the fuel problem of this country." The article was copied into other papers, where it came under my notice, and a greater lot of rubbish could hardly be put together. Nurserymen and florists all know the eucalyptus trees are from Australia, or that part of the Pacific, and will not stand more than a few degrees of frost, and some species none at all. They are really but greenhouse plants, excepting where it freezes but little.

Earliness of the Season.

It has been some years since so many of the early shrubs are in flower as there are at this date, March 12. Cornus mas is a show, with its shoots thickly covered with its small yellow flowers. Daphne Mezereum is in bloom, so is Jasminum nudiflorum, Lonicera fragrantissima and the catkins of hazel nuts and alnus are fully expanded.

The Cornus mas is not in nearly as many collections as it should be. It is an old shrub, and can be had from almost any nursery. It is the first shrub to make a good display of flowers in Spring.

Hardy Yellow Jasmine.

What a lovely early Spring flowering half climber is the Jasminum nudiflorum, commonly called the hardy yellow jasmine! The Spring now on us has been favorable to this plant; no freezing to catch its buds, and at this writing, March 12, the many plants of it in the gardens hereabout are a mass of yellow flowers. In addition to its use as a climber for fences, or to place alongside a low wall, it makes a pretty object set out as a single specimen, and tied to a stout stake. In a few years there is a mass of shoots sustaining an upright position for some feet without the aid of a stake, and these appear then a shrub with graceful drooping shoots.

This jasmine makes a pretty pot plant. It must be grown in a thrifty way, not pot-bound, but vigorous, with nice, young shoots; then an abundance of its yellow flowers are produced. By keeping such plants in pots, in a cool, shady place until a few weeks before Easter they would be available for that occasion and the flowers are good for a week after expansion, and all do not open at the same time. After flowering, give the plants a rather close pruning.

The Planting Size of Evergreens.

In conversation with a fellow nurseryman recently, on my remarking that there was a dearth of large evergreens, he said he was very glad there was, and he then went on to relate how the large evergreen and the large deciduous tree were each a menace to the good feeling which should prevail between the nurseryman and his customer. These large trees were hard to dig successfully, hard to deliver and hard to grow, he said; and for all concerned the smaller-sized tree was much the better. There is a great deal of truth in what this friend stated. When advice is asked of me I invariably urge the selection of a medium-sized tree. It is surer to grow, and will overtake a larger one in most all cases, as its roots are not injured in transplanting to the extent those of larger ones are. And then there is the satisfaction of seeing the smaller one gain stature and thrive!

An evergreen of three feet and a deciduous tree of eight feet make an appearance at once, and in a very short time double their height. The nurseryman is safe, and so is the customer, when such trees as these are planted.

In the case of a dwelling with no trees about it, it is proper to set large trees, to be in character with their surroundings, even if they do stand still for a year or two; but, as a fact, smaller trees will usually outstrip them in growth.

Japanese Pines.

The following comes from Japan:

"We have been packing a very pretty collection of what we call 'rare' Japan conifers for England, and among them there were several varieties of the variegated 'Matsu' pinus. Remembering that in a recent number Mr. Meehan wrote about these pines, I cut a few twigs and send them to you by this same mail.

"Four of them without any label are forms of Pinus densiflora and the fifth, with a label, is Pinus Massoniana. Mr. Meehan said at the time, if I remember aright, that it was rather difficult to distinguish the two species.

"The Japs call P. densiflora 'red pine' and P. Massoniana 'black pine,' and they may readily be distinguished by the color of the young branches. P. Massoniana looks much darker than P. densiflora; besides, P. Massoniana is of heavier appearance, and perhaps not so much branched.

"The twigs will show the difference in the thickness of the young growth, also in the needles. You will note that the golden form of P. Massoniana is much darker yellow than the P. densiflora.

"Of Pinus densiflora quite a number of forms are found here in the gardens and nurseries. One form—dwarf, forming flat heads (helped along by the knife)—is much favored by the Japanese (we call it umbrella pine). There is also a very pretty hanging form which is especially beautiful when grown up to large trees. The drooping habit is quite constant and cuttings always come true. THEO. ECKART."

The above notes from Mr. Eckart are very interesting, as were the specimens of pines referred to, which were received safely. The trouble here has been not so much between P. Massoniana and P. densiflora as between the latter and P. Thunbergiana. The original densiflora in nurseries here is an extremely rapid grower, strong and coarse in its growth, and noticeable for its prominent white terminal buds in Winter. Now we have what we are told is P. densiflora in one also a rapid grower, but not of the sturdy, coarse growth of the other, and without the white buds, more like the samples Mr. Eckart sends. Which would indicate that the one we have, of fine growth, is the true P. densiflora; and the coarser one P. Thunbergiana, probably.

What a paradise of pines and coniferous trees of all kinds Japan must be!

Mr. Eckart has our best thanks for his kindness in sending the notes and samples.

JOSEPH MEEHAN.

TREES. TREES.
Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.
Wm. J. Chinnick, Trenton, N. J.

HARDY IVY
From sand, all top cuttings, 6 to 8 inches long; well rooted, $1.50 per 100, $12.50 per 1000; $100.00 per 10,000. Samples free. Cash with order.
ALFRED FUNKE
Bergen Avenue Evergreen, L. I., N. Y.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000
CHARLES LENKER, FREEPORT, L. I., N. Y.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
Hardy, Fancy Ornamental Nursery Stock
J. BLAAUW & CO.
BOSKOOP, HOLLAND.
Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain
Mention the Florists' Exchange when writing.

DEATH OF S. CRANE, FORMER OWNER.
Forced Sale of NURSERY STOCK
Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.
NORWICH NURSERIES,
O. E. RYTHER, Propr. NORWICH, CONN.
E. G.—Norway Maples, 12 ft., $25.00 per 100.
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THE BLUE HILL NURSERIES
South Braintree, Mass.
ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.
Field-grown only. Send for Catalogue.
Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
Continental Nurseries, Rochester, N. Y.
Mention the Florists' Exchange when writing.

FANCY-LEAVED
CALADIUMS
A list of 75 varieties in cultivation. Orders booked now for December delivery of bulbs. Send for list and prices.
Phrynium Variegatum, elegant variegated green and white foliage plant, valuable for bedding out, or for use as individual specimens with palms, etc. Strong tubers now ready, 100, $4.
Crinums, Amaryllis and other bulbous stock in variety at low prices.
The Jessamine Gardens, JESSAMINE, FLA.
Mention the Florists' Exchange when writing.

FINE GRAFTED ORANGES BEARING SIZES
12 in., Bushy, from 4-in. pots..........$20 00 per 100
15-18 in., " " " .... 30 00 "
KIN KANS.
10-12 in., Bushy, from 4 in. pots........$20 00 per 100
LEMONS.
12-15 in., Bushy, from 4-in. pots.......$20 00 per 100
18-24 in., " " " .... 30 00 "
ORANGES, LEMONS, LIMES.
Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3 00 each.
ROSES.
Climbing Clothilde Soupert, Strong field-grown..................$10 00 per 100
CLEMATIS APIIFOLIA.
A fine variety, somewhat similar to C Paniculata, but blooms Earlier and Lasts Longer—Strong plants from 3-in. pots. .....$8 00 per 100
FICUS ELASTICA (Top Cuttings).
10-12 in.....................................$20 00 per 100
KENTIA BELMOREANA.
12-15 in., 5 ch. lvs., 3-in. pots...........$18 00 per 100
Phœnix Reclinata and Farinifera
12-15 in., 4-in. pots .... $15 00 per 100
(Not less than 40 of a class at 100 rate.)
CANNAS (Dormant Roots).
2-3 eyes to each division, best sorts $15 00 per 1000
(Not less than 400 of a class at 1000 rate.)
Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.
Write for Catalogue.
P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta Ga.
(Established in 1856.)
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COLORADO BLUE SPRUCE
Exquisite in form and Color. Transplanted.
Bluest specimens, 3 to 4 feet...........$2.00 each
" " 2 to 3 " .... 1.00 "
Green specimens, 3 to 4 feet..........40 cts. each
" " 2 to 3 " ....25 cts. "
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

YELLOW EATON

I have some fine healthy stock of this valuable variety at 50c. each; $5.00 per doz.; $30.00 per 100.

2,000 AMERICAN BEAUTY PLANTS

ON OWN ROOTS. IN FINE CONDITION. READY TO SHIP.

LILY OF THE VALLEY PIPS

READY FOR PLANTING. One year old, $1.50 per 1000; two years old, $4.00 per 1000.

Fine, healthy Rooted Cuttings of **CHRYSANTHEMUMS** in leading varieties.

SEND FOR PRICE LIST. **A. N. PIERSON, Cromwell, Conn.**

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DON'T TRAIL BEHIND THE PROCESSION

Get up in the front ranks by Growing

"ESTELLE" The Money Maker

Earliest Fancy White **CHRYSANTHEMUM,** produces blooms double the size of old varieties. Commands top price. First-class shipper. Makes an ideal pot plant. Offered cheaper than any other new varieties.

DON'T DELAY! MY LAST PROPAGATION.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000.

H. M. ALTICK, - - - DAYTON, OHIO.

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CHRYSANTHEMUMS

Rooted cuttings from cool-grown stock of the following varieties

WHITE Kalb, Polly Rose, Ivory, J. H. Troy, Robinson, Jerome Jones.

PINK—Glory of the Pacific, J. K. Shaw, Lady Playfair, Helen Bloodgood, Mrs. Murdock, F. B. Hayes, Mrs Dalskow.

YELLOW Yellow Monarch, Gloriosum, J. E. Lager, M. Henderson, Robert Halliday, W. Molatsch, Bonnaffon, Mrs. E. D. Smith, Rieman, Col. D. Appleton.

Also 30 varieties of Pompons. My selection, $1.25 per 100, $10.00 per 1000 Timothy Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

WOODHAVEN POST OFFICE.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

	Per 100		Per 100
Floriana	$2 00	G. H. Crane	1 50
Mrs. Lawson	2 00	Roosevelt	2 00
Queen Louise	2 00	J. H. Manley	4 00
Norway	2 00	Mrs. P. Palmer	4 00
Bon Homme Richard	2 00	Mrs. Bradt	2 00
Glacier	1 50	Cressbrook	4 00
Flora Hill	1 50	Gaiety	3 00
Estella	3 00	Mrs. F. Joost	1 00
Morning Glory	2 00	Dorothy	2 00
		Irene	2 00

Write for prices on 1000 or over.

EVENDEN BROS., Williamsport, Pa.

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LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Cressbrook	4.00	......
Mrs. E. A. Nelson	4.00	......
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1.25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates. Cash with order please.

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THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

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CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 00	$25 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	3 00	30 00
Golden Beauty	4 00	35 00
G. H. Crane	2 00	15 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

CHRYSANTHEMUMS 2¼-in. Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

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The Largest, the Brightest, the Freest Scarlet

CARNATION

CHALLENGER

blooms continuously from September until thrown out; endorsed by all Providence florists and elsewhere. Rooted cuttings from perfect stock $5.00 per 100; $40.00 per 1000. Cash with order. Direct from originator.

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Carnations

F. DORNER & SONS CO.

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CARNATIONS

ROOTED CUTTINGS

White.	Per 100	Per 1000
Wolcott	$5.00	$45.00
Norway	2.00	17.50
Glacier	2.00	17.50
White Cloud	1.50	12.00
Red.		
Apollo	6.00	50.00
Estelle	5.00	45.00
G. H. Crane	2.00	17.50
Gen. Gomez	2.00	17.50
Gen. Maceo	2,00	17.50
Pink.		
Nelson	6.00	50.00
Cressbrook	4.00	35.00

Pink.	Per 100	Per 1000
Dorothy	$2.00	$17.50
Mrs. Lawson	2.00	17.50
Elma	2.00	17.50
Morning Glory	2.00	17.50
Mrs. F. Joost	1.50	12.00
The Marquis	1.50	12.00
Triumph	1.00	8.00
Variegated.		
Gaiety	4.00	35.00
Stella	5.00	45.00
Prosperity	3.00	25.00

CHRYSANTHEMUMS Rooted Cuttings. It is well to have the right varieties at the right time of the year, for that is where you make your money. Our stock is healthy, and now is the time to order. The following list is given as to succession of blooming of each color.

White.	Per 100
Opah	$6 00
Willowbrook	2 00
Polly Rose	2 00
Robinson	2 00
Mayflower	3 00
Weeks	3 00
Fee du Champs aur.	3 00
Princess Barsarabba	3 00
T. Eaton	3 00
Jerome Jones	2 00
Yellow.	
Monrovia	2 00
Parr	3 00
Halliday	3 00
Col. Appleton	2 00
Parks	3 00
Bonnaffon	2 00

Yellow.	Per 100
Golden Wedding	$4 00
Yellow J. Jones	3 00
Goldmine	4 00
Golden Beauty	4 00
Pink	
Lady Harriett	4 00
Glory Pacific	2 00
Helen Bloodgood	4 00
Dalskov	2 00
Autumn Glory	2 00
Mrs. Perrin	3 00
Mary Hill	4 00
Murdock	2 00
Calvart, light rose	6 00
Malcolm Lamond, red	5 00

BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in., 15c. each: 7 in., $1.00; 8 in., $1.25.

Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

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HALF MILLION CUTTINGS READY

20,000 EACH OF THE FOLLOWING VARIETIES:

G. H. Crane, America, Prosperity, Armazindy, White Cloud, Flora Hill, Norway, Bon Homme Richard, The Marquis, Guardian Angel

$2.00 per 100; $15.00 per 1000

Governor Wolcott, Mrs. Higinbotham, $5.00 per 100; $45.00 per 1000

Estelle, $4.00 per 100; $30 per 1000. **Mrs. Potter Palmer,** $5.00 per 100; $40 per 1000.

CHICAGO CARNATION CO., Joliet, Ills.

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Special Spring Trade Edition

NEXT SATURDAY.

Carnation Cuttings

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80.00	America	$1.50	$10.00
Potter Palmer	3.00	25.00	Norway	1.50	12.50
Queen Louise	2.50	20.00	Marquis	1 50	10.00
Flora Hill	1.50	10.00	Elma	1.50	10.00
White Cloud	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Ivory	$4.00	$35.00	Bridesmaid	$3.00	$25.00
Bride	3.00	25.00	Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Rooted Chrysanthemum Cuttings

WHITE	100	1000
Timothy Eaton	$2 00	$15 00
George Kalb	1 50	12 50
Ivory	1 50	12 50
Lady Fitzwygram	1 00	8 00
Mme. F. Bergmann	1 50	12 50
Mayflower	1 50	12 50
Minnie Wanamaker	1 50	12 50
Mrs. H. Robinson	1 50	12 50
Merry Christmas	1 50	12 50
White Bonnaffon	2 00	15 00
W. H. Chadwick	1 50	12 50
YELLOW		
Yellow Fitzwygram	1 00	8 00
Col. D. Appleton	1 50	12 50
Major Bonnaffon	1 50	12 50
H. W. Rieman	$1 50	$12 50
October Sunshine	1 50	12 50
Golden Wedding	1 50	12 50
Yellow Mayflower	1 50	12 50
W. H. Lincoln	1 50	12 50
PINK		
Glory of Pacific	1 50	12 50
Mrs. Perrin	1 50	12 50
Mrs. Murdock	1 50	12 50
Pink Ivory	1 50	12 50
Viviand-Morel	1 50	12 50
Marian Newell	1 50	12 50
RED		
Defender	1 50	12 50
Oakland	1 50	12 50

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NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

MRS. LAWSON, Cuttings from black soil
$2.00 per 100, $15.00 per 1000

Well-Rooted Cuttings Now Ready

PINK.	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	Nelson	$5 00	$40 00
Guardian Angel	1 25	10 00	Cressbrook	4 00	35 00
Joost	1 25	10 00	Triumph	1 25	10 00
Genevieve Lord	1 25	10 00	Higinbotham	5 00	40 00
			Morning Glory	2 00	15 00
RED.					
Adonis	14 00	120 00	Palmer	4 00	30 00
Harlowarden	12 00	100 00	Mrs. L. Ine	1 25	10 00
Estelle	3 00	25 00	Chicago (Red Bradt)	2 50	20 00
G. H. Crane	2 50	20 00			
WHITE.					
Flora Hill	1 50	12 50	Hoosier Maid	1 25	10 00
Queen Louise	2 50	20 00	Bon Homme Richard	1 25	10 00
Peru	1 25	10 00	Murphy's White	6 00	50 00
White Cloud	1 25	10 00			

VARIEGATED.

Mrs. G. M. Bradt .... $2.50 per 100; $20.00 per 1000.

ROSES

AMERICAN BEAUTY, 3 in. pot plants, $7.00 per 100; $65.00 per 1000.

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Pierre De Notting	$8.00	$75.00	Bride	$3.00	$25.00
American Beauty	6.00	55.00	Golden Gate	3.00	25.00
Kaiserin	4.00	35.00	Perle	3.00	25.00
Bridesmaid	3.00	25.00	Ivory	4.00	35.00
			Sunrise	7.00	65.00

Well-Rooted Cuttings, Strong and Healthy

	Per 100	Per 1000		Per 100	Per 1000
Bride	$1 50	$12 50	Golden Gate	$1 50	$12 50
Bridesmaid	1 50	12 50	Ivory	3 00	25 00
Perle	1 50	12 50	Sunrise	6 00	50 00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

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CARNATIONS

MURPHY'S WHITE.

If you want a commercial white try it. Rooted Cuttings, immediate delivery, $6.00 per 100; $50.00 per 1000. Satisfaction guaranteed or money refunded.

WM. MURPHY, 130 E. 3d Street, **Cincinnati, Ohio.**

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CARNATIONS, CHRYSANTHEMUMS, CANNAS, GERANIUMS, PELARGONIUMS.

Also BEST STANDARD VARIETIES.

A few hundred **Vinca Variegata**, ready for **IMMEDIATE** delivery. 3½ inch pots, strong, $5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

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MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y**

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Carnations

Rooted Cuttings

	100		100
Floriana	$3.00	Eldorado	$1 00
Gen. Maceo	1.50	Genevieve Lord	1.00
Morning Glory	1.50		

JEWETT CITY GREENHOUSES,
Jewett City, CONN.

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, from 3 to 3¼ inches in diameter; stems the longest known so far, measuring 3 feet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower Show of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; $75.00 per 1000; $500.00 per 10,000. All orders to be filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

NEW CARNATIONS

Lowndes, Fine Large Commercial White.

ENCHANTRESS, MRS. THEO. ROOSEVELT, HARLOWARDEN, SYBIL, MARSHALL FIELD, PRESIDENT McKINLEY, WHITE BRADT, FRAGRANCE.

$2.50 per doz.; $12.00 per 100; $100.00 per 1000.

	Per doz.	Per 100	Per 1000
ADONIS	$3 00	$14 00	$120 00
HER MAJESTY	2 00	10 00	80 00
LILLIAN POND	2 00	10 00	75 00
INNOCENCE		6 00	50 00

Other Leading, New and Standard Varieties.

CHRYSANTHEMUMS

We have a large stock of the leading new varieties. Prompt delivery March 1st, or earlier. Send for complete list of new and standard varieties now ready.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

NOVELTIES—This Year's Introductions

Mrs. Theodore Roosevelt. A brilliant shade of deep cerise pink, flamed with carmine. Finely formed, average 3 inch flower on strong stiff stems. Habit vigorous, early, free. Fragrance, strong clove. Selected, strong, well-rooted cuttings now ready. $12.00 per 100; $100.00 per 1000.

Alpine Glow. A deep salmon pink on opening, which finishes a bright Daybreak tint. Good sized bloom, averaging 2¾ inches at this season of the year. Flowers of great substance and a splendid keeper and shipper. An extra vigorous grower; early, profuse and continuous bloomer. Cuttings taken last April produce plants carrying 25 to 30 blooms by the first of March. We believe this will prove one of the most profitable of the daybreak colored carnations. We shall have the following rooted cuttings ready for delivery at the dates specified: March 15th, 2,500; March 21st, 5,000; April 5th, 5,000. Price, $8.00 per 100; $75.00 per 1000. Quantity limited to the above.

Lillian Pond 2,000 selected plants from 2 inch pots, ready for immediate delivery, $10.00 per 100.

Her Majesty From 2 inch pots, March 10th to 15th delivery, $10.00 per 100.

Marshall Field From 2 inch pots, March 10th to 15th delivery, $12.00 per 100.

Gov. Lowndes Strong plants from 2 inch pots, for immediate delivery. $12.00 per 100.

Adonis Strong plants from pots, March 10 to 15th delivery. $15.00 per 100.

INTRODUCTIONS 1902

Harry Fenn. Extra strong selected stock, $50.00 per 1000.

Viola Allen. Fine strong cuttings for immediate delivery, $50.00 per 1000.

Stella. $6.00 per 100. $50.00 per 1000.

Challenger. Extra strong stock ready for immediate delivery, $5.00 per 100; $40.00 per 1000.

Gaiety. $6.00 per 100; $50.00 per 1000.

J. H. Manley. We have propagated a few thousand extra selected cuttings from this variety which we offer at $6.00 per 100; $50.00 per 1000, to those who wish to give it a trial.

STANDARD VARIETIES

Mrs. Lawson. 5,000 fine strong cuttings for immediate delivery, ready now and up to March 10th, $25.00 per 1000.

Golden Beauty. For immediate delivery, $50.00 per 1000.

Lorna. $25.00 per 1000.

Prosperity. Fine stock from 2 inch pots, $3.50 per 100; strong cuttings from sand, $25.00 per 1000.

Floriana. Fine stock from 2 inch pots, $3.00 per 100; strong cuttings from sand, $25.00 per 1000.

Gov. Roosevelt. $25.00 per 1000,

THE COTTAGE GARDENS, QUEENS, L.I., N.Y.

Mention the Florists' Exchange when writing.

Rooted Carnation Cuttings

Cressbrook, Fair Maid, Boston Market and **Gov. Wolcott**, $5.00 per 100; $40.00 per 1000.

Queen Louise, Lorna, Gov. Roosevelt, Lawson, $3.00 per 100 $30.00 per 1000,

Maceo, Morning Glory, Flora Hill (Sport), $2.50 per 100; $20.00 per 1000.

All selected stock. Cressbrooks exceptionally fine; from same as was awarded special prize at Brooklyn.

C. E. DICKERMAN, 21 Mill St., Dorchester, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

		100	1000
MR. THOMAS LAWSON		$2.50	$20.00
THE MARQUIS		1.25	10.00
QUEEN LOUISE		2.50	20.00
LORNA		2.50	20.00
J. H. MANLEY	75c. per doz.	6.00	50.00
HARRY FENN	75c. per doz.	6.00	50.00

THEODOR LEONHARD

P. O. Box 1646 Paterson, N. J.

Mention the Florists' Exchange when writing.

Carnations Rooted Cuttings

Late March and Early April Delivery

	Per 1000
Morning Glory	$12.50
Cressbrook	25.00
Queen Louise	15.00
Gov. Roosevelt	15.00
Dorothy	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20.00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order. All orders sent in strict rotation. All cuttings guaranteed first-class in every particular.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Extra Strong. Guaranteed Healthy.

	Per 100		Per 100
Floriana	$3.00	**Norway**	$2.00
Chicago	3.00	**Triumph**	2.00
Mrs. G. M. Bradt	3.00	**Mrs. F. Joost**	1.50
Prosperity	2.50	**Evanston**	1.50

Write for prices on large quantities.

CLINTON HILL GREENHOUSES, Newark, N. J.

374-382 CLINTON AVENUE

Mention the Florists' Exchange when writing.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD

North Abington, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cutting

We are receiving orders now for the Ne
Carnations of 1903; also for the New and Standar
sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa

Box 226.

Mention the Florists' Exchange when writing

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a
to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. Th
calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50
500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in th
country, and those who buy of us are sure to ge
plants and rooted cuttings perfectly healthy an
free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 pe
1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100	PINK	Per 100	CRIMSON	Per 10
Queen Louise	$2 00	Floriana	$2 00	Harry Fenn	$5 0
Norway	2 00	Cressbrook	4 00	Gov. Roosevelt	2 5
Goodenough	2 00	Mrs. E. A. Nelson	4 00	YELLOW	
Hoosier Maid	2 00	Mrs. Thos. Lawson	3 00	Gold Nugget	2 00
White Cloud	1 50	Dorothy	2 00	Eldorado	1 25
RED		Irene	2 00		
Mrs. Potter Palmer	4 00	Sunbeam	2 50	VARIEGATED	
Oriole	4 00	Genevieve Lord	1 25	Prosperity	2 50
Jubilee	1 50	Mrs. F. Joost	1 25	Mrs. G. M. Bradt	3 00
Portia	1 25	Daybreak	1 25	Armazindy	1 25
		Ethel Crocker	1 25		

COLEUS, Verschaffeltii and Golden Bedder, 75 cts. per 100; $6.00 per 1000

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by experienced grower of stove and greenhouse plants, orchids, roses, carnations, chrysanthemums, etc. Address C. G. Z., Coatesville P. O., Pa.

SITUATION wanted by a German, 30, single, 14 years' experience as all-around man, and general greenhouse grower. State terms. Address M. B., care Florists' Exchange.

SITUATION wanted on private place; orchids, palms, roses, carnations, violets, lawns, single; references; state wages. M. M., care Florists' Exchange.

WANTED, position as a general greenhouse grower; commercial or private, by a German, 29, single; 12 years' experience. Address M. C., care Florists' Exchange.

FIRST-CLASS grower, married, of cut flowers and general stock, wants position as working foreman, or will go on shares. Address Foreman, 712 First Ave., West Troy, N. Y.

WANTED by April 1, position in A No. 1 cut flower store, by young man, 30 years of age; 10 years' experience; can furnish best of recommendations M. J., care Florists' Exchange.

FIRST-CLASS florist and gardener, 18 years' experience, understanding all branches, wishes position; private place near Yonkers preferred; good references. Address M. D., care Florists' Exchange.

SITUATION wanted by single man, 25 years old; nationality French; private or commercial place; experienced in greenhouse and outside work; good references. Please state wages. Address M. A., care Florists' Exchange.

SITUATION wanted by Belgian, single, age 30; 16 years' experience in Belgium, France, England and this country, well up to date; can take charge of place. Please give particulars. Address Y. B., 952 Second Ave. (2d floor), New York City.

FIRST-CLASS rose grower, open to engagement April 1, commercial or private; three years with present employer, references from present and former employers. State wages in first letter. Address M. E., care Florists' Exchange.

SITUATION wanted by strictly first-class gardener and trustworthy man; German, 36, married, life experience, excellent references, fully competent to manage any place; state full particulars and wages. Address Dillenberger, 143 Ferry Street, Newark, N. J.

HELP WANTED

WANTED at once, two good men, one for greenhouse work and one for outside work. Dummett & Wagner, Mount Vernon, N. Y.

WANTED, three single men experienced in growing roses and carnations. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED—Experienced help for general greenhouse work. Good wages to good men. Apply at once. McGregor Bros. Co., Springfield, Ohio.

WANTED, day fireman who understands steam boilers and pipe fitting. Steady employment. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED, single man who has had some experience in rose growing; steady position. Write or apply to F. C. Schweinfurth, Bronxville, N. Y.

WANTED, competent grower of carnations, chrysanthemums, and general bedding stock. Good wages to the right man. Address M. F., care Florists' Exchange.

WANTED, assistant for greenhouse and general garden work. Wages $10.00 per week. Steady employment for the right man. John Reck & Son Bridgeport, Conn.

WANTED—First class salesman and maker-up; only those accustomed to handling first-class trade need apply. Steady position and good salary to right party. Hart, 1000 Madison Ave., New York City.

WANTED immediately, industrious, trustworthy young man, capable of taking some responsibility, to grow carnations and general stock; permanent position. Must understand English John Curwen, Glenhead, L. I., N. Y.

WANTED, night fireman for steam heating; must be a good, willing worker and have some experience in potting and planting; steady position the year round. State where last employed. Address Kennebec Greenhouses, Bath, Maine.

WANTED, working foreman for commercial place, one who understands cut flowers and pot plants thoroughly; will pay $75 to $100 per month to right man; give particulars. Also want second man. Carl Hagenburger, West Mentor, Ohio.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED A good all-around man for greenhouse and outside gardening, apply or address G H Stuber, Woodlawn, New York City.

WANTED—Experienced man on carnation and pot plants; also to help on design work and shipping flowers. Address, with references, S. J. Reuter, Westerly, R. I.

WANTED—Good practical greenhouse hand to assist in working up bedding stock. $50 per month to man competent to take charge of 15,000 feet of glass. J. T. DeWitt, Bristol, Pa.

WANTED—Practical florist, must be thoroughly experienced in roses and carnations, and be able to grow good stock. Permanent place to right man. Address K. C., care Florists' Exchange.

WANTED, greenhouse assistant with experience in watering, ventilating, potting, etc., cut flowers and plants. Retail commercial place, eastern New York. Wages $25.00 and board per month. Give references and state experience. Address M. G., care Florists' Exchange.

WANTED, a man who is a competent grower of bedding plants, carnations and Easter stock. Must be active and steady. Please state wages or call on S. H. Powell, 11 and 13 Crescent St., Brooklyn, N. Y.

WANTED at once, man who has had experience in rose growing, cutting and re-potting; must come well recommended. Apply to Foreman, E. G. Asmus, Hudson Boulevard and Milone St., W. Hoboken, N. J.

WANTED—A single young man having some knowledge of greenhouse work. Must be an industrious worker and of good habits. Steady place for the right man. Wages, $20 per month with board and room. Address L. K., care Florists' Exchange.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester, Mass.

WANTED—Experienced foreman, married man, to take charge of retail place; mostly pot plants, bulbs and Easter stock; also some outside work on private places. Must be a hustler, have thorough knowledge of the business and come well recommended. Address K. F., care Florists' Exchange.

GERMAN WIDOW, 37, possessing fine establishment, 18,000 ft. glass, 18 acres fine land, having had trouble in getting right man for running plant, sees only two ways ahead, either sell, or, as she is not willing to part with place, to advertise for a German gardener who knows his business thoroughly, especially carnations; healthy, honest, sober, and not afraid of work, between 40 and 45, with a view to matrimony. Address L. H., care Florists' Exchange.

BUSINESS OPPORTUNITIES

TO LEASE for long term to reliable party, two greenhouses, 15x100 feet each; hot water heating; with or without living rooms; city water and gas; good home trade. Apply to Miner, Hollis, N. Y.

FOR SALE OR RENT—Greenhouse property, 2 acres, 7 houses, dwelling, barn, sash, gas and water privileges. Ten minutes by rail from 34th street ferry, N. Y. Possession immediate. A. Gladstone, Real Estate, Woodside, L. I.

FOR SALE on easy terms at Secaucus, N. J., 40 minutes from Hoboken Ferry; two desirable places for florists, plot 200 x 600 feet with large house, and carriage house, with stable. Plot adjoining 175 x 600 with house, carriage house and barn. Address J. N. Kip, 211 Greenwich Street, N. Y.

TO RENT—At Woodside, L. I., within three miles of 34th street ferry, my entire greenhouse plant consisting of about 17,000 feet of glass. All A 1, heated with seven Hitchings boilers. A visit for inspection will convince you it's a snap. Alex. S. Burns, Woodside, N. Y.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

TAKE NOTICE—Will be sold at a sacrifice to close estate. Three greenhouses comprising over 7,000 ft. of glass, hot-water heat, eight acres of ground, ten-roomed house with all conveniences -five-roomed tenant house—stable and carriage house. On line of trolley adjoining the city of Trenton, N. J., New York, Philadelphia and local markets. Walter F. Smith, Trenton, N. J.

FOR SALE—Bargain for an enterprising man. Well established florist business (18 years) with houses and stock ready for Spring trade. Eight greenhouses four 100x16 and four 55x10, 32 cold frames, all well filled. Dwelling, barn and outhouses, lot 170x197 feet. Must be sold on account of death of late owner, Mr. Andrew Jepson. Call or address, Samuel Burhans, Westfield, N. J.

Mention the Florists' Exchange when writing.

CHANGES IN BUSINESS.

DES PLAINES, ILL.—Julius Fulle has disposed of his greenhouse business here.

KANSAS CITY, MO.—The Wm. L. Rock Flower Co. was incorporated with a capital stock of $50,000. The incorporators are W. L. Rock, C. E. Haite, Louis Westervelt and Lucy B. Rock.

WASHINGTON, PA.—Large greenhouses are to be built on the McBurney farm, about two and a half miles east of Washington, and flower culture will be carried on extensively. The farm contains 42 acres, and has been purchased by a company of local men at $160 an acre. The men interested in the enterprise are J. M. Dickson, Peter Kennedy, W. J. Warrick, Wm. Christman, Ed. Culbertson, Joseph Seaman, John W. Warrick, Todd Culbertson, J. S. Salmons, John M. Wilson, George Warrick, and A. J. Culbertson. J. S. Salmons, a stockholder, a practical flower grower, with experience here and also in other cities, will be at the head of the project, and will live on the place. On the farm is a gas well that will supply fuel for an acre of glass. There is also a deep drilled water well and sand stone quarry, with a 30-foot breast. Small fruit culture will be conducted as a side line.

For Sale or Exchange 50,000 Sen. Dunlap **Strawberry** plants, the best strawberry introduced in ten years, ten other varieties 50 cts. per 100; $3.00 per 1000. Want rooted cuttings or single potted Geraniums, Chrysanthemums, Pinks, Bedding Plants, Pansies or offers. **J. W. Crowell, 479 Garden St., Hartford, Ct.**

Mention the Florists' Exchange when writing.

FOR SALE or EXCHANGE

1,500 large, field grown **DAHLIAS**, mixed varieties, Nymphaea, Fire Ball, Yellow Queen, Maceo, etc., at $2.00 per 100 clumps. **CARNATIONS**, rooted cuttings, 2,000 Joost, 900 America, red, 300 Gen. Maceo, good stock, $1.50 per 100. **Will Exchange** for Nephrolepis Bostoniensis, Araucarias, Small Palms or Violets, rooted cuttings of Lady Campbell. Write

L. POPE & SON, Barnesboro, N. J.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE—Well paying florist establishment at Grand View-on-Hudson, N. Y.; three greenhouses 20 x 130; several acres land; nine-room residence; everything in fine condition. Address K. W., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

MISCELLANEOUS WANTS

WANTED to rent for a term of years, from 10,000 to 15,000 feet of glass; must be in good order, with some land; near New York. M. H., care Florists' Exchange.

WANTED to rent, plant with 20,000 to 30,000 feet of glass within twenty miles of Philadelphia. Address R., care Dumont & Co., 1305 Filbert St., Philadelphia, Pa.

MISCELLANEOUS

FOR SALE, 180 seed boxes in good order, cheap, 29 feet long, 4 feet high. Jos. Simonson, Port Richmond, S. I., N. Y.

FOR SALE—35,000 second-hand flower pots for sale, from 3½ up to 6 inches; from $5.00 per 1,000 upward. Henry Ulrich, Woodside, L. I.

FOR SALE First-class new 2 inch black pipe, long lengths, at 10¼ cents per foot. S. Jacobs & Sons, 1365 Flushing Ave., Brooklyn, N. Y.

WANTED, eight specimen orange and lemon trees in tubs, running 6 to 7 feet tall. Fruiting variety.

Five to six well-shaped and bushy oleanders in variety, 7 feet. Shady Hill Nursery Co., 44 Broad St., Boston, Mass.

See our Advertisement on Page 313

MANHATTAN SUPPLY CO.

339 East 23d Street

NEW YORK

Mention the Florists' Exchange when writing.

Seasonable Stock

	Per 100
Adlumia, Cirrhosa, 2¼-in. pots	$3.00
Anemone Japonica, Alba Elegantissima, Lady Ardilaun, Queen Charlotte, Rosea Superba, 2¼-in. pots	5.00
Strong field grown	10.00
Arundo Donax Var., strong divisions	15.00
Macrophylla Glauca strong divisions	15.00
Begonia, Manicata, Aurea 2¼ in pots	8.00
Rex 2¼ in pots	5.00
Gloire de Lorraine (June delivery)	15.00
Boltonia, Latisquama strong divisions	5.00
Campanula, Pyramidalis, 2½-in. pots	3.00

CANNAS

2-EYE DORMANT ROOTS.	Per 100
Chas. Henderson	2.50
Florence Vaughan, Pierson's Premier, Mme. Crozy, Queen Charlotte and Robusta	3.00
Philadelphia	4.00
Golden Bedder and Mme. L. Druz	5.00
Mrs. Kate Gray	8.00
Pennsylvania	10.00

Also many other varieties, both Novelties and Standard Sorts. Send us a list of your wants for prices.

CARNATIONS

A Complete List of Novelties and Standard Varieties. Prices on application.

CHRYSANTHEMUMS

Our collection is unsurpassed in this country, containing all the desirable American and Foreign Novelties, as well as all the best exhibition and commercial sorts. Descriptions and prices on application.

	Per 100
Maximum Triumph, 2¼-in. pots	$3.00

Carex, Japonica Var., 2¼-in pots	3.00
Coreopsis Lanceolata, 2½-in. pots	2.50
Strong clumps	5.00
Delphinium, Formosum, 2½-in. pots	3.00
Queen of Blues (Dwarf), strong clumps	6.00
Digitalis, Gloxiniaflora, 2½ in pots	3.00
Erianthus, Ravennæ, strong divisions	6.00
Eulalia, Gracillima, Japonica Var. and Zebrina, strong divisions	6.00
Eupatorium, Ageratoides (Hardy Ageratum), strong clumps	5.00
Gaillardia, Grandiflora, 2½-in. pots	2.50
Strong clumps	5.00
Helianthus, Maximiliana, Miss Mellish, Mollis, Multiflorus Plenus, Multiflora Maximus, Orgyalis, Rigidus and Tomentosus, 2¼ in. pots	3.00
Multiflorus Grandi-Plenus (Soleil d'Or), 2¼ pots	3.00
Clumps	6.00
Honeysuckle, Halleana, strong field grown	5.00
Isolepis, Gracilis, 2¼-in. pots	3.00
Monarda, Didyma and Fistulosa Alba, strong divisions	4.00
Moonflower, 2¼-in. pots	3.00
Oriental Poppy, 2½-in. pots	3.00
Phalaris. Arundinacea Var., 2¼-in. pots	2.50
Arundinacea Var., strong divisions	5.00
Pyrethrum, Hybridum, 2½-in. pots	3.00
Strong clumps	6.00
Rudbeckia, Golden Glow, 2½-in. pots	2.50
Golden Glow, strong divisions	5.00
Newmanii, 2½-in. pots	3.00
Strong divisions	6.00
Purpurea, strong clumps	8.00
Salvia, Splendens, Bonfire, Gigantea, Glory of Stuttgart, 2¼-in. pots	3.00
Splendens, Triumph (New)	5.00
Sedum, Spectabilis, 2¼-in. pots	4.00
Sweet William (Best English Strain), field-grown	5.00
2½-in. pots	2.50
Tritoma, Pfitzeri, strong divisions	10.00
Valeriana, Officinalis (Garden Heliotrope), strong divisions	5.00
Violets, Princess of Wales, from soil	2.50
Lady Campbell, from soil	2.50

Nathan Smith & Son

ADRIAN, MICH.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTIES

Young Plants from 2 by 3 inch rose pots ready to send out $6.00 per 100, $50.00 per 1000

JOSEPH HEACOCK, WYNCOTE, PA.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

First crop now ready. Strong plants from 2½ inch pots, **$6.00 per 100; $50.00 per 1000.**
Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery, and will be filled in rotation.

ROBERT SCOTT & SON, Sharon Hill. Del. Co, Pa.

Mention the Florists' Exchange when writing.

HARDY ROSES AND CLEMATIS.

ROSES. Strong plants from 2½ in. pots. Ready now for retail trade or in May for field planting. Get our list of varieties. Price, $4.00 per 100; $35.00 per 1000.

Clematis. Jackmanni, Henryii and Mme. Andre, 3½ in. pots, at $10.00 per 100; 2½ in. pots, $7.50 per 100.

W. & T. Smith Co.,
GENEVA, N. Y.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100, $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100, $30.00 per 1000. **Golden Gate,** 2 in. pots, $3.00 per 100. **Ivory,** $4.00 per 100. **Helen Gould,** $6.00 per 100. **Mrs. Oliver Ames.**

Cash must accompany order.

J. HENRY BARTRAM. Box 5, LANDSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

By C. W. WARD.
Write for particulars.
THE FLORISTS' EXCHANGE. 2 Duane St., N Y

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each; $7.50 per Dozen; $50.00 per 100. Stock limited.

GREAT REDUCTION

On the best list of Cannas ever offered; **50 Varieties,** all different shades; **strong healthy roots. Our Cannas never kept so well. Prices** have been lowered **25 per cent.** to reduce surplus. **This offer good for a short time only. No order accepted** for less than 100 roots, or 10 of a kind, at these prices.

PINK SHADES.

	Per 100
Louise	$6.00
Betsy Ross	6.00
Luray	2.25
Martha Washington	3.00
Improved Duchess of Marlborough	2.25
Shenandoah, bronze leaf	2.25
Eastern Beauty, bronze leaf	6.00
Mlle. Berat	2.25
Pink Ehmanii	2.00

RED SHADES.

Brandywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		6.00
Cherokee, new		4.50
Black Prince		3.00
Blazing Torch		2.25
Olympia	$18.00 per 1000;	2.25
Philadelphia	18.00 "	2.25
Duke of Marlborough	18.00 "	2.25
Pillar of Fire		3.50
Pennsylvania, orchid flowering,	$67.50 per 1000	7.50
Pres. McKinley		2.25
Pres. Cleveland		2.25
Chas. Henderson		2.00
Partenope, orchid flowering		4.00
Columbia		2.25
Chicago		2.25
Baltimore		3.00

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$6.00
Queen of Holland		4.50
Evolution		6.00
California		3.00
Coronet		3.00
Primrose		2.00
Duchess of York		3.00
Florence Vaughan	$18.00 per 1000;	2.25
Comte de Bouchard		3.00
Austria	$15.00 per 1000,	2.00
Burbank		2.00
James Wood, orange		4.00
L. E. Bailey		2.50
Eldorado		3.50

VARIEGATED SHADES.

Duke of York, a new Canna with very large flowers and most striking appearance		7.50
Niagara		6.00
Augusta		3.00
Gloriosa		6.00
Mme. Crozy	$18.00 per 1000;	2.25
Queen Charlotte	18.00 "	2.25
Allemania	18.00 "	2.25
Italia	18.00 "	2.25
Alsace, creamy white	18.00 "	2.25

EXTRA MIXED CANNAS, great variety in color, $1.00 per 100, $8.00 per 1000.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; **$100.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. One-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30 00 per** 100. Two-year field plants, 3 to 3½ ft., **Bushy, $7.00** per doz; **$50.00** per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSE PLANTS

From 2½ inch pots, extra strong.

	Per 100	Per 1000
Bridesmaid	$3 00	$25 00
Bride	3 00	25 00
Golden Gate	3 00	25 00
Ivory	5 00	40 00
" (from 3 inch pots)	8 00	

GEO. W. WATERFIELD
Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ROSES.

Clean, healthy, two and three-eye cuttings. Very superior stock

	Per 100	Per 1000
Bridesmaid, Bride,	$1.50	$15.00
Meteor, Golden Gate,	1.50	15.00
Perle,	2.00	20.00
Ivory, fine,	3.00	25.00

We do not take hard blind wood. The stock is **warranted good value.**

BOSTON FERNS. Fine, cool grown stock, 4 in. $15.00 per 100, 5 in. $25.00; 6 in. $40.00; 7 in. $60.00. Good profits in this stock. **Plumosus,** 4 in. $12.50 per 100. **Sprengeri,** 4 in. $8.00 per 100. **Vincas,** variegated strong 2 in. $2.50 per 100.

W. H. Gullett & Sons, Lincoln, Ill.

Mention the Florists' Exchange when writing.

ROSES, CARNATIONS, GERANIUMS, CANNAS AND MISCELLANEOUS PLANTS

Fine Line of two-year-old Roses at $9.00 per 100.
5 in. American Beauty, extra heavy. $20.00 per 100.

Burbank Cannas dormant roots, 2 to 3 eyes. $1.00 per 100; $7.00 per 1000.

Write for our new list. Cash please.

NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries.
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

THIS SPRING
MARCH 28th

Every
Spring
We
Spring
The
Spring
Edition

THIS SPRING
MARCH 28th

American Beauty Roses

Parties wishing to secure strong, healthy plants will make no mistake in ordering fron us; we have them in 2½ and 3x4 in. pots.

Prices on application.

M. TILDEN, Madison, N. J.

Mention the Florists' Exchange when writing,

AMERICAN BEAUTY

No more Rooted Cuttings, no more 2-inch plants Extra fine plants of 2½ inch stock at $50 00 per 1000 New York bank draft or certified check onl received in payment.

F. D. VREELAND, Paterson, N. J

Mention the Florists' Exchange when writing

HARDY ROSES, ETC

FOR SPRING DELIVERY.
Prices on Application.
A Few HYACINTH BULBS on Hand.

C. H. JOOSTEN, 178 Chambers Street, **New Yor**

Mention the Florists' Exchange when writing

Two-Year-Old Roses

From 4 in. pots, extra strong, 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals	10.00 "

Violets, 2½ in., Lady Hume Campbell, Swanle White, California, Luxonne and Prince of Wale $3 00 per 100; $25.00 per 1000.
Hydrangeas, Thos. Hogg and Monstrosa, 2½ in $4.00 per 100; $35.00 per 1000.
Clematis Paniculata, 3 years old, strong, fiel grown, $10.00 per 100.
Double Geraniums, 2½ in., $3.00 per 100; $25.(per 1000.
Lemon, American Wonder or Ponderosa, $4.(per 100; $35.00 per 1000.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 4 in $7.00 per 100.
Asparagus Plumosus, 4 in., $8.00 per 100.
Honeysuckle, Chinese Evergreen, Halleana an Golden Leaved, $2.50 per 100.
Plumbago, white, $3.50 per 100.
Cyperus Alternifolius, $2.50 per 100; $20.00 per 100
Vinca Major Variegata, $2.50 per 100; 4 in., $8.(per 100.
Achillea, The Pearl, $3.00 per 100; $25.00 per 100

THE SPRINGFIELD FLORAL CO.
Reorganization of JNO. A. DOYLE & CO.
SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing

GIANT PANSIES

(ROEMER'S). Fine plants, coming in bud 100,000 wintered over.

DAISIES, Snowball, Gian

Above $2.50 per 1000; $11.00 per 5000. CASH.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing

FOR EASTER BABY PRIMROSES

Primula Forbesii

Out of 4-inch pots, in full bloom, $1.00 per doz. $8.00 per 100; $75.00 per 1000.
Out of 3 inch pots, in full bloom, 75 cts. per doz. $5.00 per 100.

CUT BLOOMS
75c. cts. per 100; $5.00 per 1000.

GERANIUMS
4-inch pots in bloom. Mostly double. **Jean Viaud, Bruanti, Mrs. E. G. Hill, etc.** $1.0 per dozen; $8.00 per 100.

	Per 100
Tiger, out of 2 inch pots	$10.00
" unrooted cuttings.	5.00
Mrs. Lawson	2.00
Mrs. Lawson, Flora Hill, unrooted cuttings	.75

Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

DON'T POTTER WITH SCRAPS

When You Can Buy Picked and Selected Bulbs at HEADQUARTERS in the Quantities and Varieties You Need for Less.

Without doubt **WE HANDLE GREATER QUANTITIES** of Spring bulbous stock than any other house, aiming to supply choicest quality at west possible price and invite comparison.

Cannas

Large, dormant pieces, like those hown in cut, with many eyes: IME. CROZY, PAUL MARQUANT, URBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, LORENCE VAUGHAN, ITALIA, QUEEN HARLOTTE, FLAMINGO, AUSTRIA, LSACE, SHENANDOAH (bronze foliage). 30 cts. per doz.; $2.00 per 100; 15.00 per 1000.

SPECIAL PRICE ON LARGER QUANTITIES.

DAHLIAS LARGE FIELD ROOTS.

	100	1000
amed Varieties: Fancy, Show, Cactus and Pompon	$6.00	$50.00
ixed, all colors	4.00	35.00
eparate Colors: Pink, red, striped, yellow or white	4.50	40.00

FERN BALLS

These Should be Started Now for Christmas Trade.

to 7 inches, $1.80 per doz.; $13.00 per 100, or case of 500 for $60.00.

The above is a Photo-Engraving of the Canna Roots we send out

TUBEROSES All Sound and Selected Bulbs.

Hand Picked and Selected, 900 in a barrel, 4 to 6 inches, $7.75 per bbl.; $1.00 per 100

Hand Picked and Selected, 1400 in a barrel, 4 inches $7.50 per bbl.; 75c. per 100

Hand Picked and Selected, Monsters, 600 in a barrel, 6 to 8 inches $9.00 per bbl., $1.75 per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS.)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz	15.00	

GLADIOLUS

All Selected Bulbs. Florists' should observe the fact that many of the so-called new and improved Hybrids are not suitable for market purposes, being of a flimsy texture will not stand any length of time cut like the Standard Gandavensis varieties, named below.

	100	1000
American Mixed, many whites	$1.00	$8.50
Very Fine Mixed	.75	6.50
Second Size Mixed	.65	5.00
Augusta, pure white	4.50	40.00
May, Daybreak color	2.50	20.00
Shakespeare, white and rose	5.50	50.00
White and Light, best	2.00	18.00

JAPAN IRIS (Iris Kæmpferi)

In twenty choicest named sorts. All of recent introduction. Best in existence. Double and single varieties.

	Each	Doz	100
Dormant clumps, named varieties	$0.15	$1.25	$7.00
" " Mixed sorts	.10	.75	5.00

PALM SEEDS NEW CROP SEEDS NOW READY

Cocos Weddeliana $1.00 per 100; $7.50 per 1000
Latania Borbonica 70c. per lb.; $50.00 per 100 lbs.
Pandanus Utilis $1.00 per 100 $7.50 per 1000
Dracæna Terminalis Canes $25.00 per 100 lbs.

Anemone Japonica Whirlwind Dormant field roots
Doz., 50c.; 100, $2.50; 1000, $20.00

For all other varieties of Spring Planting Stock, get our CATALOGUE just published.

CLUCAS & BODDINGTON CO.

Telephode, 4390 SPRING. 812-814 GREENWICH STREET, cor. Jane St., NEW YORK CITY

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

Cincinnati.

Carnation Meeting.

The carnation meeting at the club rooms of the Cincinnati Florists' Society last Saturday claimed most of my attention the past week. To start with, the blooms, as a whole, were of better quality than it has been my pleasure to see for many a day. The principal exhibitors were the Chicago Carnation Co., H. Weber & Son, and our own "Dick." You all know who he is. Before I forget it, I want to say a good word for his Improved Estelle. This is well named. While its color possibly is no better, the flower itself is a decided improvement and contains much more substance. The stem and calyx are all one can desire in a good commercial carnation. A vase of Adonis was certainly grand. It is easily the best scarlet carnation to date. While there are many others on the same order, they have not the bright luster. Enquirer, a vase of which was on exhibition, is very handsome. As a light pink it is hard to beat. The Chicago Carnation Co. had the following staged: Fifty white Polar Queen. This is a new sort which looks promising. It has a fine stiff stem, a good calyx, and a flower which measures about three inches in diameter. Her Majesty, a white with light penciling of pink, is a fine flower. The penciling is so light that it is of no particular objection. As it is a very free bloomer, it is well worth a trial. When I saw Mrs. Potter Palmer last year at Indianapolis I was favorably impressed with it. As it was shown here Saturday, I still hold to the same opinion that it is a good thing. Harlowarden, crimson, is O. K., and I believe it attracted more attention than anything else in the show. Marshal Field is variegated on the order of Mrs Bradt. I think it a beautiful flower, but the buying public only want pink, white and scarlet. They have never taken kindly to crimson in this market. I am inclined to think, however, that when Harlowarden makes its debut here it will sell.

The judges reported: Polar Queen, second prize; Her Majesty, third; Harlowarden, first. Potter Palmer, first, in competition with Estelle; Marshal Field, second, in competition with Prosperity.

I believe H. Weber & Sons had a finer lot of blooms than they ever staged before. I never saw Estelle done better. Although Dick won first, he said in open meeting that Weber & Sons deserved it. Governor Lowndes is certainly a grand flower, and it won the first prize as best white; also the S. A. F. bronze medal. Adonis captured the S. A. F. silver medal. Mrs. Lawson, Genevieve Lord and Prosperity were all choice flowers. The last two named carried away first premiums In the seedling class. Adonis secured first prize; Governor Lowndes, second. Third went to Witterstaetter's No. 822 A, which is a fine scarlet. Mrs. Lawson showed up well here, but, of course, was not as interesting as some others.

Peter Crowe, Utica, N. Y., sent a choice display of Bride and Bridesmaid roses, also a fine plant of Adiantum, all of which was awarded a certificate of merit.

Mrs. E. T. Grave had a vase of President McKinley which, as usual, attracted attention.

Huntsman & Co. exhibited a pink seedling that was creditable.

J. W. Rodgers had a violet display. The prize for best general display was awarded to R. Witterstaetter.

The meeting in the evening was well attended, with the following visitors present: James Hartshorne, Joliet, Ill.; E. T. Grave, Richmond, Ind.; C. H. Kunzman, Louisville, Ky.; Herbert Heller, New Castle, Ind.; Henry Weber, Oakland, Md.; Walter Mott, Jamestown, N. Y.

The discussion of the schedule for the Fall festival was taken up and laid on the table until March 21.

The progressive euchre to be given at the club rooms March 26 promises to be quite a "swell" affair.

E. G. GILLETT.

Pittsburg.

G. & J. W. Ludwig had their stand decorated very prettily in honor of St. Patrick's Day. Green carnation was, as usual, the favorite flower, and quite a number of people still say as they pass the stand that they have never seen green carnations before. From the top of the stand streamers of green tape were gracefully hung, reaching almost to the counter, an electric fan keeping them in motion.

John Bader, accompanied by Mr. Koerbel, of Jeannette, Pa., has left for the East to pick up some novelties for Easter trade.

Superintendent Falconer, of Schenley Park, tendered his resignation to the Director of Public Works, and has accepted the superintendency of the Allegheny Cemetery. Mr. Falconer will likely remain until after the Easter show, and then expects to visit some of the cemeteries throughout the country before he takes his new place about May 1. He has done much to improve our parks, and the work at present is in good shape. Mr. Falconer came to Pittsburg in 1896 and succeeded the late A. W. Bennett as Superintendent of Parks. He is a graduate of Kew Gardens, London. After spending a few years in Texas, where he met Professor Sargent, of Harvard University, he was induced to take the position of superintendent of botanical gardens at Harvard. He remained there for seven or eight years, and then took charge of Charles A. Dana's estates for twelve years, after which he came to Pittsburg. He succeeds John Perring, who retires after being superintendent of the Allegheny Cemetery for almost 30 years.

E. C. REINEMAN.

Buffalo.

Along retail lines a dullness exists, though not extreme. This week some decorating orders for store "openings" have made business for some firms. Flowers are in pleasing supply for all regular needs, and in fine quality. There is no glut, such as usually exists at this time. Carnations are not in overplus.

VIDI.

Newport, R. I.

Easter stock this year is looking very promising. The weather is fine and lilies are in good condition.

F. L. Zeigler, our new seedsman, has a fine lot of large Crimson Rambler coming on finely, also a clean lot of lilies which will be just right for Easter.

Gibson Bros. report exceptionally bad luck with lilies, having had to dump about a thousand owing to disease, but they have a very fine lot of lilac, and an enormous amount of bulbous stock. They have imported some fine specimen Box, both standard and pyramidal.

Mr. Fred Smythe, of Smythe & Wadley, was in town this week, superintending the laying out of an extensive Italian garden for Mr. R. Gambrill on Belvue avenue, which is going to take an enormous quantity of stuff. While in town he purchased the well-known specimen conifers on the J. J. Van Allen estate, and intends shipping them to New Jersey.

Mr. Chas. D. Stark has a fine lot of American Beauty, which will be in full crop for the holidays.

The G. A. Weaver Co. report fine business in seeds; they are making a specialty of dahlias this season, having imported a large quantity from Europe.

T. FIELDHOUSE.

A TIMELY TIME FOR A TIMELY EDITION NEXT SATURDAY

GERANIUMS

BEGONIAS, ALYSSUM, ASPARAGUS PLUMOSUS NANUS, CYCLAMEN, ABUTILON SAVITZI, FUCHSIAS, CYPERUS ALTERNIFOLIUS, DAHLIAS, FERNS, HYDRANGEAS, DRACÆNAS, AGERATUM, SALVIA, VINCA VAR., MARGUERITE, COLEUS, HELIOTROPE. **Send for List.**

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

Geraniums 2½ in. pots, fine plants, from early Fall cuttings. **Heteranthe, Nutt, Double General Grant, La Favorite,** $2.00 per 100, $18.00 per 1000.

CANNAS Strong, dormant roots at $1.00 per 100, $10.00 per 1000; following varieties: **Chas. Henderson, Fl. Vaughan, Helen Gould, Ant. Crozy, Austria, Papa.** Cash with order please.

CHAS. AMBACHER, Long Branch, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

In 2 and 2¼ in. pots, ready for shifting, at $2.00 per 100; $18.00 per 1000. In fine shape.

Following varieties: S. A. Nutt, Double Gen. Grant, John Reed, Francis Perkins, Richard Brutt, Montague, Ruy Blas, La Favorite, Bruanti, Mme. Bruant, Rev. Atkinson, Jas. Gaar and several others.

Also Mme. Salleroi, in fine shape.

Happy Thought, 2¼ in. pots, $3.00 per 100.

	100	1000
Coleus, in variety, rooted cuttings	$0 60	$5 00
" " in 2¼ in. pots...	2 00	18 00
Double Petunias, Dreer's strain, R. C.	1 25	10 00
" " Dreer's strain, 2¼ in. pots...	1 75	15 00
Heliotrope, all dark, R. C.	1 00	9 00
" " " 2¼ in. pots.	2 00	18 00
Feverfew, Little Gem, R. C.	1 25	10 00
" " " 2¼ in. pots	2 00	18 00
Ageratum, in variety, R. C.	60	5 00
" " 2¼ in pots	1 25	10 00
Fuchsias, in variety, R. C.	1 00	
" " 2¼ in. pots	2 00	18 00
Vincas, R. C.	1 00	9 00
" 2¼ in. pots	2 00	18 00

Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

The finest up-to-date varieties, named, our selection; strong and well-branched, out of 3s, $4.00 per 100.

ROSE GERANIUMS, strong 3s, $4 00 per 100.
PELARGONIUMS. Fancy mixed, strong and bushy, out of 3 in. pots, $5 00 per 100.
HELIOTROPES. Large, light and dark, strong 2 in. pots, $2.00 per 100.
AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2 00 per 100.
LOBELIA. Emperor William, best dwarf dark blue, very strong, 2 in., $2.00 per 100.
CHINESE PRIMROSE SEED. Finest grown, mixed, 500 seeds, $1.00; ½ pkt., 50 cts.
PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000.

Extra strong transplanted, from soil, 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.
No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.
Strictly Our Selection, 1000 and over, $17.50 a 1000

SCENTED GERANIUMS

Rose, Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**
CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.
DAHLIA ROOTS, large field clumps, **$5.00** per 100. (Our selection, $4 00 per 100).
LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**
FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**
CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B Smith, Col D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford Mme F. Bergmann, Mrs R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs S. T. Murdock, Mrs H Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.
HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2 00
Second size, 4 to 6 in.	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.
Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for Catalogue of Full Line of Greenhouse and Bedding Plants.
Notice our Vegetable Plant Advertisement.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

GERANIUMS, Labeled, 2-inch, $2.00 per 100.
CHRYSANTHEMUMS, Labeled, 2-inch, $2 00 per 100.
SELAGINELLA DENTICULATA, 2-inch, $2 per 100. No. 1 stock. Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted cuttings, 12 fine varieties, all double, mixed. $1.25 per 100.

HYDRANGEA OTAKSA	$2 00 per 100
FUCHSIAS, 6 varieties	1 00 " "

JOHN BRONNER,
301 BEECHER ST. SYRACUSE, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Landry, Nutt, Buchner, Ricard, Poitevine, Perkins, Bruanti, J. P. Cleary, Dryden, Ivy, eight best, Mrs. Parker, (Dwf. Mt. of Snow), and others, $14.00 per 1000. R. C. one-fourth less—Le Soleil, J. Viaud, $2.00 per 100.

COLEUS Very brightest fancy, $5.00 per 1000; G. Bedder and G. Queen, $6.00 per 1000. **GIANT LEAFED,** 20 kinds, very showy, $1 00 per 100.

CANNAS Scarlet, white, yellow, crimson and gold edged, pieces, $1.00 per 100. **HELIOTROPE,** dark, **Scarlet Sage, Ageratum,** Giant Sng. Petunias, plants $1.00 per 100; R. C. 60c. per 100.

PANSY BARGAIN Select finest, strong heavy rooted (big lot) 60c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

CARNATIONS

Rooted Cuttings **Healthy Stock**

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100. $18 00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premium, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. From 2½ in. pots. } **Bride, Bridesmaid, Golden Gate,** $12.00 per 100. **Liberty,** $15.00 per 100.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R. McArthur, M. Wanamaker, Mrs. T. L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand Morel, Xeno, $2 00 per 100; $17 00 per 1000. Collingfordi, H. W. Reiman, Ivory, J H. Woodford, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Burgeman, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100, $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12 00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CANNA ROOTS

Home grown, strong roots, 2 and 3 eyes each, in perfect condition, and strictly true to name.

25 of a variety at 100 rates; 250 of a variety at 1000 rates.

	100	1000
Admiral Schley, 3 ft., red	$5.00	
Allemania, 6 ft., gilt edge	2.00	$15.00
Austria, 6 ft., yellow	2.00	
Buttercup, 2½ ft., yellow	4.00	
Chas. Henderson, 3 ft. red.	2.00	15.00
Crimson Bedder, 3 ft., best red.	2.50	
Egandale, 4 ft., bronze	3.00	25.00
Florence Vaughan, 5 ft., yellow.	2.50	20.00
Golden Bedder, 2½ ft., yellow.	2.50	20.00
J. D. Cabos, 4½ ft., bronze	2.50	20.00
J. T. Lovett, 5 ft., red, best foliage	2.50	20.00
Leopard, 4½ ft., yellow spotted	3.00	
Mme. Crozy, 3½ ft., gilt edge	2.00	18.00
Mme. Molin, 3½ ft., red	2.50	
Midway, 4ft., red	2.50	
Mrs. Eisele, 6 ft., apricot	3.00	25.00
Mrs. Kate Grey, 6 ft., red	6.00	
Olympia, 3 ft., red.	3.50	
Paul Bruant, 4 ft., red	2.50	
Pennsylvania, 6 ft., red	8.00	
Pres. Carnot, 4 ft., bronze	2.50	20.00
Pres. McKinley, 3 ft., red	2.50	20.00
Pluto, 3 ft., bronze	2.50	
Queen Charlotte, 4 ft., gilt edge	2.50	20.00
West Grove, 4 ft., coral pink.	5.00	
White Lady, 5 ft., white	3.00	
Zebra, 4 ft., yellow and brown	5.00	
Mixed, dwarf or tall, all colors mixed	1.50	12.00

Circular describing each variety, mailed free. Prompt delivery. Cash with order.

J. T. LOVETT
Little Silver New Jersey

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., fine plants, 2½ in. pots	$2.50 and $3 00
10 var., fine plants, 3 in. pots	4 00
Coleus, 16 var., 2 in. pots	2 00
Double Petunias, 2½ in. pots	3 00
Verbenas, 2½ in. pots	2 00
Vinca Var. Vines, 2 in. pots	2 50
Asparagus Sprengeri, 2 in. pots . . . 1000, $18 00;	2 00
PANSY PLANTS . . 1000, 2 50;	50

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS. 3 in., fine, bushy, $6.00 per 100.

ASPARAGUS SPRENGERI. 2½ in., $2.00 per 100.

LITTLE BEAUTY FUCHSIAS. 2 in., $5.00 per 100.

MME. SALLEROI GERANIUMS. 2¼ in., $3.00 per 100; 3 in., $4.00 per 100.

SMALL FERNS, for dishes 3.50 per 100.

COLEUS in variety, 2½ in., $2.50 per 100.

CHRYSANTHEMUMS. Fine assortment of standard varieties, 2½ in., $2.50 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing.

CARNATIONS

Strong Rooted Cuttings ready to ship at once.

	Per 100	Per 1000
Mrs. Lawson	$2 50	$20.00
G. H. Crane	1 50	12 50
Prosperity	2 50	20 00
Genevieve Lord	1 25	10 00

Cash with order, please.

DE PEW BROS., Nyack, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Fine Healthy Rooted Cuttings

	Per 100	Per 1000
Mrs. T. W. Lawson	$3 00	$25 00
Hill Sport	2 00	17 50
G. H. Crane	2 00	17 50
Gov. Roosevelt	2 00	17 50
Norway	1 50	
Queen Louise.	1 50	
Mrs. Bradt	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing.

Special Spring Trade Edition

Next Saturday

MINNESOTA GROWN
Hardy Ornamental Stock.

3,000 SYRINGAS (Philadelphus), 18 to 30 in. and up, 8 cts. In the following varieties: Opulifolia, Zeyheri, Grandiflora, Lemoinei, Golden.

4,000 SPIRÆAS, 24 to 30 in., strong, 7 cts. In the following sorts: Douglassi, Van Houtti, Anthony Waterer, Billardi, Prunifolia.

500 CLETHRA, or **SWEET PEPPER BUSH,** 2 feet and up, 7c.

1,000 FLOWERING CURRANTS, 24 to 30 inches, 7c.

1,500 ALTHEAS, 18 to 30 inches, 10c. **Choice Named Sorts,** single and double.

2,000 CLIMBING HONEYSUCKLES, strong, 2 years old, 8c. Scarlet Trumpet, Hall's Japan, Chinese Twining, Monthly Fragrant.

2,000 MATRIMONY VINE, extra strong and heavy, 5c.

500 GOLDEN ELDER, 2 feet strong, 8c.

1000 PURPLE BERBERIS, 18 to 24 inches, very fine, 8c.

1000 DEUTZIAS, 18 to 24 inches and up, strong and stocky, 7c. Candidissima, Crenata, Gracilis, Pride of Rochester, Waterer.

500 UPRIGHT HONEYSUCKLES, red and white, 3 to 5 feet, 10c.

1000 HYDRANGEA PANICULATA GRANDIFLORA, 18 to 24 inches and up, 10c.

2,000 GOLDEN GLOW, strong, field-grown, 3c.

HARDY HEDGING—
2 400 Caragana or **Siberian Pea Tree,** 4 to 8 in., 1c.
2,200 Russian Olive, 4 to 8 in., 1c.

The above stock is dug and cellared ready for immediate shipment.

FINE FOR LANDSCAPE WORK.

L. L. MAY & CO., Nurserymen, Seedsmen and Florists, **St. Paul, Minn.**

Mention the Florists' Exchange when writing.

New York.

Market Question.

Spring is here and the time is hand when the plant growers for New York market must have a e in which to sell their goods. So nothing has been accomplished to- d that end. The old Clinton Mar- is falling down, and the Tompkins rket is too small. If there are any er markets available for plant pur- es we are not aware of the fact at writing. The members of the New k Florists Market Association called ther meeting for Friday afternoon discuss the situation, but as the nt will not occur until after this ion goes to press, we cannot report result until next week.

s of the Week.

St. Patrick's Day brought with it good demand for shamrocks and, le there was a fair supply on hand, e was not nearly enough to fill all ers. Some of the East-side store- who had been thoughtful enough repare for this day found the sham- s a bonanza, and sold out in short er. Green carnations were offered sale by many of the Greek florists, peddle their wares on the streets, these dyed flowers were no doubt rofitable venture, as they seemed ell at sight, almost.

he funeral of a once prominent poli- n, which took place at Coney nd on Monday, the 16th, called for geat floral display, and a few of Brooklyn retailers reaped a big vest thereby. James Weir's Sons over a vanload of designs and rles Krombach also furnished a l many.

G. Endtz, representing Endtz, Van & Co., Boskoop, Holland, is in n for a few days, and will shortly e on a Western trip to visit his omers.

here is a rumor abroad that a firm retailers will open a store on 28th et, right in the midst of the whole- district.

Herrmann, florists' supply mer- nt, 34th street, reports a very busy on in all lines of goods handled. cut flower market held in the room ctly under Mr. Herrmann's place till in operation, and indications t to a general increase in growers nding this market again in the near re.

eed & Keller, the florists' supply lers, 25th street, have several new gs they are putting on the market season, notably a pot cover that the same decorative effect as the h Bark Cover. It is called the kine Pot Cover, is a splendid imita- of the real thing, lasts equally , and costs a great deal less. An- r novelty is a satin pot cover, de- ed to meet the ideal of a fastidious e. The material (best grade of n) is fixed on semi-circular hoops that clasp together and form the pot cover. To place on a pot or jardiniere, it is simply unclasped and put around and then fastened again, making the richest-looking pot cover we know of. Still another new thing is what is termed the Link Hanger. The hangers on which the fairy flower vases are used are well known to the trade. This latest hanger is gotten up on the link principle. The support, instead of being a single rod, is composed of a series of links, which, besides holding the flower vases, can, by adding to the links, be made any height or length desired. Bark-covered window boxes and Japanese pot covers are also taking well with the trade. The extension pot support, one of the firm's recent introductions, is meeting with an immense sale; in fact, the factory is continuously behind-hand in filling orders.

Myers Gottlieb is spending a vacation at Hot Spr'..gs, Va.

J. H. Rebstock, of Buffalo, was in town this week.

John Einsel, the well-known buyer for George Stumpp, met with a severe accident on Friday, March 12. He was thrown out of the wagon while turning the corner at 55th street and Fifth avenue, and on being taken to Roosevelt Hospital it was found he had a fractured leg. After remaining in the institution a few days he was well enough to be taken home, and is now improving nicely.

WE HAVE

purchased the following, which must be removed before May 1st.

For immediate shipment we have:

1500 Hydrangea Otaksa, 5 and 6 in. pots, $5.00 per 100.

500 Wallflowers, 5 in. pots, bushy plants, $5.00 per 100.

500 Hardy Carnation, $3.00 per 100.

100 Lemon Plants, fruiting trees, 5 in. pots, 15 cts. each.

Rooted Cuttings, ready for delivery April 1.

CARNATIONS

5000 Mrs. Lawson, $2.25 per 100; $19.00 per 1000.
5000 Mrs. Bradt, $2.50 per 100; $23.00 per 1000.
10,000 The Marquis, $10.00 per 1000.
5000 Prosperity, $1.75 per 100; $15.00 per 1000.
3000 Nelson, $4.00 per 100 $35.00 per 1000.
1500 Governor Roosevelt, $2.25 per 100; $20.00 per 1000
300 Adonis, $1.00 per doz.
1500 Mrs. Higginbotham, $4.00 per 100.

GERANIUM CUTTINGS, from soil: S. A. Nutt, A. Ricard, Castries, Poitevine, Gen. Grant, Castelaine, Viaud, Mme. Landry and Goshn, $11.00 per 1000, 5 per cent. discount on 2000 or over. 20 sets Geraniums, containing latest varieties, sold last year for $3.00 to $4.00 per set. Per set of 12, 75 cts.

1000 CHYRSANTHEMUMS Bonnaffon, Polly Rose, pink and white Ivory, stock plants, $2.00 per 100, Timothy Eaton, **5 cts. each;** $3.50 per 100.

1800 Boxes Glass, 10x12, $2.50 per box.
One Guerney, 6 Section Hot Water Boiler, $55.00; one No. 6 Ericsson Hot Air Engine, $50.00.
1000 Fruit and Ornamental Trees and California Privet can be bought very reasonably.
Send in your wants.
Bone Meal, Sheep Manure and Tools used on place.
New 2 in. Wrought Iron Pipe, 10 cts. per ft., 1½ in., 5½ cts. per ft.; 1¼ in., 4½ cts. per ft.; 1 in., 3¼ cts. per ft.; ¾ in., 3c. per ft.
All Fittings, 4 cts. per lb.
New Rubber Hose, 8 ply, 7 cts. per ft.
New Hot Bed Frames, 3x6, including glass, $1.60 each. Cash with order, please.

MANHATTAN SUPPLY CO.
339 East 23d St., NEW YORK

Mention the Florists' Exchange when writing.

SEASONABLE STOCK

	Per doz.	100
AZALEAS FOR EASTER, plants 12 in. in diameter, in 15 leading sorts, including Mme. Van der Cruyssen, Simon Mardner Vervaeneana, Apollo, Deutsche Perle, etc.; 25 plants at 100 rates	$4.00	$30.00
Azalea Mollis, well set with buds	3.00	20.00
Alyssum, Giant double flowered	.30	2.00
Achillea, the Pearl, white flowered $20.00 per 1000	.40	2.50
" Millefolium, pink flowered	.40	2.50
Asparagus Sprengeri, 3 in. pots, fine	.75	5.00
" " 2 in. pots, 1000 $22.00	.40	2.50
" **Plumosus Nanus,** 3 in. pots, fine	.75	3.00
" **Plumosus Nanus,** 2 in. pots, $25.00 per 1000	.50	3.00
" **Comorensis,** stronger grower than Plumosus, 2 in. pots, $25.00 per 1000	.50	3.00
Ampelopsis Veitchii, strong, 4 to 5 ft.	1.25	10.00
Ampelopsis Veitchii, 2 in. pots	.40	3.00
Araucaria Excelsa, 4 tiers	9.00	
Abutilons, 6 best sorts	.40	2.00
Ageratum, Stella Gurney, Princess Pauline, and dwarf white	.40	2.00
Althea, white and rose, 12 to 18 in	.50	4.00
Anemone, Queen Charlotte, new	.60	4.00
Aloysia Citriadora, Lemon Verbena	.30	2.00
Antigonon Leptopus, Mountain Beauty	.50	3.00
Alternantheras, 2 sorts, red and yellow, $17.50 per 1000	.30	2.00
Begonias, flowering, 10 sorts	.50	3.00
Bougainvillea Sanderiana, 2½ in. pots	.75	5.00
Calycanthus Floridus, 12 to 18	.50	4.00
Chrysanthemums, all the leading sorts, including Appleton, Eaton, etc.	.40	3.00
CANNAS, all our Cannas are plants from pots, ready to move right off. Egandale, Mad. Crozy, Florence Vaughan, Mme. Berat, Souv. de Antoine Crozy, Paul Marquand, Chas. Henderson, Philadelphia, Duke of Marlborough, Pres. McKinley, Queen Charlotte	.50	3.00
Cuphea Lavea	.40	2.50
Cyperus, Umbrella Plant	.40	2.50
CLEMATIS, 2-year old imported, pot-grown, better in every way than field-grown roots, including Jackmanni, Duch. of Edinburgh, Henryii, Kermesinus Rubra, and Sieboldii	3.50	25.00
Clematis Paniculata, 2½ in. pots	.50	4.00
Clerodendron Balfouri	.40	2.50
Carnations, best varieties	.50	3.00
Coleus, all the best bedders, $18.00 per 1000	.30	2.00
Cyclamen Persicum Gigantea, 2 in. pots	.50	3.00
Camellia Japonica, in fine assortment, 2 ft	6.50	50.00
Crotons, in 15 best sorts, 2½ in. pots	.50	3.00
Calla Ethiopica, good bulbs	.50	4.00
" Nana Compacta, dwarf, fine bloomers	.50	4.00
" Richardia Maculata, spotted leaf, fine bulbs	.50	3.00
Caladium Esculentum, fine bulbs	.50	4.00
" Fancy Leaved, fine bulbs, good sorts	1.25	8.00
" Esculentum, extra large bulbs	1.00	7.00
Cactus, Queen of the Night	.50	3.00
" Ephiphyllum or Lobster Cactus	.40	2.50
Deutzia, 3 sorts, 12 to 18 in	.50	4.00
Daisies, Paris or Marguerite, white and yellow	.40	3.00
Daisy, Shasta, new	.60	5.00
Dahlias, 12 best kinds, all colors	1.00	7.00
Fern Balls, 5 inch	2.50	20.00
" " 7 to 9 inch	3.00	25.00
Fern, Nephrolepis Piersoni, new, $1.00 each	9.00	50.00
Feverfew, best white	.30	2.00
Ficus Elastica, Rubber trees, 12 in	3.00	20.00
" " " " 18 to 24 in.	4.00	25.00
Fuchsias, in all the leading kinds, both double and single, fine, young stock	.40	2.50
We are large growers of Fuchsias.		
Genista Canariensis	.50	3.50
Geraniums, Double and single, all leading varieties, 2½ in. pots	.50	3.00
" Apple Scented	.50	4.00
Gladiolus, Good & Reese's International mixture, the best from all the world, $25.00 per 1000	.40	3.00
" in separate colors, $15.00 per 1000	.30	1.75
Helianthus, Hardy Sun Flower	.50	3.00
Hibiscus, 12 leading sorts, $25.00 per 1000	$ .50	$3.00
" Peachblow, new	.60	4.00
" White Wings, white flowering	.60	4.00
Heliotrope, 6 best sorts, 2½ in. pots	.40	2.50
Impatiens, Sultani	.50	3.00
Justicias, Brazilian Plume Plant	.60	3.00
Jasmines, Grand Duke, Maid of Orleans, Gracile, Revolutum, Poetica Grandiflora, 2½ inch	.50	3.00
Jasmine, Cape, 5 inch, 20 inches high, well branched	2.50	20.00
" " 2½ inch pots	.50	4.00
Lily of the Valley, fine pips, $9.00 per 1000		1.00
LEMON, PONDEROSA, has ponderous fruit; any one can bloom and fruit it. It blooms in large clusters, the individual flowers as large as a Tuberose. It is the best selling plant we have and we recommend all florists to grow it. 2½ in. pots, $25.00 per 1000	.50	2.50
4 to 5 in. pots	1.50	12.00
Lilacs, white and purple, 15 in	.50	4.00
Linum Trigynum, always in bloom	.40	2.50
Manettia Bicolor, 2½ in. pots, fine, $20.000 per 1000	.40	2.50
Moon Vines, blue and white. Now is the time to buy. Don't put it off until you cannot find them. We have 50,000	.50	3.00
Matrimony Vine .$27.50 per 1000		
Oleanders, white, yellow, pink double flowered	.50	3.00
Orange Quembat or Kin kan, fine plants from 5 in. pots, 18 to 24 in. in height, well branched to bear at once	3.00	25.00
Oxalis Ortgiesii, upright good bloom	.50	3.00
Pittosporum Tobira, plain and variegated leaved	1.25	
Privet, California, 18 in., $30.00 per 1000	.50	3.50
Primula, Chinese, 2½ in. pots	.50	3.00
" Obconica, " "	.50	3.00
Plumbago, 4 sorts	.50	3.50
Passiflora, Constance Elliott	.50	3.00
Pyrus Japonica, Japan Quince, 15 inches	.50	4.00
Areca Lutescens	.50	3.50
YOUNG PALMS FOR GROWING ON. From 2 in. pots. Fine stock.		
Phœnix Reclinata	.50	3.00
Phœnix Canariensis	.50	3.00
Latania Borbonica	.50	3.00
Corypha Australis	.50	3.00
Chamerops Excelsa	.50	3.00
Thrinax Barbadensis	.50	3.00
Philadelphus Grandiflora, 18 in.	.50	4.00
Rhyncospermum Jasminoides	.50	3.50
Rudbeckia, Golden Glow	.50	3.00
Rhododendrons, 2 feet, well set with buds	10.00	
ROSES, Hermosa, 4 in. pots	1.00	8.00
" Soupert, 4 in. pots.	1.25	10.00
" " 5 in. "	1.50	12.00
ROSES, from 2½ in. pots.		
Hermosa	.50	3.00
Clothilde Soupert	.50	3.00
Climbing Soupert	.60	4.00
Gruss an Teplitz	.50	3.00
Ivory	.60	3.00
Maman Cochet	.50	3.00
White Maman Cochet	.50	3.00
We have a general assortment of all kinds of roses. Write for our catalogue.		
Russelia, 2 new sorts and Juncea	.50	3.00
Strobilanthes or Royal Purple, $20.00 per 1000	.40	2.50
Saxifraga, fine for baskets	.50	3.00
Swainsonia, white and pink	.50	3.00
Sanseviera, the Zebra Plant	.40	2.50
Stephanotis Floribunda, 2½ in. pots, fine	.50	3.00
Solanum Azureum, Blue Solanum	.50	3.50
Salvias, all the best bedders	.40	2.50
Smilax, 2 in. pots	.30	2.00
Spireas, Van Houttei and Prunifolia	.50	4.00
" Anthony Waterer, 2½ in. pots	.50	3.00
" Caryopteris, Blue Spiraea	.50	3.00
Sage, Holt's Mammoth.	.40	2.50
Tritoma Pfitzerii, new everblooming, $70.00 per 1000	1.00	8.00
Vinca Variegata, 3 in. pots	.75	5.00
" " 2 in. "	.30	2.00
Viburnum Opulus, Snowball, 15 in.	.50	4.00
" Plicatum, Japanese Snowball, 15 in.	1.25	10.00
Violets, in best sorts, double and single, including Hardy English, Hardy Russian, etc	.50	3.00
Weigelas, in best sorts, 12 to 18 ins.	.50	4.00

Wholesale Catalogue of everything in the ROSE and PLANT LINE now ready. Address

THE GOOD & REESE CO., Springfield, Ohio
The Largest Rose Growers in the World.

Washington, D. C.

State of Trade.

Business has been good the past two weeks; flowers are in excellent shape and the cut is heavy by all growers. Potted plants are selling well. Lent has not had much effect on trade so far. Carnations are a little scarce and holding their own in price. Standards realize from 50c. to 75c. per dozen; fancy from $1.00 to $2.00 per dozen. Roses are also plentiful, prices ranging from $1.00 to $9.00 per dozen. Kaiserin Augusta Victoria range from $1.00 to $3.00 per dozen, retail; Bridesmaid 75c. to $3.00 per dozen; Bride, 75c. to $2.00 per dozen; Ivory from $1.00 to $3.00 per dozen; Golden Gate from 50c. to $3.00 per dozen; Liberty from $2.00 to $6.00 per dozen; American Beauty from $2.00 to $9.00 per dozen; Meteor from 50c. to $2.50 per dozen. Lilium Harrisii are still a little scarce; they realize $3.00 per dozen retail.

Bulbous stock, such as daffodils, tulips, hyacinths, go very readily at 50c. and 75c. per dozen. Callas do not go so fast as Harrisii lilies.

Notes.

Munder Bros. expect to cut about 21,000 longiflorum for Easter.

A. Gude & Bro. are cutting a fine lot of roses. They will have a nice lot of azaleas for Easter.

One of the leading market florists was selling fresh violets at 5c. and 10c. a bunch of 50, retail; old ones from 25c. and 35c. per 100, wholesale. C. W. W.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

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DAFFODILS

First class, with long stems. Send orders to

SUNNY BROOK DAFFODIL FARM
PETERSBURG, VA.
P. O. Box 76
Wholesale Growers and Shippers

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EASTER

Anyone wishing **EXTRA FINE EASTER LILIES and HYACINTHS,** write to

E. Wickersham & Co., Pottstown, Pa.

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Asparagus Sprengeri

3 in., $5.00 per 100; 2 in., $2.50 per 100; $20.00 per 1000.

DEAN FERRIS, PEEKSKILL, N. Y.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots....................per doz., $3.00
6 in. " .... " 5.00
6 in. " strong.................... " 6.00

FERN BALLS

Furnished with leaves....................per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties....................per 100, $4.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

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TWO OF THE GREATEST WONDERS

in the Plant Kingdom. The RESURRECTION PLANT and the LIVING ROCK. Full particulars and wholesale prices sent upon application. Samples of both plants sent postage prepaid on receipt of 50c.

NEWELL & AMES, Comstock, Tex.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 4 in., strong, $6.00 per 100.

Coleus, R. C., mixed, $5.00 per 1000; 60c. per 100. Red, yellow and black, $7.50 per 1000; 80c. per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

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AZALEAS, PALMS, AZALEAS

Bays and Decorative Plants. The largest growers on the continent.

SANDER, Bruges, Belgium

Agent, A. DIMMOCK
60 Vesey Street, NEW YORK.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following:

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1
Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

Our stock is larger and finer than ever before, we can supply standard varieties, including 10 per cent. Mme. Van der Cruyssen. **Do not delay ordering, the sooner the plants are shipped the less danger to the buds.**

Fine bushy crowns,	10 to 12 inches in diameter	$5 00 per doz.,	$40 00 per 100
" " "	12 to 14 " " "	6 00 "	50 00 "
" " "	13 to 15 " " "	9 00 "	70 00 "
" " "	16 to 18 " " "	15 00 "	
" " "	18 to 20 " " "	30 00 "	
" " "	20 to 24 " " "	42 00 "	

PALMS

Areca Lutescens.

	Inch high.	Per doz.	Per 100	Per 1000
2-in. pots, 1 plant in pot	6 to 8	$0 75	$6 00	$40 00
3 " 2 "	12 to 45	1 25	10 00	70 00
4 " 3 "	15 to 18	2 50	20 00	175 00
5 " 3 "	18 to 24	5 00	40 00	350 00
6 " 5 to 6 "	22 to 24	9 00	75 00	
6 " 3 "	28 to 30	12 00	100 00	

Kentia Forsteriana.

2¼-in. pots,	4 leaves,	8 to 10 in. high	...$1 25 per doz.,	$10 00 per 100,	$90 00 per 1000
3 "	5 "	12 to 15 "	... 2 00 "	15 00 "	140 00 "
4 "	5 to 6 "	15 to 18 "	... 4 50 "	35 00 "	
6 "	6 "	30 "	... 1 25 each,	$15 00 per dozen.	
6 "	6 "	30 to 36 "	... 1 50 "	18 00 "	
7 "	6 "	30 to 36 "	... 2 00 "	24 00 "	
8 "	6 "	42 "	... 2 50 "	30 00 "	
8 "	6 "	48 to 52 "	. 4 00 "	48 00 "	
9 "	6 to 7 "	52 to 54 "	... 5 00 "		
9 "	6 to 7 "	54 to 58 "	. 7 50 "		
10 "	6 to 7 "	60 "	...10 00 "		
10 "	6 to 7 "	72 "	12 50 "		
12 in. tubs,	7 "	7 to 8 feet high	25 00 "		

FERNS

For Fern Dishes.

FOR IMMEDIATE USE.

	Per 100	Per 1000
2-inch pots, assorted varieties..	$3 00	$25 00
3 " " " " ...	6 00	

LATANIA BORBONICA.

In.pots.	Leaves.	In.high.	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2½			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

PHŒNIX CANARIENSIS.

11-inch tubs, 3½ to 4 feet high, bushy and shapely, $5.00 each.

11-inch tubs, 4 to 4½ feet high, bushy and shapely, $6.00.

KENTIA BELMOREANA.

In. pots.	Leaves.	In. high.	Per doz.	Per 100	Per 1000
2¼	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	
				Each.	Per doz.
6	6	26 to 28		$1 25	$15 00
6	6 to 7	28 to 30		1 50	18 00
7	6 to 7	30 to 32		2 00	24 00

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

TULIPS AND HYACINTHS.—These plants should be got into the greenhouse now if intended for Easter flowering. Shade them from the sun for a few days, and if the soil in the flats, or pans, shows signs of being infested with worms, give a watering with limewater. One or two applications will rid the soil of the worms. No forcing will be required to have the bulbs flower on time. A house where the temperature goes down to 50 degrees at night will bring them about all right.

ROSES IN POTS.—These should be regularly fed with liquid manure from now on. Another thing that will need looking after is to afford the plants more space on the benches. As the growth develops, they soon get too crowded together, and the first thing one knows the branches on the inne sides of the plants become affected wit mildew, and the shapely plant is gone By spreading out the plants on the benches as they need it, and allowing a free circulation of air around them at all times, they are not so apt to become a prey to mildew.

BOUVARDIAS.—The young stock i almost ready to be taken from the cutting boxes. Potting them into 2½-inc pots is now the right thing to do. Afte potting place them in a rather war house, as they need to be grown alon quite fast in order to make good stoc for planting outdoors when the weathe becomes warm enough.

AZALEAS FOR EASTER

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 eac These are extra large, shapely plants, full of bud.

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per do

Double Fuchsias, red, white and blue. 3 inc $3.00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in co frames, 50c. per 100, by mail; $3 per 1000, by expres

Mammoth Verbenas, 60c. per 100 by ma $5.00 per 1000. **Cinerarias,** 5 inch, $1.50 per do

WHITTON & SONS, Wholesale Florist
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writin

FERNS.

Best vars. from 2½ a 3 in., $3.00 per 100.

CINERARIA STELLATA, 4 in., $5.00 per 1

BOUGAINVILLEA, from 4 in., $2.00; fro 5 in., bushy, $3.00 per doz.

FICUS ELASTICA (Rubber), 5 and 6 in., fi $4.00 to $6.00 per doz., according to size.

BEGONIA, Erfurth, in bloom, and **BEGONI APPLE BLOSSOM,** in bloom, from 2½ pots, $2,50 per 100.

JNO. G. EISELE, Philadelphia, P
20th and Ontario Streets.

Mention the Florists' Exchange when writin

FERNS and GERANIUMS

I have just now some very nice **Ferns** in go shape, nice bushy stock, and a good variety, 2 in., $3.00 per 100, $25.00 per 1000.

Geraniums. John Doyle, Double Gen. Gra Glorie de France, Alphonse Ricard, Beaute Poi vine, $2.50 per 100. Assorted, our selection, $2. per 100.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N.

Mention the Florists' Exchange when writin

20,000 All Pot-Grow

We quote you fine **BOSTON FERNS.**

2½ in....	$4.00 per 100.	6 in.......	$40.00 per 1
3 in....	8.00 "	7 in.......	60.00 "
4 in....	15.00 "	8 in.......	100.00 "
5 in....	25.00 "	10 in.,	$1.50, $2 & $2.50 e

GEO. A. KUHL, Pekin, Il

Mention the Florists' Exchange when writin

FOR EASTER FLOWERI

Azaleas, extra large plants, full of buds, $1. each; good sized plants $1.00 each.

Genistas, in bud and bloom, large plants $3. per dozen; smaller plants $2.00 per dozen.

Cinerarias, fine plants, $1.50 per dozen.

Fuchsias, all colors, 3 inch, $4.00 per 100; 4 inc $6.00 per 100.

UTICA FLORAL CO., UTICA N. Y.

Mention the Florists' Exchange when writin

NOW IN BLOOM

AZALEAS GENISTAS TULIPS
ERICAS Pink and White; Hyacinths a colors. Also all kinds of Palms and Decorati Plants. Prompt deliveries made in Brooklyn a New York. Write for our illustrated catalogu

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P. O. Box 78,
College Point, Queens Borough, N. Y.

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IF YOU WANT GOOD LILIES

Take South Western car, foot of 12th Street, Philadelphia, and see the Model Farm Lilies before ordering elsewhere. 6 inch pots, 3 to 4 feet.

WM. A. LEONARD, PENROSE FERRY ROAD, P. O. STATION "U." **Philadelphia.**

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

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JAPAN
EASTER LILIES

We make a specialty of growing **JAPAN** ILIES, and have already one house in full oom. Customers are cordially invited to inect the stock. Take Rutherford car from oboken.

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County Road, SECAUCUS, N. J.

ention the Florists' Exchange when writing.

AZALEAS

to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 to in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in. ads, $11.00 per doz.: one plant, $1.00. Larger ants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per . 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in ts, $8.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per z.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. ts, $40.00 per 100; $5.00 per doz.; from 8-in. pots d larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from -in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. ts, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per z.; from 7-in. pots and upward, at $1.75 to $35.00 ch.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. ts, $40.00 per 100: $6.00 per doz.. Fine stock of rger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine ants.

Araucaria Compacta, from $1.00 upward. ne plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; n. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, .00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from .00 to $35.00 each.

L. D. Telephone 872a.

HN BADER, Troy Hill, Allegheny City, Pa.

ention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.
Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100; 3 in., $5.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Francis Perkins, 2 in., $2.50 per 100.
Ageratum, blue and white, 75 cts. per 100.
Carnations, Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.
Carnations, Portia, Ethel Crocker, Goodenough, Wm. Scott, White Cloud, F. L. Ine.
Coleus, mixed, **Argeratum,** blue and white, **Verbena, Scarlet Sage.**
Petunia, Lobelia.
All 2 inch pots, $2.00 per 100.
Pansies, ready to bloom, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

40,000 Blooming Plants
FOR EASTER.

3000 Crimson Ramblers, unique designs, extra fine plants, $1.00 to $25.00 each.

2000 Hydrangeas, the finest in the market, $1.00 to $5.00 each.

10,000 Lilium Longiflorum, 12c. and 15c. per bloom.

A large assortment of Hyacinths in pans, $1.00 per doz.

AZALEAS, 75c. to $15.00 each.
HYBRID ROSES, $5 00 per box and up.
SPIRÆA, $4.00 and $6.00 per doz.
RHODODENDRONS, $1.00 to $15.00 each.

Also a large assortment of Palms and other Ornamental Plants.

HERMAN C. STEINHOFF,
578 Hudson Boulevard, West Hoboken, N.J.

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AZALEAS for EASTER

All the best forcing varieties, with good proportion of Mme. Van der Cruyssen and Simon Mardner. 12 to 14 in. crowns, $45.00 per 100. 14 to 16 in. crowns, $60.00 per 100. A quantity of fine bushy specimens, Mme Van der Cruyssen, Niobe, Simon Mardner, etc., with 16 to 18 in. crowns, $15.00 per doz.

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)
$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

AZALEA INDICA.

Have two houses 20 x 100 feet full of these choicest and most favorite Easter plants Most of my customers already know that I am agent for a large concern in Ghent (Belgium), O. Vanden Plas; therefore I can offer you plants at first hand and not through the middleman. In the interest of my customers I go there every year if possible and select my stock personally for the American market. **Notice:** My Azaleas as soon as they arrive from abroad are planted in pots and pinched out as often as it is necessary and taken care of all winter, while some florists place their plants in hot-beds or frames without pots until sold.

MME. VAN DER CRUYSSEN is a rare article this Easter, but as a novelty I can offer about 700 (6-in. pots) of the finest middle-sized plants of this variety, and these are the finest you ever laid your eyes on, as round as an apple, covered with buds. Price, 75c., $1.00, $1.25 each. Specimen plants, 10 and 11-in. pots, $4.00 and $5.00 each.

Other choice varieties in double white, we have Niobe, Bernhard Andreas alba and Deutsche Perle. In pink we have Simon Mardner, Dr. Moore, Memorier, D. L. Van Houtte, Paul Weber, etc. In variegated we have Empress of India, Prof. Walters, Vervæneana, and about eighteen more best varieties of all shades and colors, too much to mention. Price 6-in. pots, 60c., 75c., 85c., $1.00 and $1.25 each. Specimens, 7-in. pots, $1.50 and $1.75 each.

AZALEA MOLLIS, a novelty when in bloom, 6-in pots, 60c. and 75c.

SPIRÆA COMPACTA, 6-in. pots, $3.00 per dozen (my own importation, fine, bushy plants).

CINERARIA HYBRIDA (perfect jewels), all shades and colors, full of buds and flowers, 6-in. pots, $3.00 and $4.00 per dozen; specimen plants, $5.00 per dozen, smaller plants, 5 and 6-in. pots, $2.50 per dozen.

DAISIES, white and yellow, 6-in. pots. $3.00 per dozen.

Coal Didn't Bother Us!

We are Headquarters for

Easter Plants

Blooming Easter Week or Before.

I have an immense stock of the finest and choicest in Philadelphia and in such quantities that exceed anything that I have ever offered before. Several new greenhouses have been added to our large establishment, and these, with many hotbeds are devoted to the entire cultivation of Easter plants alone; therefore I will be prepared to fill all orders if sent in time as far as the supply will reach.

LILIUM HARRISII. Have about 2500 of these (H. F. Michell's selected bulbs, 7 x 9, at $120 per 1000); height from 15 in to 36 in., 5 to 12 buds to the plant, at the rate of 10c. per bud. Lilies are scarce, other plants must accompany the order.

HYDRANGEA OTAKSA (pink). Have a large housefull in tip-top condition, better than ever; strong plants, 6 in. pots, $4.00, $5.00, $6.00 to $9.00 per dozen Specimens, 7-in pots, $1.00, $1.25 and $1.50 each (a few white ones at $3.00 per dozen).

BEGONIAS. Pres. Carnot, 5-in. pots, $2.00 per dozen; 6-in. pots, $3.00 per dozen.

BEGONIA Metallica, 6-in. pots, very large and bushy, $4.00 and $5.00 per dozen.

BEGONIA Vernon (dark red), a new variety from Switzerland, 6-in. pots, full of flowers, $3.00 per dozen.

BEGONIA Vernon (dark red), 4-in. pots, $1.50 per dozen.

BEGONIA, Mixed, 4-in. pots, $1.20 to $1.50 per dozen.

HYACINTHS, all named varieties, from first-sized bulbs of my own importation, all fine shades, $10.00 per 100.

TOURNESOL TULIPS (double red and yellow striped), best double Tulips in existence, sell at sight, three bulbs in a 4-in. pot, $1.50 per dozen pots.

DAFFODILS (Von Sion), double-nosed, three bulbs in a 5-in. pot, unusually fine this year, $2.00 per dozen pots.

Mr G. Aschmann has very fine azaleas, hydrangeas, Easter lilies, spiræas, cinerarias, tulips hyacinths and other plants in bloom and bud. We very highly recommend our customers to Mr. Aschmann for fair and reliable business treatment. (Signed) Henry F. Michell, 1018 Market St.

No use talking, Mr. Aschmann has a very fine lot of Easter plants, and I am greatly surprised at the low prices quoted on same. I can recommend Mr. Aschmann to anyone, as I have known him for the past 20 years (Signed) Geo. Huster, head gardener of Girard College, Philadelphia, Pa.

There is nothing too much said in Mr Aschmann's ad; all that is said is true. (Signed) Thomas Logan, head gardener to W. L. Elkins, Ashbourne, Pa.

On account of saving express charges please mention if plants are to be taken out of pots or not.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere; only 25 minutes' ride from City Hall. Take 13th St. car, or Germantown car, 8th and Market Sts. north to Ontario St., and walk one square east. Cash with order, please.

Money can be sent safely by Express or Postal Money Order, Registered Letter or Draft.

All goods shipped at purchaser's risk.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.
Importer and Wholesale Grower of Pot Plants.

Decorative Palms

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipment.
Carefully grown and packed by

HAERENS BROS., Somergem, Belgium
SOLE AGENTS:
AUGUST RÖLKER & SONS, P.O. Box 752, **New York**

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We beg to recommend our fine and large stock of Orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and **Baskets** of all kinds.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

Every 👁 on Easter

The Florists' Exchange will issue its Special Spring Trade Edition March 28

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THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

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BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

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The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

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Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave.
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
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Seattle, Wash.—R. Watson.
Springfield, Mass.—W. F. Gale.
Syracuse, N. Y.—G. Milmine, 103 Everson Bldg.
Toledo, O.—C. J. S. Phillipps, 115 St. Clair St.
Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf.
Worcester, Mass.—H. A. Jones.

The Massachusetts Horticultural Society has a total membership of 883, 694 of whom are life members.

Florists' Clubs and City Surroundings.

The Hartford (Conn.) Florists' Club has set an excellent example to other similar bodies throughout the country in the investigation it had instituted into the condition of the street trees of the city, which work was placed in the hands of a committee of the club's members. This committee has now made an exhaustive report, intelligently and ably handled, recommending certain necessary changes, as well as suggesting that a forestry department be created, with a sufficient yearly appropriation to develop and maintain the tree planting along all highways in an efficient and practical manner, that said department should be under the jurisdiction of proper authorities, and should be clothed with sufficient power to carry on its work after a uniform and systematic plan.

An interesting portion of the committee's report is the list of trees specified as being best adapted to city conditions; and from that part of the report we make the following extract:

> The ailanthus is pre-eminently the tree which stands more adverse city conditions than any other. Smoke and gas do not seem to affect it, apparently no insects attack it, and it will live and grow in a dry location amid asphalt and other pavements. Although for beauty it is not of the first order, it ought for the foregoing reasons, to be quite extensively used. Others similarly constituted are the cottonwood, white poplar, and some forms of willow. Next are the European linden and the English elm, both of which are tougher in this respect than the American species. All things considered, the best tree for the semi-urban and the suburban parts of a city, where it will have enough room, and where the soil is at least fairly good, is the American elm. Its advantages are a high but not too dense shade, the ease with which wires can be passed through its branches, its rapidity of growth, and the beautiful gothic way in which its limbs overarch a street. Its disadvantages are its lateness in putting out its leaves, its habit of shedding them continuously from about the middle of the Summer onward, its earliness in losing them altogether, and its liability to attack by the elm leaf beetle. Although the habitat of the American elm is a moist locality, it does well even if planted where the ground is somewhat dry, seemingly having the power to send its roots a great distance in quest of water. The English elm, however, has proven in other cities to adapt itself much better to unfavorable city conditions, such as smoke and gas, and excessive drainage of the soil. It also holds its leaves during a longer period. Its worst fault is its greater attractiveness for the elm leaf beetle than even the American elm. Nevertheless, it can be highly recommended as a street tree for the city of Hartford.
>
> Some other trees for the suburban portions of the city are red, scarlet, black, and pin oaks, horse chestnuts, hackberry, silver and red maples, and black walnut. Of all the trees frequently planted, the rock maple is probably the worst, although as a park tree it is one of the first merit. It is one of the first trees to succumb to urban conditions as the city reaches out into the country. If it is planted thickly along a street, and thrives, its shade is too dense. The smallness and multitude of its branches make it difficult to treat it to allow telephone wires to pass through. Linemen say that it is absolutely essential that not the least twig be allowed to touch such wires. In order to prevent this in the case of the rock maple there is no other way than to cut a great hole in the heart of the mass of branches, and this, if left to the average linemen, usually results in ugly and injurious mutilation. If used at all as a street tree it ought to be planted only sparingly on the side streets of the more rural portions of the city. The Norway maple is often planted, and stands city conditions quite well, but it has some of the objectionable features of the rock maple, namely, the denseness of its shade, and its branchiness, and consequent unsuitableness for electric wires. Judging from the somewhat limited data furnished by experience in other cities, the gingko promises well as a street tree. It is to be hoped that a trial will be made of it in Hartford.

The committee was composed of the following gentlemen, and they certainly deserve much credit for the workmanlike treatment given the subject entrusted to them: Theodore Wirth, chairman; G. A. Parker, Robert Karlstrom, Hans J. Roehler and J. Wesson Phillips.

A Severely Serious Society.

An agricultural paper, in a recent issue, holds up the Western New York Horticultural Society as a model of a business society among similar bodies organized for educational aims and objects. The journal in question says: "The attendance regularly overruns the five hundred mark by a good deal, and any member who comes an hour later than the time set for the opening of the meeting invariably finds that he has already missed some important talk and discussion. No time is consumed with lengthy devotional exercises, with addresses of welcome and responses. There is no display of oratory, of wit, or humor, which is intended to amuse the crowd, rather than for instruction and elevation, and no music. There is nothing except that which applies directly to the furtherance of the serious aims and objects of the society. In these respects it differs from many meetings of farmers and fruit-growers, and its example could be followed with benefit."

Yet we have a faint recollection of the seriousness of this serious society having once been broken, not long ago, by a most humorous debate on the nursery fumigation question, or something of that nature.

BOOKS AND PAMPHLETS RECEIVED.

F. B. Vandegrift & Co., New York, have issued their Digest of the Dingley Tariff Law, revised to July 1, 1902. The work is in the form of a pocket edition. Besides containing the text of the tariff, together with the different rates of duty charged on importations, it gives clear and concise instructions on getting goods through the custom house.

BUDDING THE PECAN, by George W. Oliver, Expert, Seed and Plant Introduction and Distribution, Department of Agriculture, Washington, D. C., Bulletin No. 30.

In this bulletin, in which the contents are accompanied with several explanatory plates, Mr. Oliver goes thoroughly into the subject of the propagation of the pecan by budding and otherwise, and presents an improved method by which the work of budding can be very successfully done It is as follows:

> For the reception of the bud make two transverse cuts in the bark of the seedling stock a few inches above the ground line, these two cuts, about one inch apart, to be connected by a longitudinal incision. The bark at each side of the longitudinal cut is then raised far enough to admit of the insertion of the section of bark on which the bud is situated. The rectangular section of bark when prepared for insertion must be of exactly the same length as the cut in the stock. It is taken from the stick of buds by making two transverse cuts through the bark at equal distances from the bud. Two longitudinal cuts are then made through the bark, leaving the bud in the center of the patch, which should be a little over one inch long and five-eighths of an inch wide. The patch must be raised carefully from the bud stick to guard against breaking and with as little bending during the operation as possible. When the operator finds that he does not succeed at the first trial, it will be advisable to practice for a time on wood which is of no value. The stick of buds should be grasped firmly in the left hand, with the knife held by the fingers of the right, the thumb resting on the bud stick. Insert the point of the knife at one end of one of the longitudinal cuts, pressing the blade toward the thumb; this pressure will start the bark. Next insert the end of the handle of the knife, gradually removing the section. The patch is prepared for insertion by first cutting the two ends as straight as possible, using a very sharp knife. The outer bark at the sides is then shaved off, so that the edges will make a perfect fit when under the bark of the stock. When the bud is securely in place, the two wings of bark on the stock are bound firmly over the bud section with raffia, and, as a preventive against the admission of water during the process of uniting, a little soft grafting wax may be smeared across the upper transverse cut and the whole wrapped with a narrow strip of waxed cloth. The wrapping should be started at the bottom, each wrap being half covered by the succeeding one; this will effectually keep out moisture during wet weather. As a protection against the heat of the sun, strips of paper, 8 inches long by 6 inches wide, should be tied around the stem of the stock an inch or two above the bud, but covering it, allowing the bottom part to remain open. After the sixth day the paper covering should be removed, and after the tenth day the waxed cloth may be taken off. By the fifteenth day the buds will have united sufficiently to allow of the removal of the raffia. This method of budding will be found to give an exceedingly satisfactory union. Experience has shown that with carefully selected buds from 1-year-old wood and healthy, vigorous growing seedling stocks, every section of bark will unite.

SILKWORM FOOD PLANTS; also by Mr. Oliver, Bulletin No. 34 of the same division, treats on the cultivation and propagation of various mulberry trees, as well as of the osage orange.

The work, in both instances, has been well done, and the two bulletins will be found of greatest service to all interested in the subjects dealt with.

Obituary

Mr. and Mrs. David Foulis.

It is with regret that we record this week the deaths of Mr. and Mrs. David Foulis at their residence, 260 West 115th street. Mr. Foulis contracted a severe cold which developed into pleurisy and after but a short illness died on Monday, the 16th inst. His wife, Elizabeth A. W. Foulis, who had been an invalid for some time, took to her bed when Mr. Foulis became ill, and lay in a comatose state for a week, dying the day following that of the death of her husband. The funeral services over husband and wife were held in the Fourth Presbyterian Church, Thursday, the 19th inst., at 1 p.m. Three sons and two daughters are left to mourn their loss. Mr. Foulis was about 70 years of age, and had followed the gardening profession all his life.

David Foulis was born at Fordell, near Inverkeithing, Fifeshire, Scotland, August 9, 1834. His father was gardener at that place for over fifty years, and it was there that the son served the apprenticeship considered necessary for the making of a Scotch gardener. Later, as a journeyman, he served at Largo House, Scotland, the Royal Botanical Gardens at Kew, and Trentham Hall, England. While at the latter place he was engaged by the late Mr. Edwin Hoyt, of Astoria, L. I., and came to this country in October, 1861. In 1863 he started in the retail florist business as a member of the firm of Beattie & Foulis at 925 Broadway, and later for himself at 1482 Broadway, where he remained until 1891.

Five years ago, Mr. Foulis took the position of landscape superintendent for Alex. McConnell, the Fifth avenue florist, which position he retained until his death. During the Summer of 1902 he was in charge of the improvements (under Mr. McConnell) at Georgian Court, the palatial home of George J. Gould, Lakewood, N. J.

Besides being an all-round practical gardener, Mr. Foulis had a taste for literary work, and often wrote interesting articles on horticultural topics. He was also a lover of his native country's sports, and never missed an opportunity of participating in the curling games that occurred in or near this vicinity. He was a man of strict integrity, respected and honored by all who knew him.

Hugh Graham.

Hugh Graham died at his home at Logan, Philadelphia, on Saturday last, after one week's illness with pneumonia. He was 71 years old. Born in Ireland, he came to this country when young. In early life he was chiefly interested in the dry goods and clothing business. His first start in the florist business was at 18th and Thompson streets, where he bought out the business of Joseph McMurray. As the ground was sold off for building, other property was acquired at Logan and greenhouses erected. In the eighties he moved down town, going into partnership with Mr. Gregg, at 1204 Chestnut street, later buying out this interest. The firm was known as Hugh Graham & Son. About six years ago the business was moved to 104 South 13th street, where the business is now being conducted on a very large scale, including all the principal decorating work for the large balls, etc., this using up the entire product of the large establishment at Logan. Two sons, William and Hugh J., have been for many years associated with their father in the business. DAVID RUST.

The Special Spring Trade Edition of the FLORISTS' EXCHANGE will be issued next Saturday

Your advertisement in that number will be seen and read by practically every Florist, Seedsman and Nurseryman throughout the country whose trade is desirable. Results are, therefore, conclusively assured. Send in your advertisement. No increase in advertising rates.

New Advertisements can be received to 5 P. M., Thursday, March 26.

Changes of advertisements must be in hand not later than Wednesday, March 25.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Reflections on Current Topics.

ſr. Editor: These are the days of enuous soliciting of advertising busis by the trade press. Three special tions in view, each one claiming to the thing; and all after your ad. It lifficult to decide how to allot one's siness into aliquot parts; still give solicitors satisfaction, and bring k to yourself what you and they are er—the almighty dollar.

dvertising business, unlike kissing, uld go by results received and not favor. Not having stock in any of publishing companies distributing de literature, I adopt the former n, and place my advertising where does me the most good—in The rists' Exchange.

ut it was more on the methods of strenuous solicitor than otherwise t I desired to write at this time. t long ago I received from one of t fraternity a missive somewhat as ows: "Dear Job: I read your icles in the Exchange with pleasure. m glad to know your own health l that of the baby is at par. Don't get the Weekly in your advertising." w, apart from palaver, poetry and traits, that's about the most apling solicitous solicitation that has reached me. After that reference baby I could hardly resist the reest. But I did.

nother one, more of the brazen racter, reads as follows: "Why do discriminate against us in the matof advertising space? You give New York contemporary just uble what you give us. That's not ht. Don't we do as much for you as y? Do you forget that we recently blished the picture of your new cartion?" My answer to this is found the introductory remarks herewith. 'hat leads me to reflect as to how ich a trade paper does for me; ether I am under obligation to it references to my varieties exhibited, unsolicited articles setting forth the w things and good old ones that ve appeared at my place! I have alys believed that the business of a de paper was to give its readers all "news" that would tend in any way help such readers; and that my siness was to run my business as st suited myself to my own advange. But it seems I don't know the first principles of business, and have a lot to learn yet.

⁂

Then there's the matter of rates. Cheap advertising, like cheap articles of any kind, always betokens inferiority. When a man pays a small price for his advertising he should not grumble if his returns from it are correspondingly small. Some friends of mine have been fortunate enough to have their offerings presented "free" in a certain medium; but they tell me the price charged is commensurate with the returns received. The advertiser is after results; the first cost is a secondary consideration, if the advertising pays. That is why I don't object to pony up what you demand.

The old express rate on cut flowers has, I am pleased to notice, been restored. An amusing feature connected with this restoration is the number of agencies arrogating to themselves the credit for having done the job. Probably the withdrawal of business from the companies has been the strongest factor in the case, proving once more that individual effort has an especial value. I read not long ago where some of the shippers forgot to mark "Fresh Cut Flowers" on their boxes, which were forwarded as containing ordinary merchandise not within the "plan and scope" of the higher rate. It's a smart institution that can get on behind the florist. Sure enough, "there's tricks in all trades, but ours."

I may, with your permission, again refer to the peony matter next week, or in the near future. Meantime keep your eye on JOB.

American Rose Society.

The annual meeting of this society will be held in Horticultural Hall, Philadelphia, on Wednesday, March 25, at 2 p.m., when the usual routine of business will be transacted.

Prof. L. C. Corbett will address the meeting on the subject of "Propagating Roses from Flowering or Blind Wood." Mr. E. G. Hill will submit a report on "New Roses," and an address on the "Rose Society and Its Work" will be presented by Mr. Robert Craig. There is considerable local interest in the exhibition, and it is felt that the Philadelphia show will take on a character entirely different from what has been seen in previous efforts in New York City.

Contents.

PAGE
Bowling 323
Briefs for Busy Florists 311
Business Difficulties 323
Canadian News 324
Catalogues Received 303
Firms Who Are Building 323
Flowering and Ornamental Shrubs for the North 318
How to Care for Evergreens 318
Japanese Notes 319
Jointing Greenhouse Pipes 323
Magnolia Stellata (Illus.) 318
Nursery Department 305
OBITUARY:
  Mr and Mrs. David Foulis 316
  Hugh Graham 316
Physostegia Virginica (Illus.) 322
Question Box 319
Reflections on Current Topics 318
Review of the Market 321
Seed Trade Report 303
S. A. F. O. H. Executive Committee Meeting. 320
TRADE NOTES.
  New York, Washington, D. C 313
  Cincinnati, Pittsburg, Buffalo, Newport 311
  Providence, Poughkeepsie, Boston 322
  Grand Rapids, New Bedford, Mass 323
  St Paul, Worcester, Mass 328
  Chicago, St. Louis, Lenox, Mass 329
  Hartford, Conn., Louisville, Ky 331
Vegetables, List of American Varieties 322
Viburnum Opulus (Illus.) 319-320

INDEX OF ADVERTISERS

Allen J K 327
Alick H M 306
Ambacher C 312
Amling E C 329
Anderson & Christensen 314
Andorra Nurseries 304
Aschmann G 315
Bader J 315
Baird D 304
Baker W J 328
Bartram J H 310
Bassett & Washburn 329
Bayersdorfer H & Co 332
Beach Jas E 306
Beckert W C 302
Berckmans P J Co 305
Berger H H & Co 302
Bernheimer E 328
Berning H G 329
Betscher C 303
Blaauw J & Co 305
Black C 304
Blue Hill Nurs 305
Bobbink & Atkins 301
Bock W A 314
Bonnot Bros 327
Boston Letter Co 330
Bradshaw & Hartman 327
Bronner J 312
Brown Bros Co 305
Brown E C & Co 330
Brown P 312 25
Burpee W A & Co 303
Byer Bros 310-25
Caldwell, the Woodsman 326
Cal Carn Co 302
Canadian Advts 324
Carmody J D 331
Chicago Carn Co 306
Chinnick W J 305-25
Clinton Hill G'houses 308
Cheas & Boddington 301-11
Coldwell Lawn Mower Co 332
Collins Thos 326
Conard & Jones Co 310
Cottage Gardens 308
Cowee A 302
Cowee W J 326
Cowen's N Sons 332
Craig R & Son 315
Crooke J J Co 326
Crowell J W 309
Crowl Fern Co 326
Cunningham J H 312
Cut Flower Ex 327
Dailledouze Bros 307
Darling, C T 312
Davis A B & Son 302
Deamud J B 329
Deming Co 330
De Pew Bros 312
Dickerman C E 308
Dietsch A & Co 331
Diller Caskey & Co 331
Dillon J L 308
Dillon G'house Mfg Co 331
Dingee & Conard Co 302
Dorner F & Sons Co 306
Dreer Hy A 314 25-32
Dumont & Co 328
Eichholz H 310
Eisele C 332
Eisele J G 314
Elizabeth Nurs Co 303
Elliott W & Sons 302
Elliott W H 301
Emmans Geo M 315
Endtz Van Nes & Co 304
Evenden Bros 306
Falls City Wire Wrks 330
Farquhar R & J Co 303
Fellowis A J 326
Feltehousen J E 312
Ferris Dean 314
F & F Nurseries 304
Fick & Faber 307
Fillow & Banks 307
Florists' Hall Assn 330
Foley J 328
Foley Mfg Co 331
Foster L H 314
Funke A 305
Gammage J & Sons 324
Garland G M 330
Ghormley G M 327
Giblin & Co 330
Good & Reese Co 312
Grainger E & Co 324
Greene & Underhill 312
Greenhouse Mfg Co 331
Gullett W H & Sons 310
Gunther W H 327
Guttman A J 327
Haerens Bros 315
Hagenburger 312
Hammond J A 327
Harris E 325
Heacock Jos 310
Helois Upton Co 331
Herr A M 308
Herr D K 312
Hermann A 332
Hews A H & Co 330
Hicks & Crawbuck 327
Hill E G Co 329
Hilfinger Bros 330
Hill Top G'houses 325
Hinode Florist Co 315
Hippard E 331
Hitchings & Co 332
Hoffman Wm 306
Holton & Hunkel Co 329
Hoopes Bros & Thomas 310
Horan E C 327
Hor'l Advertiser 326
Hughes G J 325
Hunt E H 329
Igo Bros 367
Invalid Appliance Co 330
Jackson J H 330
Jackson & Perkins Co 303-04
Jacobs S & Son 331
Jennings E B 325
Jessamine Gardens 305
Jewett City G'houses 307
Johnson & Stokes 303
Jones H T 304
Joosten C H 310
Kasting W F 328
Kennell J F 303
King Cons Co 332
Koster & Co 304
Kraft T 308
Kreshover L J 326
Kroeschell Bros Co 330
Kuhl Geo A 314
Lager & Hurrell 315
Landreth D & Sons 303
Lang J 327
Langjahr A H 327
Lenker C 305
Leonhard T 308
Limbach C 332
Littlefield S 308
Little So. Floral Co 308
Livingston Seed Co 330
Lockland Lum Co 331
Long D B 326
Longsdorf C L 304
Lord & Burnham Co 331
Lovett J T 312
Mader P 325
Manhattan Sup Co 309
Mauger W & Sons 302
McCarthy N F & Co 328
McFadden E C 326
McKellar & Winterson 329
McManus J 327
Meyer C F 303
Michell H F 303
Model Farm 315
Moninger J C Co 332
Moon S C 302
Moon Wm H Co 304
Moore, Hentz & Nash 327
Moore W J 328
Morris J W 325
Moss G M 328
Muno J 329
Murphy Wm 307
Myers & Samtman 310
Nat Board Trade 326
National Plant Co. 310
Neipp G F 306
Netschert F 326
Newell & Ames 314
N Y Cut Flow Co 327
Niessen L 328
Norwich Nurs 305
Ouwerkerk P 304
Peacock W P 302
Pennock S S 328
Perkins J J 327
Phila Market 326
Pierce F O Co 331
Pierson A N 306
Pierson F R Co 301
Pierson Sefton Co 332
Pinehurst Nurseries 304
Pittsbg Cut Flow Co 328
Pitzonka G 325
Pollworth C C Co 329
Pope L & Son 309
Quaker City Mch Co 330
Rawlings E I 312
Rawson W W & Co 303
Raynor J I 327
Reed & Keller 330
Reid Ed 328
Reinberg George 329
Reinberg Peter 307
Reynolds J L Co 330
Richards F W & Co 326
Riedel & Co 327
Ripperger Geo 330
Robinson H M & Co 326
Rupp J F 312
Saltford Geo 327
Sander F & Son 314
Schmidt J C 325
Schmitz F W O 302
Schultheis A 314
Scott J 314
Scott R & Son 310
Shellr'd G'houses 325
Shepherd Mrs T B Co 303
Sheridan W F 327
Sim Wm 325
Sinner Bros 329
Slinn B S Jr 327
Smith C 327
Smith N & Son 307
Smith Wm C 326
Smith W & T Co 305-10
Soltau C 325
Springfield Floral Co 310-25
Stearns A T Lum Co 330
Steinhof H C 315
Stern J 326
Stoothoff H A Co 323
Storrs & Harrison Co 315
Stove & Steele 304
Stumpp & Walter Co 302
Sunny Brook Daffodil Farm 314
Sutherland G A 328
Swayne W 308
Syracuse Pottery Co 330
Taylor E J 306
Thompson J D 307
Thorburn J M & Co 303
Tiger M F 304
Tilden M 310
Tobacco W & T Co 330
Traendly & Schenck 327
Utica Floral Co 314 25
Vanhorne Griffin & Co 332
Vaughan's Sd Store 302
Vesey W J & M S 306
Vick's Jas Sons 303
Vincent R Jr & Son 304 12 25
Vreeland F D 310
Warburton C 306
Waterfield G W 310
Weaver G A Co 302
Weber C S & Co 332
Weber H & Sons 307
Webster Bros 324
Weeber & Don 302
Welch Bros 328
Weston H 314
Whetstone & Co 330
Whilldin Pottery Co 330
Whitton & Sons 314
Wickersham & Co 314
Winterich C 325
Wittbold Geo Co 314
Wietor Bros 307
Wood Bros 312
Young J 327
Young & Nugent 327

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.
Abutilon 312
Ageratum 312-15-25-32
Alpine Plants 305
Alternanthera 312-25
Alyssum 312-25
Anthemis 325
Anthericum 332
Araucaria 300-15
Asparagus 302-04-10-12-14-15-24-25 26-32
Asters 302-03-24-25
Aucuba 300-02
Azaleas 300-02-03-04-14-15-24
Begonias 300-02-11-12-15-25
Bougainvillea 314
Box 304
Bulbs (not named) 303-29
Caladium 300-02-03-05-11-12
Candytuft 325
Cannas 300 02 03-05-07-10-11-12-15-25
Carnations 302 07-08-09 10-15
Centaurea 303
Chrysanthemums 306-07-12
Cinerarias 314-15-25
Cinnamon Vines 312
Clematis 300 02-03-04-05-10-25
Cobea 303-32
Coleus 308-12 15-25-32
Conifers 304
Cosmos 303
Crotons 315
Cuphea 325
Cut Flowers 326 27-28-29
Cyclamen 312-25
Cyperus 310
Daffodils 302 14 15
Dahlias 302-12
Daisies 325
Decorative Plants 315
Deutzia 302
Dielytra 300-04
Dracaena 312-15
Ericas 314
Eschscholtzia 303
Evergreens 300-04-05-26
Farfugium 303
Fern Balls 300 02-11-14
Ferns 300 10-14 15 26
Feverfew 312-32
Ficus 300-05-14
Fuchsias 302 12 14-15 25-32
Gaillardia 312
Gardenias 300
Genistas 314-24
Geraniums 303-07 10-12 14 15-25-32
Gerbera 300
Gladioli 302 03-11-25
Gloxinias 300-02-11
Heliotrope 303-12-25-32
Herbaceous Plants 305
Honeysuckles 310
Hunnemannia 303
Hyacinths 303-10-11-14-15
Hydrangeas 304-10-15
Ipomoea 325
Ivy 300-05-12-15-32
Kin Kans 305
Lantana 312-32
Lemons 305-10
Lilacs 300-04
Lilies 302-03 04-14 15
Lobelia 312-32
Maples 304-05
Morning Glory 303
Narcissus 302
Nursery Stock 303 04 05
Orange 305
Orchids 315
Palms 300-02-03-05 14 15 24
Pansy 310-12 14-15 25 32
Pelargonium 307
Peonies 300-04
Petunia 303 12-15 25 32
Phlox 312 25
Phormium 303
Phrynium 305
Plumbago 310
Primula 310 12 24 32
Privet 304
Rhododendron 300 04 15
Romneya 303
Roses 300 01-04-05 07 08-10-15-32
Salvia 312 25 32
Sedum 312
Seeds (not named) 302 03 29
Selaginella 302 12 14
Shrubs 304 05
Small Fruits 304 05
Smilax 302 12 26
Spiraea 304 15 24
Stevia 325
Swainsona 312
Sweet Peas 302
Trees 303 04 05
Tuberoses 302 11
Tulips 314 15
Vegetables 302 04
Verbena 308-12-14 25 32
Vincas 310 12 15 25
Vines 304
Violets 310 25
Water Lilies 312
Yucca 312
MISCELLANEOUS
Auctioneers 328
Boilers 330 32
Books 326 28
Business Opps 309
Collections 326
Cut Flower Boxes 330
Decorative Greenery 326
Designs 326 28 29 30 32
Fertilizers 330
Florists' Letters 328 30
Fittings 331
Florists' Supplies 326 28 29 30 32
Flower Pots etc 328 30
For Sale 309
Galax 326
Glass 331 32
Glazing Points 332
Greenhouse Bldg 331 32
Gutters 330 31
Hail Insurance 330
Insecticides 302 23 30
Lawn Mowers 332
Lumber 330 31 32
Mastica 331
Moss 326
Mushroom Spawn 303
Newspapers 326
Painters' Supplies 332
Pipes, Joints and Valves 330
Printing 326
Putty 332
Sash 330-31
Sprayers 330
Stakes & Supports 302 07
Thermometers 331
Tile 330 32
Tinfoil 326
Toothpicks 326
Tubs 330
Ventilators 330 31 32
Wants 309
Wax Flowers & Designs 326

How to Care for Evergreens.

Paper read by Joseph Hurley, Gardener to James W. Paul, Jr., Esq., Radnor, Pa., before the Pennsylvania Horticultural Society.

Evergreens as soon as received should be heeled-in immediately. A great mistake, in my judgment, is frequently made in having the holes dug in advance of the arrival of the trees, but the anxiety of the gardener to get the job off his hands naturally inspires him to be prepared to plant the trees as soon as they arrive; and, as frequently happens, the planting takes more time than he calculated on, and the results are that the trees are lying on the ground from perhaps four to six hours before they are all planted, exposed to the prevailing dry winds of either Autumn or Spring.

Now there is one point that I would like to call especial attention to, which I think is not sufficiently well understood by most persons, and that is, the reason why an evergreen cannot stand getting even partially dry, as the deciduous trees can, from the fact that the sap of the evergreen is of a resinous nature, and after once becoming dry it can never be brought back to its normal condition no matter how you water it or care for it afterward. Whereas, if most deciduous trees become somewhat dried out they can be brought back to a normal condition by soaking the roots, or if necessity requires it, even burying the whole tree, roots and branches, in the ground for a week or ten days, and unless the roots have been entirely dried out before burying the tree, you will find your tree come up out of its grave ready to start to grow.

Half an hour of exposure to a hot sun, or a drying wind, is often sufficient to dry out the roots of an evergreen; notwithstanding it may have the best of the gardener's care in planting and ample watering after it is planted, it will eventually die. And while the water question is in my mind, if there is any one thing that causes more failures (other than allowing roots to dry out), it is that of puddling roots before planting; as a rule, those who puddle do not water afterwards, hence in the course of a few days the dry earth coming in contact with the damp puddled roots absorbs all the moisture and leaves only a few hard dry balls of earth that had adhered to the roots for the young roots to start in.

How to Plant.

Assuming that you have had your trees heeled-in, of course you would be naturally familiar with the size of the balls, and, therefore, could judge accurately the size of the hole required for each tree. But it is always wise in digging holes for trees, if you err at all, to err on the side of having the hole both deep and wide, and in low or filled-in ground. It is always advisable to fill in the bottom of the hole with eight or ten inches of broken stone, for if there is anything that an evergreen detests it is water lying around the roots. Where such conditions prevail and where artificial drainage is not provided for, the tree may survive for a few months, then sicken, take on that yellow appearance, called tree consumption, and die. Dig around the roots of one of those trees which I have just described and what will you find? All the underneath roots black, sour, rotten. The tree is existing on the few little white roots which the trunk is sending out just at the grade level where the air has kept the soil sweet and pure; these few young roots sustain life for awhile, but in the end the result in death.

In planting, be sure you do not plant any deeper in the ground than the trees were growing in the nursery row. This can be readily seen by a ring around the tree showing the dirt mark. Throw your rammer across the hole, sight it with your eye and if the lower part of your rammer is level with the former dirt mark on your tree, then you are ready for planting.

Now for a willing rammer and a lazy shoveler; and my experience has taught me that it is wise to use two men ramming to one shoveling. It is very prudent and wise after the tree has been set in position to tie up all the lower branches with a rope; this will prevent them from getting injured with either the rammer or shovel.

If your trees have not come to you bagged and with a good ball of earth (and I would not buy an evergreen tree of any nurseryman who would not send his trees so bagged), then I would consider it a very wise plan to spread out the roots as the hole is being filled in, so as to get them in as near the same position as they were before the removal of the tree from the nursery (but keep your eye on the rammer, never mind the fellow with the shovel). Make the rammer ram and ram and ram, but look out that he doesn't get his rammer too close to the trunk of the tree and ram off the young fibrous roots that the tree has to depend on to make it a joy forever.

Never fill in the soil level at first; leave room for water. Have a man follow the planters with the hose, and if not convenient to a hydrant, then use the garden watering barrel, giving to each tree planted from eight to ten quarts of water. Give them a similar supply of water as soon as the first watering has soaked through, and when the second watering has soaked in, then you are ready to put in the balance of your soil, and the tree is planted.

Care After Planting

Having planted the tree, the next thing to do is to mulch it with manure, leaves or any other kind of litter that will help keep the moisture around the roots. Under no circumstances, no matter how dry the weather may be, should any more water be given to the roots, but that does not mean that the tree can survive through a protracted hot, dry spell. We have another method in hot or drying winds of supplying moisture, and that is, syringing. Syringe morning, noon and night; syringe Sunday as well as on week days; syringe the foliage as often as you can; syringe it whenever you can. If you cannot reach your evergreens with the hose, go around among them with the bucket and the little greenhouse syringe. No matter when you plant, Spring or Fall, keep the syringe going until Thanksgiving.

These are the methods which I adopt, and I have planted more than five thousand evergreens within the past two years, and our percentage of loss has not been over two and one-half.

MAGNOLIA STELLATA.

Flowering and Ornamental Shrubs for the North.

Paper read before the Montreal Gardeners' and Florists' Club, by P. J. D'arcy, Manager Eastern Township Nursery Company.

In compliance with your request for some notes on flowering shrubs suitable for this locality, I will mention but a few, and most of these will be old favorites; but they will have the merit of being perfectly hardy and suited to the positions for which they are recommended. They can be seen at any time growing in our nursery at Cartierville, Que.

The dwarf double-flowered almonds, both the pink and the white varieties, are among our very earliest flowering shrubs, and are very desirable varieties.

The purple barberry, Berberis purpurea, is a very handsome shrub growing about 5 feet in height; its violet-purple leaves and fruit make it a very desirable variety, especially for hedges.

B. Thunbergii, with its fine foliage and low dense habit of growth, does best planted in a shrubbery border where it will get plenty of sun, this being necessary to bring out the blood-red color of its foliage to perfection. B. ilicifolia, the holly-leaved barberry, known to some of you, no doubt, as Mahonia aquifolium, a low spreading shrub, well adapted to growing in the shade. It flourishes even where grass will not grow. Many an unsightly spot could be transformed by planting a few of this beautiful evergreen shrub.

For anyone with a sheltered position Deutzia crenata fl. pl., with its beautiful white flowers, will be a source of continued delight. The golden elder, Sambucus aurea, given a sheltered and sunny position, and planted in well prepared soil, will far more than repay any trouble you have had in preparing a place for it. As it often makes a growth of 4 or 5 feet in a season, it needs a severe pruning, but this is best done in the Spring, as some of its young growths are often Winter-killed.

The bright-red bark of Cornus sanguinea, dogwood, should secure it a place in every collection. It is a very attractive object during the Winter months, when so little natural color is seen. It does best planted in a sunny position.

Euonymus europæus is a large growing shrub that holds its berries until late in the Winter. This also does best planted in a sheltered position, with plenty of sun.

The purple-leaved filbert (Corylus Avellana atropurpurea) is one of our best purple-leaved shrubs; it retains its color throughout the entire season.

Prunus Pissardi (the purple-leaved plum) is an other shrub worth planting. It grows 8 to 10 feet high, and is equally adapted as a specimen for the lawn or the background of shrubs. The foliage on the young growths is the best colored, so that a severe pruning is advisable.

The purple fringe, or smoke tree (Rhus cotinus), a very elegant ornamental shrub; a fine specimen covered with its curious hair-like flowers, of a pinkish-brown color; is not easily forgotten.

Viburnum opulus fl. pl. (the snowball) is, I consider, the only one of this family worth planting here, or at least that is the only variety I have found hardy at present. I have several new varieties under trial and may be able to make a more favorable report in the Spring.

The snowberry (Symphoricarpus racemosus) is so well known that it is needless for me to comment further on it.

The deciduous spiræas are so common that you may not care to hear of them, but I have a few new ones I would like to mention: One great feature in the spiræas is, that they can be arranged in collections to give a succession of bloom all Summer. S. Van Houtteii is one that cannot be easily beaten. S. Anthony Waterer can be kept in bloom all Summer by removing the flower-heads before they go to seed. S. Bumalda is a beautiful pink, a little lighter than S. A. Waterer, but given the same treatment it will be equally as satisfactory. S. Billardi, with its rose-colored bloom, is a beautiful sight. S. callosa alba is a good companion for S. Anthony Waterer. S. prunifolia fl. pl., or bridal wreath, is most desirable. Planted by the side of a clump of the double pink-flowered almond, its wealth of pure white, double, daisy-like flowers form a beautiful contrast, and are the more appreciated as the snow has hardly left the ground and nature is still sere and brown. S. Douglasii, another rose-colored variety, flowers in July and August. It should be planted as a companion to S. salicifolia; the bright rose-colored flowers of the former and the white ones of the latter blend very harmoniously. S. paniculata rosea, growing about 2½ feet high, flowers from July until killed by the frost. I have many more spiræas that are perfectly hardy, such as S. foliis aureis, the golden-leaved spiræa, S. opulifolia, S. atrosanguinea. S. Reevesii; but these, with many other desirable species and varieties of flowering and ornamental shrubs, I must leave until some future date.

Magnolia Stellata.

Though this magnolia is properly stellata, it gained wide popularity under the name of Halliana; indeed, it is to be found catalogued under this name to-day in some lists. It is one of the loveliest of all, valued greatly for its earliness as well as for the excellence of its flowers. There is no other one flowers before it in Spring. Just as soon as frost is out of the ground it is in flower. The branches nearest the ground expand first, being warmer there than higher up. It will be noticed that the top buds are not expanded as are the lower ones. The flowers are pink in the bud, almost white when open, there being but a faint tint of pink then. Then they are semi-double, fringed and fragrant, a combination of good things accorded no other magnolia. When the plant shown in the illustration was young it had been used for layering purposes, otherwise there would have been more branches near the ground than there are; but we are making no apology for it; it's a beauty.

JOSEPH MEEHAN.

QUESTION BOX

Stocks.

(69) K. S.—The stocks are evidently growing too close together and are becoming drawn. The scalding of the foliage has, no doubt, been brought about by sprinkling the plants overhead, on some bright day, while they were dry at the roots. They should outgrow the trouble in a short time.

Hydrocyanic Acid Gas.

(69) How much hydrocyanic acid gas should be used to fumigate two houses 80x35 feet (two at 17½ feet) five feet to sides open as one? Would the gas have to be placed at more than one point to fumigate the houses? Will the gas injure such plants as spiræas, ferns, etc.? GLOVERSVILLE.

—The question from Gloversville, N. Y., asking how much hydrocyanic gas should be used to fumigate two houses 80x35 feet, opening as one, and would the gas have to be placed in more than one place, is at hand. I cannot determine the exact amount of cyanide of potash to use, as the dimensions of the houses are not complete. I would have to know the height of the ridge and the length of the sash bars in order to figure this out. It can be very easily figured, however, and the cyanide of potash may be used at the rate of half an ounce to 100 cubic feet of air space. The gas should be left in the house from 20 to 30 minutes; the foliage should be perfectly dry, and the work should be done after dark.

The writer should send to the Department of Agriculture for a copy of Circular No. 37, describing in full this process; or should consult previous numbers of The Florists' Exchange. A complete account of the methods is also given in Mr. Galloway's book entitled Violet Culture, and Johnson's Fumigating Methods. Jars should be about 25 feet apart for generating the gas.

Both the gas and cyanide of potassium are extremely poisonous and must be used with caution. Violets, ferns, coleus and related foliage plants can all be fumigated. The amount given above is for double violets. In using the gas on foliage plants or ferns, one-third less of the cyanide per 100 feet should be used, and the time of exposure should be reduced to 20 minutes.

A. F. WOODS,
Pathologist and Physiologist.

Construction and Heating.

(70) We intend putting up three new houses each 19x75 feet and would like some information in regard to constructing and heating same. The houses are to be three-quarter span, run east and west and to be connected. We would like to know how much fall the gutter should have and how wide it should be. What size boiler we should use and location, number and size of flows and returns? (We intend using hot water for heating.) We wish to locate the heater at the northwest corner of the houses and if possible, use our large storage tank as an expansion tank. This is near the northwest corner. The north house is to be used for growing roses; the other two for carnations. The ridges of the houses will be eleven feet high and outside wall boarded up about 4½ feet, except the south side of the south house, which will have a line of 18-inch glass just under the wall plate; 16x18 D. S. A. glass will be used. H. & S.

—It will be well to have the gutters about ten inches wide inside and give them a fall of from six to nine inches. The boiler should be one rated for two thousand feet of radiation, or if a steam boiler is used, it should be about 20 horse power. The rose house can be heated with twelve two-inch pipes. It will be well to have at least four of them flow pipes. Ten pipes will be desirable for the carnation houses, although nine would answer in the middle house with some varieties. The large storage tank will answer as an expansion tank, but care must be taken that the pipe leading to it does not freeze. L. R. TAFT.

(71) Kindly advise how to make a coil boiler, size of pipe, etc., for 500 feet of radiation, thermometer 0°, inside temperature 70°, to be used for dwelling. Is coil to be covered with fire? What kind of grate should be used? About how much would such a boiler cost? SUBSCRIBER.

—For 500 square feet of radiation it will be desirable to have about 50 square feet of fire surface. This will take about 75 feet of two-inch pipe in addition to the fittings. The boiler can be made of four coils containing four pipes each. It will be best to make the coils L-shaped to allow for expansion. Set the coil and brick it in the same as a tubular boiler, exposing all parts to the fire. Use a rocking grate about two feet square, and a ten-inch smoke pipe. The cost will be about $75.00.

L. R. TAFT.

VIBURNUM OPULUS.

Photographed Feb. 28, 1903, at Establishment of Endtz, Van Nes & Co., Boskoop, Holland.

See Page 320.

(72) I desire to put in hot-water system in my greenhouses. Having four square feet of grate surface, what should be the dimension of chimney for same? Also, will one two-inch flow pipe feed eight 1¼-inch pipes in house 75 feet long? J. C. F.

—For a grate containing four square feet the chimney should have an area of 100 square inches, or say 8x12 inches, and a height of about 25 feet, although this would be modified by the lay of the land and the height of the surrounding buildings. If two-inch pipe is used for the flow, two will be needed; one 2½-inch pipe would answer.

L. R. TAFT.

(73) Would like to ask a few questions on changing my heating from steam to hot water. The two houses are 125 feet long by 30 feet wide each, glass ends and glass on south side of one house 24 inches deep. Both houses open into one another. I have a three-inch main leading from boiler overhead to extreme end of each house, reducing to 2½ into headers—one coil of 1¼ pipes on both sides, 6 pipes in each, four other coils of four pipes in each two in each house, or three in each, with outside coils. What temperature should that heat to at 15 below zero outside with steam and what temperature will that heat with hot water when changed? I have a three-inch hole in boiler for steam. Will that be large enough to connect a five-inch pipe to for return, or will I have to cut the hole to fit the five-inch pipe? A CANUCK.

—The houses are too long to get satisfactory results with hot water through 1¼-inch returns, and if used at all it should be as a closed system. In that way it might be possible to maintain fifty degrees, but even for that temperature it will be best to run another three-inch flow pipe. The present radiation should give sixty degrees with steam. While it is best to have the openings to the boiler the full size of the flow and return pipes it will answer if five-inch mains are used to connect to the present openings by means of reducers. The present arrangement seems very well adjusted for steam, and should give better results than are likely to be obtained with hot water in such small pipes. L. R. TAFT.

(74) What is the best way to make a water tube boiler for hot water? How many feet in length of two-inch pipe would it take to make a boiler large enough to heat a house 110 feet long and 16 feet wide to a temperature of 50 to 54 degrees at night? Also how large a grate surface would be required? I cannot put the boiler in a pit on account of water near the surface of the ground. Neither can I have a high boiler (not more than two feet from grate) as I have to connect the flow pipes from the new boiler to the flows already in use. If I have a high boiler I shall have to rearrange all my piping, some of which is four-inch cast iron pipe. I don't want to disturb these, if possible to connect a new boiler, without doing so.

METHUEN.

—By allowing eighteen inches between the grate and the bottom of the coils it will be possible to build a boiler with two pipes in each coil that will satisfy the requirements. It will not be as economical in fuel as a boiler with four pipes in each coil. About one hundred feet of two-inch pipe will be desirable for the coil and with two pipes in each coil it will be necessary to use either six coils eight feet long or eight coils six feet in length. The grate should be about 2x2½ feet, and the smoke pipe ten inches in diameter.

L. R. TAFT.

(75) What is the best way to set hot water pipes so as to heat two small greenhouses? One house 14x20 I wish to heat at 50 to 55 degrees and the house 10½x30 to a temperature of 40 to 45 degrees. Temperature outside seldom goes to zero. The highest point above level of cellar is about 11 to 12 feet. The 14x20 house is well protected on north by residence and workroom. The 10½x30 house is fully exposed, but is well built with wall double boarded. I want to use 1½-inch or 2-inch pipes. I wish to place boiler in cellar of residence, as there is a good chimney for the boiler. JOS. HALLE.

—The 14x20 house will need about 100 square feet of radiation, which will take 200 feet of 1½-inch pipe, or 161 feet of 2-inch pipe. It will be best to arrange it in coils around the walls with a 2-inch flow and return pipe for each coil. The other house will need about one-half more radiation.

L. R. TAFT.

(76) Will you please say how and with what material the best way to pack joints of 3-inch pipe (boiler tubes) and cast T's and elbows for use in hot water heating in greenhouse? I have one house in which I have, or am trying to use up, a lot of boiler tubes for this purpose, and am having trouble to keep the joints from leaking. The pipe is plain, no collar on the end like soil pipe or cast pipe, and am using a 4-inch hub with ring inside for the 3-inch pipe to meet against. Y. Z.

—It is difficult to make a joint that will not loosen when there is no collar on the pipes. It helps some if the ends of the pipes are swagged so as to make a slight shoulder to keep the packing from slipping off. Oakum or small rope can be used for packing the joints. Put in enough to fill one-fourth the space in the hub and caulk firmly. Then take Portland cement and mix thoroughly with two parts of sharp sand and moisten slightly. Put in a layer of this, then another of rope or oakum, and finish up with a layer of cement. If the cement is kept moist so that it will not set too quickly it will make a good joint. Iron putty can be used in place of the cement. To prevent the pulling apart of the joints when the pipe cools it should be supported on rollers made from pieces of gas pipe.

L. R. TAFT.

Japanese Notes.

Mr. Foukouba, the director of the Imperial Gardens, states that the Japanese Government has decided to participate at the St. Louis exposition with an important display of Japanese horticulture. Several plans are now under consideration, but the exhibit will likely consist of a Japanese landscape, with some especially selected dwarf trees. Mr. Foukouba will be commissioned to represent the Japanese Government, with probably other gentlemen as assistants. The florists of the United States will meet in Mr. Foukouba a most charming Japanese gentleman, and one who has very profound knowledge of gardening generally.

It may interest some of your nurserymen readers, and forest planters, that the Japanese larch is being introduced in England and on the continent in large quantities. L. Boehmer & Co. alone shipped over 1,000 pounds last year, and but for the failure of the crop would have shipped 1,500 pounds this Winter.

This larix is of quick growth especially in the young state. English plantsmen report that four feet is not uncommon for a year's growth; here the growth even excels that. British planters have resorted to the Japanese larch because the English larch is rather severely affected with a disease which the Japanese variety has, so far, escaped. The tree is one of the hardiest of Japan, growing at an altitude of 3,000 to 5,000 feet in the middle and northern part of Nippon. It has been planted in Hokaido and there also grows well.

Two distinct types are found, one not so high (40 to 50 feet) with rather spreading branches, while the other, growing 80 to 90 feet high has a somewhat more upright growth. T. E.

S. A. F. O. H. Executive Committee Meeting.

En Route to Milwaukee.

The Eastern and Western contingents of the executive committee of the S. A. F. centered in Chicago on Monday and were hospitably received and royally entertained by the brethren of that city. From the East came Messrs. President Burton, Secretary Stewart, George C. Watson and Alex. Wallace. Mr. Tesson came along from St. Louis. The visitors were tendered an informal banquet at the Auditorium Monday night. The tables were beautifully decorated by Mr. Hauswirth, who, by the way, is getting his new store into nice working shape, and will soon have a model shop of its kind. Among the flowers, Mr. Rudd's new carnation Phyllis was very conspicuous. The evening passed with song and story. Every one present contributed to the enjoyment in one form or another. Mr. Rudd was particularly eloquent, and Messrs. Coatesworth and Foley ably supported him. Mr. Hauswirth, always genial and hospitable, made an able plea on behalf of sports at this convention, and predicted the best kind of a bowling contest next August. Other speakers were Messrs. Vaughan, Burton, Stewart, Watson, Benthey, Johnstone, Barker and Kanst. Mr. Tesson told of the St. Louis Exposition, regarding which, he said, there were some doubts as to whether the work would be sufficiently far advanced in 1904 to extend an invitation to the S. A. F. to visit St. Louis, and incidentally take in the exposition next year. Songs were rendered by Messrs. Carter and Wallace, and Mr. Woodruff proved a first-class character impersonator. The affair broke up at an early hour.

In Milwaukee.

The executive committee met here this (Tuesday) morning, March 17. The members were accompanied from Chicago by Messrs. J. C. Vaughan and Phil. Hauswirth.

The craftsmen in the Cream City are making preparations for and expect to have the largest attendance in the history of the S. A. F., and indications point to the fact of their hopes being realized. It is likely that the Exposition Building will be selected as the meeting place, and for the trade exhibit. This is a spacious structure and will provide most ample accommodation for a grand display of the products and accessories of the business in August next. Inquiries for space are already arriving, and large though the building is, there is reason to believe it will be none too big.

This is a great bowling center. The building where the contest in August next will, it is expected, take place, has some 16 alleys, eight on each of two floors; and during convention time it is thought both floors can be secured for the bowling match. This will greatly facilitate the progress of the games, and lessen the time to complete the contest.

On Tuesday evening the members of the executive committee were the guests of the Milwaukee Florists' Club at an informal dinner in the Hotel Pfister, after which the diners adjourned to the alleys, where one game of ten pins was rolled, with the following result:

J. C. Vaughan	105
P. Hauswirth	110
R. Tesson	148
Zwiefel	120
Zepnick	126
Pohl	101
	710
Currie	76
Watson	149
Burton	119
Kennedy	160
Humbert	160
Gregory	107
	771

A. W.

Viburnum Opulus.

The plant of Viburnum opulus shown in the illustration demonstrates that this subject can be forced readily, and would make a very useful Easter plant. The photograph was taken February 28, 1903, seven weeks after it was started into growth. We are indebted to Messrs. Endtz, Van Nes & Co., Boskoop, Holland, for the photograph.

The Summer Flower Garden.

Read by Francis Canning before the Philadelphia Farmers' Institute.

From time immemorial the flower garden has been considered an indispensable adjunct to the home. It has stepped hand in hand with the world's progress and the sentiment of rich and poor alike denotes it as one of the purest of human pleasures.

The beneficial influence of public parks and squares with their landscapes and flower beds, have undoubtedly played an important part in educating the mind to love of flowers and the tender care of them bestowed upon a meagre collection of plants in a yard or window garden, may have first received those pleasing sentiments from these public displays.

Similarly the introduction of cut flowers in the home has an elevating and refining influence, and much has been said of the wonderful effects produced upon the sick and convalescent by the presence of suitable flowers. Therefore the advantage of possessing a flower garden, of whatever dimensions, may be looked upon as an acquisition worthy of our best efforts and apart from our own material benefit, may cast its influence for good in all directions.

In commencing to lay out the garden its dimensions, location and so forth must of course be determined by the extent of the property. As near the home as possible with a well-made walk to reach it, is desirable. A background of trees, or shrubbery, with some old shade overlapping, will add to its enjoyment. Large trees are never desirable when in proximity to the flower borders; in fact, the more open and clear the location where the garden is made, the better the chance for ultimate success. A few choice fruit trees, or evergreens, may not be found objectionable, as in their shade some members of the garden thrive; for instance, foxgloves and lily of the valley. The ground should be thoroughly prepared where beds and borders are to be placed; a liberal quantity of manure should be incorporated.

A preconceived plan is also necessary, and in preparing this, the idea should not be to utilize all space for flowers and walks, but rather a larger space for grass walks and open spaces. More room will, of course, be needed; but the flower garden will be better enjoyed when associated with well-kept grass.

The more formal methods of making the flower garden and a similarity of arrangements have, perhaps, too frequently prevailed, and where a small space is allotted for that purpose it seems a difficult matter to change from long recognized methods. The old-fashioned garden, with box edging and various geometrical designs, does not lend itself so readily to the old-fashioned flowers we desire. Similar designs, with cement walks, fountain, and lily pond, must also be very formal. Sunken gardens, with the accompaniment of garden houses, statuary, fountains and so forth, have also many admirers. Many have seen and read of the magnificent gardens of the old world, which are the products of generations of master minds and unbounded wealth.

It is not the purpose of this paper, however, to dilate upon these examples, but rather to suggest what may be accomplished by the average home and garden lover.

Supposing our intended garden is to have ample borders, grass paths and open spaces. We have also a good walk made from the dwelling, so that the garden may be enjoyed in all weathers. As it enters the garden, wide margins of grass and wide borders of flowers are arranged on each side, and should the walk not pass the garden for any other purpose, it shall end in a rustic Summer house, well planted with vines, or a mound of earth and stones covered with the trailing Wichuraiana roses, or some other interesting object.

The garden may be enclosed by a hemlock or Norway spruce hedge, or if a more rapid-growing enclosure is desired a privet hedge or hurdle fencing planted with roses and quick-growing vines may be used. At each end a rustic arch, planted with clematis or roses, or tall-growing evergreens, may be judiciously employed.

A grass walk may join the hedge, or boundary, making a circuit of the garden, along which may be arranged smaller borders, or beds, allotted to a certain variety of plants; for to get the full value and enjoyment of many important subjects, individual plantings are advisable. For instance, hardy chrysanthemums in variety may occupy one bed, a sowing of Phlox Drummondii around the margin, will flower until Midsummer, when the chrysanthemums will have grown sufficient to occupy the entire space. Another bed may be planted to perennial phloxes of good varieties. Just imagine a mass of colors of Cocquelicot or Epopee! Conflicting colors may be separated by masses of white; Independence and Fiancee are among the best.

A bed, or border, of single dahlias always looks well and is more convenient for cutting; as also do sweet peas. A bed of Anemone japonica, and its several varieties, will well repay when the October days come. Peonies, roses, especially such good continuous flowering varieties as Maman Cochet, Gruss an Teplitz, etc.

The long borders may be used for a mixed collection and to display the best general effects. Taste in arrangement will be an important consideration, and whatever is planted should be in sufficient quantity to assert itself. Good wide borders as they are, we have clumps and masses of many perennials and selected so as to have some variety in flower at all seasons, perhaps, planting with the object of having more in the Spring and Autumn, being seasons when the garden may be more comfortably enjoyed. The front of these borders is planted with tender annuals, or plants that are raised from seed and cuttings each year; not planted in rows, however, but masses of each variety.

Suppose we analyze these borders and discover the materials of which they are composed. Placed well back at intervals throughout the entire length, we have clumps of such subjects as boltonias, asters, Rudbeckia Golden Glow, Helianthus rigidus, Maximilianus, and some others, heleniums, hollyhocks, etc. A little forward of these an occasional plant of cassia, mallow or peony, interspersed with clumps of dwarfer perennials such as liatris, Pyrethrum uliginosum, especially perennial phloxes such as Wm. Robinson and Independence, rudbeckias in variety, Helianthus multiflorus, Stokesia cyanea, Dielytra spectabilis, physostegia, monardas, digitalis, irises, aquilegias and many other perennials of similar height, adding also an occasional clump of cannas and scarlet sage.

We have reserved the front for annuals and dwarf perennials, a mass of vinca or Madagascar periwinkle to be followed by verbenas, then torenias, then petunias. A few bold masses of salpiglossis, lantanas, stocks, sweet williams, ageratum and an occasional clump of grasses such as pennisetum, gardener's garter, or Job's tears, dwarf nasturtiums, snapdragons, gaillardias, etc., and many favorites will readily suggest themselves. Nearly all these annual subjects named last throughout the season, among such as do not, we plant gladioli, montbretias, etc., so that vacancies rarely occur.

Such a garden may become almost a perennial delight by planting bulbs in the Autumn, with pansies, English daisies, forget-me-nots, hardy primroses, and wallflowers added in the Spring.

This may appear a formidable list when economy in such expenditures has first to be considered, but a great deal can be accomplished when only a small greenhouse, or even hot beds, are available, providing, of course, genuine interest is not lacking. For instance, all the plants named for Spring planting, namely, pansies, daisies, forget-me-nots, primroses and wallflowers, should be sown in August or September. In October they are separated and placed about four inches apart in a cold frame and may be protected only by shutters during the Winter. If advantage is taken of good weather, to air and tend them, nothing will so well repay the effort.

As regards the Summer bedding plants, the hot-bed will do nicely to raise most of them; it should be made early in March. Special efforts should be directed to have the salpiglossis, and where a greenhouse is available the plant is more readily handled, but the fact of it being rather tedious should not debar its use.

Another annual which is always satisfactory is the helichrysum, or everlasting daisy. With several other everlasting flowers this, with drying, makes pretty bunches to last all Winter in the house.

Newer introductions, or reintroductions of older varieties of annuals with more or less merit are frequently catalogued by the seedsmen. Last year we tried several, among which may be named antirrhinum Sunlight, the foliage of which was quite yellow, but when it commenced flowering it gradually turned green and did not appear to be as good as existing varieties. Arctotis grandis, a single composite flower, some two inches in diameter and lavender in color, bloomed freely during the early part of the season, but became entirely too straggly. The flowers closed in the evening, otherwise it is a good cut flower. Of petunia, Howard's Star, a good percentage came true, extremely free flowered, and looked well in the borders, but not of such size and substance as blooms of the fringed varieties. Celosia spicata argentea linearis is one of the spiked cockscombs with a whitish flower spike tipped with pink, and, when true, is a good subject for the borders and for cutting. Dahlia Colarette only resulted in a poor mixture of single and semi-double varieties.

Gaillardia James Kelway is a good form of Gaillardia grandiflora and well worth growing. The following are perennials: Shasta daisy was a disappointment, but we have sufficient faith in its introducer, Luther Burbank, to believe it will eventually become an acquisition. Thalictrum aqueligifolium is a feathery and graceful border plant. Primula veris superba is a good form of the English primrose.

All this may be looked upon as the flowering side of the Summer flower garden. Constant interest and attention and lots of work are necessary, however, throughout the season. There is the grass to mow, weeding and edging the borders and walks, neatly staking plants and removing dead and past flowers. Constant vigilance is required also to counteract the depredations of various insects, such as red spider on the perennial phloxes, the antidote for which is kerosene emulsion. The voracious blister beetle destroys the flowers of China asters and eats whole plants of Anemone japonica. Hand picking and dusting with slag phosphate, or Dunnite, seem to be the only remedies for these ironclad fellows. The former insecticide is cheap and it is besides a valuable fertilizer. I have found, also, that it scares away the aster beetles effectively. They will not come near the plants where the phosphate has been freely dusted over the plants. Lots of people have almost given up growing asters on account of the beetle, and I am very pleased to suggest this cheap and effective remedy. I recommend applying it when the plants are dry, not because the phosphate will injure wet plants, but because it might be unsightly. These and many other insect enemies, together with blights and bad weather, make up what might be the trials of the virtuous gardener, but we have to bear them with philosophy, and, on the whole, they are but the shadow by which we are enabled to realize the beauty of the other side of the picture.

LOSSES BY FIRE.

GOSHEN, IND.—The greenhouse of John Berkey, with its contents, was destroyed by fire, Friday, February 20. No insurance.

HAVERHILL, MASS.—Fire in the greenhouse of F. W. Abrams, Proctor street, March 14, did $755 damage before it was under control.

ST. JOHN, N. S.—On March 7 fire did considerable damage to the greenhouses of Mrs. W. H. Jones, Tarryburn. One house and its contents were completely destroyed; two sheds were also burned.

Review of the Market

NEW YORK. At the beginning of the week it looked as though the cut flower trade had thrown off its tired feeling, and was about to assume its normal condition. It turned out, however, that a little extra funeral work was being done; the spurt was only of one day's duration, and Lenten conditions are still prevailing.

Violets are coming in very plentifully. Never before were they so numerous and, while the stores use up a fair quantity every day, vast quantities have to be sold in thousand lots to the speculators. The prices obtained on such job lots help materially to pull down the average values.

Roses cannot be said to be very abundant, at least the better grades are not, and it has been possible to obtain a slight advance on the special Bridesmaid. American Beauty have remained firm also. It is a noticeable fact that in grades of Bride and Bridesmaid, known as Nos. 1 and 2, the first mentioned are much the hardest to make a good average on. Buyers seem to want either a long-stemmed rose or a short-stemmed one, and the grade of the medium length is becoming a difficult proposition to handle.

Carnations are not bringing any fancy prices these days. There seems to be too much of the finer-grown stock around, for what demand there is, and this is offered cheap enough, so that ordinary grades do not have much of a show.

The home-grown stock of narcissus is having to compete with flowers that are coming in from the South, and as these are being offered at 50c. per 100 down to 25c., it is difficult to realize more than 50c. to 75c. on the home product. Tulips are doing slightly better, but mignonette, marguerites, sweet peas and freesias are all clearing out very unsatisfactorily..

The best lilies are bringing about 8c. each, and 12½c. is mentioned as the Easter price, though we think they will go higher than that, especially those delivered on the plants.

Cattleyas are not quite so plentiful, though there is an abundance of dendrobium on the market, which does not, however, move out very well.

Smilax is in fair demand and there is an advance in price noted. Asparagus and adiantum fern are in constant supply, with no change in values.

CHICAGO.—There has been no marked change in the market since last report, but a little stiffening in all lines is noticeable. American Beauty of the fancy grades are coming in in larger supplies than before, and the market has increased somewhat, as a readier sale is found for them than last week. Bride and Bridesmaid are about the same, with the exception that the color of the latter is not so good, due to the cloudy weather we have experienced for the past week. All the other kinds are about the same as at last writing.

Carnations do not seem to be so plentiful as they were and the values are a trifle higher. As yet there seems to be a dearth of whites, or it may be that there is more call for them than for any of the colored ones; as a consequence, it is rather hard to pick up any great quantities after the regular morning sales.

Of bulbous stock there seems to be enough of all kinds to supply the demand at the present time, though with some growers there may be a shortening up of the cut for a few days, with the exception of lilies, which seem to have materially increased in the past week, with the price fairly well maintained.

Violets are about the same as at last report, and greens are still a short factor, especially smilax. R. J.

ST. LOUIS.—The past week at the wholesale houses the market was very lively. There seemed to be plenty of stock, but the demand was so great that one would think stock of all kinds was scarce; the street men are using up piles of violets, which are very plentiful.

The weather is now quite mild. With lots of sunshine to gladden the hearts of the growers of Easter stock, who are now preparing for the rush, all bulbous stock is scarce, which heretofore has always been a drug on the market at this time of the year. Harrisii lilies are especially scarce with more callas than demand. Valley, which has been very druggy of late is moving better.

All roses coming in are cleaned up every day. The flowers are of good quality. From $6.00 to $8.00 per 100 for the best is the price for Bride, Bridesmaid, Meteor and Golden Gate. Perle is quoted at $4.00 and $5.00. Extra long American Beauty sell at $4.00 per dozen.

Carnations are sold out each day at from $3.00 to $5.00 per 100; the latter price is for fancies. Some very fine stock is coming in from the J. D. Thompson Carnation Co., St. Louis Carnation Co., and W. J. & M. S. Vesey. Henry Baer, Peoria, Ill., is also among our best shippers of carnations.

Violets are selling in thousand lots at $3.50. All are California, which is the only kind found in this market at present.

Bronze galax leaves are having a big demand. The retail florists about town report a big lot of funeral work the past week. ST. PATRICK.

BOSTON.—An entire overturn in the condition of the market has resulted this week, and roses which were very plentiful a week ago have shortened up considerably, and are now eagerly sought for; while all kinds of carnations are druggy. Bride and Bridesmaid especially are selling very well at prices ranging from $12.00 per 100 down to $2.00. Beauty and red roses do not move so fast, though there is an improvement in the demand for them over that of last week. Prices, however, do not vary perceptibly.

Carnations have become even more druggy, and it is impossible to dispose of the daily receipts at any fair value. Very good stock is freely offered at $1.50 to $2.00 per 100, the finest grade of ordinary sorts making $2.50, while novelties and fancies go to $3.00 and $4.00. The ordinary and inferior stock is cleaned out at exceedingly low figures.

The bulb market shows little or no improvement. Von Sions, Trumpets and Princeps are freely offered at $1.25 to $1.50 per 100, and Empress, Emperor, Golden Spur, Horsfieldii and the choicer varieties make from $2.00 to $3.00 per 100. Tulips range from $1.50 to $2.50 per 100 for singles, and up to $3.00 for double varieties. Dutch hyacinths are in fair supply at $3.00 to $4.00 per 100. N. poeticus, at $1.00 to $1.50 per 100, does pretty well. Valley is going slow at $2.00 to $3.00 per 100. Lilies have now become very plentiful and are selling only fairly well at $8.00 per 100, a few going to $10.00.

Mignonette is plentiful at $2.00 to $4.00, and pansies, sweet peas, primroses, wallflowers, myosotis, etc., in small bunches sell well. Violets continue too numerous at about the same values as last quoted. F. J. N.

PROVIDENCE, R. I.—Things may be summed up in a few words—good general business. True, the growers have to work a little harder in disposing of their stock, but everything goes at a fair price and, consequently, there is no appreciable glut.

Pinks are $1.50 to $3.00; roses plentiful at your own price, say 6c.; white tulips at $20.00 per 1000 are a sale; other tulips and daffodils depend upon the needs of the buyer to bring a fair price, but most of them are hard to move. Greens are very scarce; even fancy and dagger ferns have jumped in price to $2.00 per 1000. Smilax and good adiantum are difficult to obtain locally, and are imported. Galax leaves are all right, and help out wonderfully at $1.50 per 1000. Asparagus plumosus is not in the market generally as yet.

Budlong anticipates growing a hundred thousand carnation plants during the season of 1903-4, and will try to make the New York market gain a lap in importance. C. S. MACNAIR.

CINCINNATI, O.—Business is first-class, and stock of all kinds short of demand. Carnations are quite scarce. Roses are not equal to the demand; consequently, prices remain firm—quotations about the same as last week. Dark and rainy weather is the prime cause of flowers being scarce, and so far Lent has had no effect on the market. Violets are about done around here. The growers in this section are busy getting their stock in shape for Easter.

E. G. GILLETT.

PITTSBURG.—Trade conditions have not changed much since last week, but stock is coming in more freely and is of better quality. The fine Spring-like weather is the cause of this. It is really exceptional weather for the beginning of March, and as some cold is yet to come much harm may be done to vegetation. Roses are selling from $3.00 per 100 up; American Beauty, fine long stemmed, about $25.00 per 100; carnations from $1.50 upward; bulb stock from 3c. to 4c. each; violets sell at all prices. A few gardenias are in the market, although there is not much demand for this old-time favorite. Calla lilies are almost as plentiful as Harrisii and far cheaper. Smilax is usually a little scarce at this time of the year. The fine weather has stimulated the plant trade and there is a plentiful supply to be seen in the markets and stores; blooming plants are selling quite well.

DETROIT, MICH.—Stock is appearing heavier all along the line, and all stuff is up to the standard. Mild weather has helped things along, but more sunshine will make a marked difference. Conditions are much improved from last week's writing; although prices have dropped on roses everything else is holding its own well.

Beauty is in good shape, and next to the Bride is holding its own at moderate prices. Maids, Gate, Meteor and Pearl are slower to sell and lower in price. In carnations there is still a very marked scarcity; demand is way above the production. Violets continue to be plentiful and at lower prices; some very fine white antirrhinum is coming in and sells well at 8c. to 10c.; smilax is quite scarce, as it is universally. Bulbous stock in plenty as well as all other greens. DILGER.

INDIANAPOLIS.—Exceptionally unseasonable weather has brought on all kinds of flowers by the thousands, and it alarms the florist to see such a quantity of stock so far in advance of Easter. Fortunately there has been quite a bit of funeral work but even that does not save a great deal of bulbous stock from going to waste.

All kinds of roses are very plentiful and prices have declined sharply. Good Maids and Bride sell at [illegible] to 6c.; seconds, 2c. to 3c. Liberty are plentiful at 8c. to 10c. Meteor are poor, and few of them are handled on this market. Beauty range in price from 3c. for shorts to 25c. for the best; there has been little demand for the longer-stemmed Beauty. The prevailing retail price for roses is from $1.00 to $2.00 per dozen.

The best carnations can be bought for $3.00 per 100, good grades are to be had at $2.00 to $2.50 per 100; 60c. to 75c. per dozen is obtained for them in the retail stores.

Ordinary tulips, daffodils, valleys and Romans sell at 60c. per dozen; Murillo tulips are plentiful and sell well at $1.00 per dozen. Sweet peas bring 75c. per 100 wholesale; mignonette, $3.00 per 100 sprays; forget-me-not, $2.00 per 100 sprays; freesias, $2.00 per 100. I. B.

LOUISVILLE, KY.—We are now experiencing Summer weather and, consequently, all bulbous stock is coming in most plentifully. This week the retailers report business a little quiet and show a surplus of stock. Retail prices asked per dozen: Roses, $1.00 to $2.00; American Beauty, $2.00 to $6.00; carnations, 50c. to $1.00; Dutch hyacinth, $1.00 to $1.50; Romans and Narcissus, 50c.; lily of the valley, 50c. to $1.00; Harrisii, $2.50 to $3.00; callas, $2.00 to $3.00; tulips, 50c. to $1.00; jonquils, 25c. to 50c.; violets, 50c. to $1.00 per 100. The demand for blooming plants has been very good; some of the prices received are quoted: Hyacinths, tulips, jonquils and freesias, in pots and pans, from 25c. to $1.50 each; azaleas, 75c. to $5.00; rhododendrons, $1.50 to $5.00; spiræa, 35c. to 75c.; callas, 50c. to $1.50. Harrisii are sold at about the same price as the cut blooms would bring. A. R. B.

Kudzu Vine.

Quite a number of persons have asked me at times about the Kudzu vine, having read or heard of its marvelous growth. This vine is one which many catalogues have listed under the name of Dolichos japonicus and, later ones, Pueraria Thunbergiana. Its rapid growth is truly marvelous, in strong plants and in the height of its season being a foot a day. In foliage it is not unlike that of the Lima bean; the flowers are borne in small panicles and are rose-colored. To any one having a ground space to cover, or an old tree for its support, or any other place where lots of room is to spare, this is the vine to plant. When young it dies to the ground every Winter with us in Philadelphia, but as it gets age it maintains live shoots above ground. But whether alive above ground or only below it makes little difference; the strength is in the roots, and hardly any one will complain of too little growth through the season.

Though this vine may have been in the country before the Centennial Exposition in 1876, but little seemed known of it before its appearance in the Japanese collection at that time.

It is easily increased by layering, and no doubt would strike from green cuttings as well.

Beautifying Ugly Corners.

There are many shady corners on a florist's place that could be made beauty spots by the judicious planting of hardy ferns, doing much to make his establishment attractive to customers, and in this way bringing him custom from many to fix up similar places on their own grounds. Hardly a city yard but has a place for ferns, and, as to cats destroying the plants, there are many persons to-day who protect their small gardens and plants from predatory animals, and at small cost, by the use of wire netting.

The fine hair-like roots of the greater number of ferns bespeak for them an open soil. Decayed leaves, loam, sand and peat make a good mixture, though, aside from a heavy one, I have found ferns do well in most any kind.

In the selection of ferns, the stronger growers are the best for the purpose; and do not overlook a good sprinkling of the evergreen species, as these cheer one by their green until the snows of Winter cover them, and it is often possible to get a green frond or two from them in Winter for a background to flowers. The best of the hardy evergreen ferns are found among the aspidiums. Such species as acrostichoides, spinulosum, Goldianum, cristatum and marginale are some of them. Then there are a few aspleniums, notably ebeneum, Trichomanes and angustifolium; and the hart's tongue, scolopendrium, should have a place. These and some of the strong growers to be found among the osmundas, Woodwardias and onocleas not forgetting other deciduous kinds, offer a variety large enough to make a grand display.

I have often tried the walking fern in my collection, but sooner or later insects destroy it. It may be that when in their wild homes insects are kept in check by their enemies, the birds, the help of which we cannot secure near our dwellings.

JOSEPH MEEHAN.

Root Pruning Trees for Removal.

It often comes to the florist, as it does to the nurseryman, to have calls for the removal of large trees, so large that doubts arise as to the safety of the trees under the work. It is not nearly appreciated as it should be, that safety can be almost assured by root pruning the trees a season in advance. It has been so often practised by a few, and so successfully, that there is no manner of doubt as to its utility. A circular trench must be dug around such trees to a depth that will be sure to meet with the large roots. These roots are to be severed, or the greater number of them, and then the soil refilled in the trenches. From these cut roots numerous small ones will issue, rendering the transplanting tolerably safe later on. With a few straggling roots, transplanting is not easy; with a cluster of small ones it is less trouble. As to the distance from the trunk to locate the trench, a tree ten feet high should have the roots severed at about three feet. Native hollies and trees and shrubs usually hard to transplant are made almost sure cases by this system of root pruning.

The cutting of the roots may be done either in Fall or Spring, and then the removal made after another growing season has elapsed. It is better to let two seasons of fresh root growth pass by before removal, as a great mass of roots will be present then. If decided beforehand that two seasons shall elapse, almost every large root may be cut off, but if but one season is to pass, then do not cut off every one of the large roots, only about three-fourths of them.

Anyone having a large tree to transplant would be pleased with the result of root pruning.

Suffolk County Horticultural Association

At the regular monthly meeting last week it was decided to hold a show at Pavilion Hall, East Islip, N. Y., June 23, and to hold the second annual exhibition October 28 and 29, at Bay Shore, N. Y.

An interesting essay on chrysanthemums and their culture was read by Mr. Stewart, for which he was tendered a hearty vote of thanks.

The next meeting will be held April 7, at Mechanics' Hall, Islip.

Send Your Advertisement

for the SPECIAL SPRING TRADE EDITION to reach us not later than 5 p. m. Wednesday, March 25 :: :: :: ::

THE FLORISTS' EXCHANGE
2 Duane St., New York

List of American Varieties of Vegetables for 1901 and 1902.

Last week we referred briefly to the issuance by the Bureau of Plant Industry, United States Department of Agriculture, of a list of American varieties of vegetables for the years 1901 and 1902. Such a list should be found of greatest service to catalogue men and seed buyers alike.

The full scope of the publication may be gleaned from the author's (W. W. Tracy, Jr.) introduction, which, in part, is as follows:

"This list is intended as an index or catalogue to serve the purposes of seedsmen and experimenters, and aims to supply information which can not be readily found in seedsmen's catalogues. For those who wish to obtain a certain variety the names are given of all seedsmen in the United States and Canada who catalogue that variety; for those who inquire for synonymous varieties there will in many cases be found synonyms given with the names of the seedsmen who cite them as such; while for those who look for a shortening and simplifying of our already long and complex list of names there will be found here a foundation upon which such work can be carried on.

"Variety names of vegetables in this country are being greatly multiplied every year by the renaming of old varieties. This practice, as well as the giving to new varieties names similar to names already used, has made the nomenclature of the whole very complex and misleading. The 320 names of lettuce entered in the list, for example, could be reduced to less than 90 distinct varieties, and the similarity of many of the names and the distinctions which must be borne in mind to separate the varieties make the whole subject very bewildering. To illustrate, the Favorite, Rudolph's Favorite, Sutton's Favorite, Florida Favorite and Gardeners' Favorite varieties of lettuce refer to types very different from one another, while Early Dutch Butter, Dutch Speckled Butter, Hornberger's Dutch Butter, Philadelphia Dutch Butter and Philadelphia Butter all refer, except the last, to the same variety. Besides this, there are often several different types of the same variety recognized by different seedsmen, as is well illustrated by the case of the Philadelphia Butter and Silver Ball varieties.

"Besides being useful for reference, this list, it is hoped, will bring about some desirable changes, of which the first to be mentioned is the adoption of a single name for all identical varieties. There are, however, some difficulties in the way which should be well understood before such work is undertaken. Where the names are similar the varieties are generally identical, but, as already pointed out, there are, altogether, a large number of cases where they are not so; besides this there are often recognized by different seedsmen several widely different types under the same variety name. Then also certain words which might be dropped from most names must be retained in others, as for example, 'extra' and 'early,' which may be dropped from the variety of bean known as Extra Early Red Valentine, but must be retained in the Extra Early Refugee variety to separate it from the distinct variety commonly known as Refugee. For these reasons very few inflexible rules for shortening and simplifying our variety names can be laid down. It will require extensive field tests to determine all of our synonymous varieties, but it is hoped that this list, perfected by successive additions and corrections, will bring about a better understanding of varieties, especially as regards synonyms, and finally establish a body of distinct varieties, eliminating many synonyms which now claim the attention of the trade and public as representing distinct varieties.

"Another improvement which this list should bring about is the prevention of the duplication of old names or the giving to new varieties names which closely resemble some old name. Introducers of new varieties have sometimes given names to their introductions exactly duplicating names already applied to other varieties or if not duplicating them very much resembling them, not knowing of course that such names existed. By referring to this list introducers will hereafter have a means of preventing the confusion arising from this source.

"In preparing this list the following words and phrases have been omitted from the variety name as being unnecessary and multiplying names which mark no real varietal difference: Improved, extra, perfected, pedigree, select, extra select, choice, extra choice, superior, celebrated, fine, famous, our own, true, new, the, and the names of persons. Exceptions have been made and some of the above words retained where they are supposed or claimed to indicate a real difference in type or where the dropping of such a word would be confusing and misleading because the variety is generally and familiarly known only by the full name as in case of Horsford's Market Garden and Nott's Excelsior peas. The words giant, mammoth, large, early and extra early have in every case been retained, because, though not usually indicating a difference in type, there are many cases where they do indicate such a difference. There is, perhaps, more reason for retaining the words 'improved' and 'perfected' and the names of persons than the other words mentioned as omitted, and for this reason they have been allowed to stand in the groups of similar names, though, as already stated, they have been omitted from the alphabetical arrangement.

"Occasionally some of the above descriptions mark real superiority of stock, especially as regards purity and vigor, due perhaps to careful 'rogueing' or to climatic, soil or cultural conditions. It would be much better, however, if such superiority were left to be known by the reputation of the seed house rather than advertised by the addition of the seedsman's name or adjectives to the simple variety name, a practice which has been so much abused that these additions have little or no significance.

"Besides the above reductions in the regular catalogue names other changes have been made, as follows: When the words 'earliest' and 'early' are applied by different seedsmen to the same variety, not marking any difference in type, as in Early Sheffield and Earliest Sheffield, that one of the two forms has been taken up which has been most generally adopted by seedsmen. Incomplete variety names like Plum and Cherry have been changed to more exact names, as Yellow Plum, Red Plum, Yellow Cherry and Red Cherry, wherever it has been possible from the descriptions given in the catalogue to determine which kind is referred to.

"In beans the name Lazy Wives of some seedsmen has been changed to the more generally recognized Lazy Wife, and Marrowfat whenever used is changed to Marrow. In beets the words 'blood' and 'turnip' not being used with any regularity by seedsmen, even with reference to the same variety, have been dropped from names whenever possible, and retained only when they serve to distinguish different though similar-named varieties, as Bastian's Half Long Blood and Bastian's Blood Turnip, or where the dropping of them would make the name misunderstood or incomplete, as in Early Blood Turnip. In cabbages 'headed' and 'heading' have been dropped from all names and Holland changed to the more generally accepted name Hollander. In cauliflower Late Algerian has been changed to the more generally accepted name Late Algiers. In lettuce Early Stone, Golden Stone and Spotted Dutch Butter were changed to the more generally accepted names Early Stonehead, Golden Stonehead and Speckled Dutch Butter, and the words 'white-seeded' and 'black-seeded' retained only when necessary. In muskmelons the words 'cantaloupe,' 'citron' and 'nutmeg,' not being used with any regularity for the varieties to which they are applied by some seedsmen, have been dropped from variety names, excepting where it has been necessary to retain them to make a name complete. In onions 'long-keeping' has been dropped from all names. In peas 'marrow' has been changed to 'marrowfat.' In peppers 'thornless,' which botanically speaking is an incorrect term to apply to peppers, has been changed to 'spineless,' which is the word used by most seedsmen. In squashes the word 'golden' as used in Golden Summer Crookneck, Mammoth Golden Summer Crookneck, Giant Golden Summer Crookneck and Early Golden Summer Crookneck, has been changed to the more generally adopted word 'yellow.' In tomatoes One Hundred Day and Advancer have been changed to the more generally adopted names Hundred Day and Advance."

PHYSOSTEGIA VIRGINICA.

Physostegia Virginica, Dragon Head or Lion's Heart.

This is an American plant and by no means a new one; yet it is a flower so unique in its make-up that it stands apart from all others and alone. Without exception it is the most valuable hardy herbaceous plant producing pink flowers. For massing, planting in association with other appropriate varieties in the border, for planting with shrubbery or for cut-bloom, it is unrivalled. In value it is not equalled by the popular Rudbeckia Golden Glow; and as it possesses a constitution just as rugged, is equally prolific and far more beautiful, it is destined to exceed in popular favor that grand and beautiful hardy perennial plant.

Too much can scarcely be said in its favor. Its large, graceful spikes of tender shell-pink flowers are produced in greatest profusion from about the middle of June, and (if kept cut, so as not to produce seed), it continues to flower in a perfect mass of bloom until frost. The flowers themselves are intensely interesting and attractive (see illustration of a spray, reduced one-half), resembling large heather, or small orchids, and in addition to their pleasing color they are daintily spotted inside with crimson.

The spikes of flowers are never so compact as to appear formal, although the blooms are very numerous and lasting. The stems are long, square, thick, rigid and strong; holding the flowers in a dignified and stately manner when upon the plant, and when cut. The plants form large, dense clumps, three or four feet high, and require no petting, succeeding in all kinds of soil and in all situations. Foliage smooth, dark green; set opposite on the stem and closely sessile; three to six inches long (the lower leaves often being very large) and indistinctly toothed. It is, indeed, a queen among hardy flowering plants.

Physostegia virginica alba is a variety of the above with pure white flowers. In all other respects it is identical with the type.

J. T. LOVETT.

Little Silver, N. J.

Providence, R. I.

The Florists' Club engaged Professor Card, of Kingston, to lecture at the March meeting and, as a result, the members voted to frame a petition to the Legislature asking for State greenhouses to be used as an experimental station. It is doubtful if the bill will be passed at the present session. The idea has caused favorable comment among the florists, although such an experimental station would primarily benefit the farmer more than the florist.

Mr. Chappell requested information concerning the presence and effect of sewer and illuminating gases escaping into his greenhouses.

Mr. John Macrae presided. He invited the club to visit his plant the following Wednesday.

David Phillips has associated himself with Foster Greenhouses this season. He lost his own greenhouse crop through the coal famine.

It is difficult to figure on the Easter crop of violets, but it is safe to say all good singles will be gone.

The downtown trade should remember that the Albee Stock Co. opens its Summer season the day after Easter. This will cause a heavy call for flowers, especially violets, if there be any remaining at that time.

C. S. MACNAIR.

Poughkeepsie.

The School of Practical Agriculture and Horticulture, of which George T. Powell is manager, is now located near this city, having entirely outgrown the old quarters at Briarcliff.

Boston.

Among the Growers.

Early this week we visited the houses of William W. Edgar at Waverly, E. N. Pierce & Sons and Anderson & Williams at Waltham, where Easter stock is grown so extensively.

At Edgar's, as usual, everything is looking first-class. Lilies are a fine sturdy-looking lot of short stocky plants, with fine foliage and well set with buds. In all 5,400 were grown and there will probably be 5,000 good ones, showing a very small loss from disease. A fine lot of American Beauty and Ulrich Brunner roses in 6½-inch pots are grown. The former make a surprisingly good-shaped plant and will all be in on time. A few Brunners, which are not figured on for Easter, will come along later, but many of them will be in good shape. The American Beauty are a novelty at this time and should prove ready sellers.

There are 400 hydrangeas grown, including many specimen plants bearing twenty to twenty-five head of flowers; all the others will average twelve t fifteen heads. About five hundred azaleas in various sizes and colors, wel set in bud, are being brought along Also as fine a lot of acacias as it ha been our pleasure to see for some time A few fine retinosporas and an interesting collection of old wistarias i white and purple, are proving popular as witnessed by the number alread bearing "sold" tags.

At Pierce's about 75,000 lily bulbs wer started this year, but they were not s fortunate in getting the healthy bulbs as large lots of diseased stock will testify. Especially unsatisfactory wer the "multiflora" variety (black stemmed kind), as nearly the entir batch went bad. They will get a fin batch in, however; but, as Mr. Pierc says, it "takes the fun out of it" whe you have to throw away such a larg proportion. A fine house of Brunne in boxes for cutting is coming alon well. The carnation houses are lookin good, especially the Mrs. Lawson an G. H. Crane houses, which have bee most successful all Winter.

At Anderson & Williams' a handsom lot of Crimson Rambler is to be see They are fine stocky and well-shape plants, and of salable sizes, not onl for the grower, but for the retailer a well. The houses of Bride and Bridesmaid present their usual clean, health well-groomed appearance.

Carnation Exhibition at the Flower Mark

The eighth annual exhibition o the Boston Co-operative Flower Growers' Association, held Saturday last a the Market, was grand, surpassing an of the successes of former years, bot in the number of exhibits and in th quality of flowers shown. This exhibition is becoming a purely local affai and this year the great majority of th exhibits were staged by local grower Only a very few came from any distance.

Peter Fisher, of Ellis, had thre grand vases, one each of Enchantres Mrs. M. A. Patten and Nelson Fishe on the front counter, banked on eithe side by vases of The Queen from th Little South Floral Company, of Sout Natick, all of which were of excellen quality.

M. A. Patten, of Tewksbury, sent i a fine collection, comprising vases o Gov. Wolcott, Jos. H. Manley, of excellent size and color, and Gaiety of ver good quality. Gov. Wolcott seemed t be the popular white, as of the fiv vases for competition four were of tha variety. H. A. Stevens, Paul E. Richwagen, of Needham, and Geo. H. Bea also showed it. Mr. Bean staged a vas of Boston Market.

Geo. H. Bean's display containe some well-grown stock of the followin varieties: G. H. Crane for scarlet, Th Marquis, Floriana and Morning Glor for light pink, Mrs. Thomas W. Lawso for dark pink and Harry Fenn for crimson.

Among the scarlets shown beside those already mentioned, were S. J Goddard's bunch of G. H. Crane, C. F Dickerman's vase of the same variet and Albert Batley's J. H. Manley.

For light pink varieties, Albert Roper's Fair Maids were very fine, and J D. Twombly's The Marquis showe up well. With Mr. Bean's three varieties named above this made up the display for that color.

For dark pink, Mrs. Lawson wa shown by three of the four exhibitors

L. E. Small, of Tewksbury; G. H. Bean, and the Reading Greenhouses. C. E. Dickerman, of Dorchester, staged Cressbrook.

In crimson, there were two vases each of Governor Roosevelt and Harry Fenn. The former were staged by Paul E. Richwagen and C. E. Dickerman, while C. W. Ward and G. H. Bean showed Harry Fenn.

There were only two varieties shown n the class for yellow variegated, Eldorado by Backer & Co. and Dorothy Whitney by Patten & Co. Patten & Co.'s vase of Gaiety was the only one shown in the white variegated class.

The seedling table was a very interesting one, containig many promising sorts, though the committee decided hat only four were worthy of the certificate. C. W. Ward's Alpine Glow, a medium-sized flower with very delicate ight pink coloring, but good strong stem; Mrs. Theodore Roosevelt, a dark pink, which looks like an improvement over Mrs. Lawson and closely resembling Nelson Fisher; and Sensation, an odd-colored one being an orange variegated color, were all certificated, as was L. E. Marquisee's Albatross. Mr. Marquisee's Sunbird, a yellow variegated, arrived in rather poor condition.

Among others worthy of note were he following: Albert Roper's No. 1, a white variegated variety of good size and fine stem; No. 305, also white inged with pink, medium-size flower; both varieties are very fragrant. E. Sheppard, a brilliant scarlet, possessing considerable fragrance. Dailledouze Bros.'s white Bradt and Fragrance made favorable impressions.

S. J. Goddard's No. 3, a yellow variegated variety striped red, of good size and stem, and his Queen showed up very well. Marion Buxton, a pleasing ight pink variety, which had both stem and size, sent by Geo. E. Buxton, of Nashua, N. H., was admired by all. Geo. O. Buckham's Octavia, a very fragrant pink variegated variety; A. E. Corell's Ruby, and Deny Zirngiebel's wo light-pink ones, unnamed, make up he list of seedlings.

The violet display brought out some ine flowers and gave the judges considerable difficulty to determine the prize winners, especially for single violets, in which class there was practically no choice between the bunches of Princess of Wales, as staged by Geo. W. Ayer, and William Sim, to whom irst and second prizes were finally awarded in the order named. For doubles, H. F. Calder won first with Lady Hume Campbell; J. S. Smiley ook second. Among other exhibitors were: N. F. Comley, Oak Hill Greenhouses, North Chelmsford; H. A. Stevens and W. J. Dana.

William H. Elliott staged two fine vases of American Beauty roses; E. N. Pierce & Sons a fine vase of lilies; Wm. Sim some exceptionally fine Blanche Ferry sweet peas; J. Clark a bunch of Paris Golden wallflowers. H. N. Eaton made a neat display of lilies and geraniums in pots. Lucius H. Foster showed a few plants of the Anna Foster fern.

The Judge's Report.

Best vase of carnations in the exhibition—Peter Fisher, with Enchantress; second, Peter Fisher, with Mrs. M. A. Patten.

Fifty white—Patten & Co., with Gov. Wolcott; second, H. A. Stevens, same.

Fifty scarlet—Patten & Co., with J. H. Manley; second, S. J. Goddard, with G. H. Crane.

Fifty light pink—Albert Roper, with Fair Maid; second, J. D. Twombly, with Marquis.

Fifty dark pink—L. E. Small, with Mrs. T. W. Lawson; second, Geo. H. Bean, same.

Fifty crimson—Paul E. Richwagen, with Gov. Roosevelt; second, C. W. Ward, with Harry Fenn.

Fifty variegated—Patten & Co., with Gaiety; no second.

Fifty yellow—Backer & Co., with Eldorado; second, Patten & Co., with Dorothy Whitney.

Twenty-five roses—W. H. Elliott, with American Beauty.

One hundred single violets—Geo. W. Ayer, with Princess; second, William Sim, same.

One hundred double violets—H. F. Calder, with Campbell; second, J. S. Smiley, same.

Certificates of merit to C. W. Ward, for Alpine Glow, Mrs. Theodore Roosevelt, Sensation; to L. E. Marquisee, for Albatross.

The judges were: On seedlings, E. Dailledouze, Flatbush, L. I., Winfred Wheeler, John Barr and Theodore Hemgenstein, of Queens, L. I., on general display, Edward MacMulkin, E. Allen Pierce and Elijah Cartwright.

Notes.

George W. Sutherland, of Natick, has purchased the greenhouses and estate of the late James Sutherland, Jr., of Athol.

William J. Stewart left Sunday for Milwaukee to attend the meeting of the executive committee of the S. A. F. F. R. Mathison was unable to go owing to the severe illness of his wife. I am glad to announce, however, an improvement in Mrs. Mathison's condition.

Spring Exhibition of the Massachusetts Horticultural Society.

The Spring show opened at Horticultural Hall on Wednesday at noon, to close Sunday evening. The show this year is not nearly so extensive as those of former years, a few large exhibitors of former years failing to make any display this season. Among the most notable absentees are Dr. C. D. Weld, Harvard Botanic Gardens, and Mrs. B. P. Cheney. Some of the other exhibitors, also, do not show so extensively as formerly.

On entering, the visitor is first attracted by a fine collection of well-grown cyclamen plants, staged by Geo. F. Fabyan, of Brookline, which are perhaps as fine as were ever seen at the Hall. Jason S. Bailey, of West Roxbury (A. J. Newell, gardener), also staged a nice lot of cyclamen of smaller size; as well as a tastefully arranged collection of palms, cinerarias, cyclamen and azaleas.

Cinerarias were superbly shown by Mr. Fabyan and Ed. J. Mitton (J. Lawson, gardener), whose exhibits were nearly equal in quality. Neither lot has ever been excelled at these shows in the past. Mrs. John L. Gardner (Wm. Thacher, gardener) also showed cinerarias, while farther down the hall was arranged a fine table of bulbous plants and hardy polyanthus, with a fine vase of Phanus grandifolius in the center. A fine specimen plant of Acacia heterophylla was sent in from Mrs. Gardner's conservatories and, by the way, the display of these acacias and ericas usually made at this show was conspicuous by its absence.

William S. Ewell & Son, of Roxbury, had the most extensive display of Spring bulbs, which comprised some very well-grown stock. The Bussey Institute made quite a display of bulbs, as well as an interesting collection of wild and cultivated plants, collected mostly through Pennsylvania. Another interesting display from the Institute was the collection of shrubs in pots, including Azalea Mollis, kalmias, rhododendrons, hydrangeas and lilacs.

R. & J. Farquhar & Co. staged a fine display of their Farquhar rose, banked by bay trees and palms, while along the front were arranged araucarias ferns and small palms.

Mrs. A. W. Blake, of Brookline, sent six or eight plants of Amaryllis hybrids.

Henry A. Dreer, Philadelphia, staged a lot of their golden pandanus, Pandanus Sanderi. Walter Hunnewell sent in three plants of Aucaba japonica in fruit. Jas. L. Little showed Azalea mollis and freesias. Lucius H. Foster had a few plants of the Anna Foster fern. W. Whitman staged hardy polyanthus and jonquils.

In the smaller hall Lager & Hurrell exhibited a fine lot of orchid plants, while two very fine displays of cut orchids were made by Walter P. Winsor, Fairhaven, and Col. Chas. Pfaff. J. S. Bailey sent in a fine specimen Cypripedium Rothschildianum bearing nine flowers. W. P. Winsor showed a nice Odontoglossum Rossii Magus.

In cut flowers, several displays were made on the opening day, though on the second and third day several other exhibits will undoubtedly be made. American Beauty roses were shown by W. H. Elliott and the Floral Exchange, of Edgely, Pa., which company also showed Queen of Edgely and Helen Gould. Mr. Elliott also staged a fine vase of Liberty. The Waban Rose Conservatories staged Ivory and Golden Gate of excellent quality. Hybrid roses were not shown at all.

Peter Fisher staged four fine vases of carnations, one each of Enchantress, Mrs. M. A. Patten, Governor Wolcott and Boston Market. S. J. Reuter staged a very good vase of Prosperity. Mrs. E. M. Gill showed a variety of Spring flowers.

(Report to be continued next week.)

F. J. NORTON.

UTICA, N. Y.—There were a very few of the bowlers out at our last meeting March 4. Following is the score:

	1	2	3	4	5
Rowlands	139	148	120	133	126
Hoffman	90	111	121	158	111
Spencer	130	143	110	106	87
McGowan	114	144	98	88	129
Cramer	137	97	101	92	126
MacLane	71	100	85	101	115

WASHINGTON, D. C.—The florist bowlers of the Capitol City rolled a game of tenpins on March 4, with the following result:

	1	2	3
W. H. Ernest	175	227	172
George Cook	164	161	160
George Shaffer	130	151	141
Charles Wolf	120	136	147
W. S. Clark	146	134	137
A. Esch	158	118	138
H. Pritchard	158	158	177
William King	127	172	161
J. Shine	139	119	140
W. Kimmel	122	108	137
J. Minder	109	116	113
Barber	116	125	124
Herold	109	106	118

C. W. W.

BOSTON.—On Friday of last week, on the Boylston Alleys, the Waban Rose Conservatories team defeated the Wm. E. Doyle five at candlepins by 18 pins. This makes the series even, with one win each.

WABAN ROSE CONSERVATORIES.

	1	2	3	Totals.
Donahue	74	86	79	239
Harding	82	78	100	260
Dunn	57	58	63	178
Woods	78	66	76	220
Cartwright	62	86	85	233
	353	374	403	1130

W. E. DOLYE.

	1	2	3	Totals.
White	79	80	79	238
Weinnet	63	75	70	208
Reehal	74	75	61	210
Barry	74	69	87	230
O'Reilly	71	76	79	226
	361	375	376	1112

Friday this week the Doyle team rolls the Growers' team.

F. J. N.

Firms Who Are Building.

BATTLE CREEK, MICH.—H. M. Burt is building a new greenhouse, corner South avenue and Hussey street.

PHILADELPHIA, PA.—C. F. Knorr & Bro. are building a greenhouse 150 x 50.4, to cost $2,500, at Oxford Pike near Levick street.

NORTHEAST, PA.—Geo. H. Selkregg has purchased a strip of land adjoining his present property and will erect a greenhouse 20 x 80.

COATESVILLE, PA.—Rudolph Laird is formulating plans for eight new greenhouses, each 100 feet long. The buildings are to be erected by the Lord & Burnham Co., New York.

WASHINGTON, PA.—Work will be commenced April 1 on a number of greenhouses to be erected on the old McBurney farm, 2½ miles east of this town, for the growing of cut flowers and bedding plants. The farm was purchased by a number of local men. J. S. Salmons is at the head of the project and will live on the place.

Grand Rapids, Mich.

News of the Week.

The Grand River is flooded and traffic temporarily interrupted in consequence.

Nearly every florist is sick, either with a cold or the grip. Even the flowers are affected by the muggy weather.

We are informed that the old express rates on cut flowers have been restored, plus 5c. on each box shipped, to take effect March 11. The reduction has largely been brought about by the efforts of E. E. Pieser, of Kennicott Bros. Co., Chicago., who well deserves our thanks.

The price of glass has dropped since December. Glass 16 x 20, D. S. A., ordered then by the carload lot, was $3.88 per box net, f. o. b. Grand Rapids; now the same glass can be bought at $3.52 f. o. b.

Recent visitors included Harry A. Bunyard, of Clucas & Boddington, N. Y. a representative of M. Rice & Co., Philadelphia, and a brace of bulb men from Holland.

G. F. C.

Jointing Greenhouse Pipes.

The question is sometimes asked in trade journals how to joint greenhouse hot water pipes with Portland cement. The invariable reply, says the London Ironmonger, is a recommendation not to use Portland cement at all. There is no flexibility whatever in a joint made with this material, which is not strong enough to withstand the strains of expansion and contraction. It may serve well for a pipe that never gets hot; as, for instance, a drain pipe, but for a pipe conveying water having temperatures ranging over 100 degrees the joint must either be flexible or, if rigid, it must be very strong. There can be no doubt that the joints of these pipes are made water tight and sound by the yarn which is first calked in, but this requires to be backed up with something to keep it sound. In one instance, in a large grower's establishment, Portland cement was used, but every third joint was a rubber ring which accommodated the strains referred to. There were, therefore, two cement joints, then one rubber joint, in all the runs of pipe, and, it may be remarked, there were also plenty of men about who could remake a joint if one leaked here and there. For what may be termed temporary work, or piping which may have to be altered in some way, as occurs in growers' establishments, the rubber ring serves well. It is a ring of round rubber, which is stretched onto the spigot end of a length of pipe, and this is then forced into the socket end of another length This makes the joint, and nothing could be more simple, but it does not do for permanent work. The rubber ring may, however, be introduced in the latter, as an expansion joint here and there, if the other joints are of a rigid kind.

The commonest rigid joint, as being reliable and costing little, is made with iron borings. These are procurable from firms who supply the pipes, and the method of making the joint is as follows: The proportions of ingredients are, by weight, 100 parts of borings, which must be pounded if very coarse, 2 parts powdered sulphur and 1 part powdered sal-ammoniac. These are thoroughly mixed and then moistened with water, this being done about one to two hours before use, according to the dryness of the weather. Only as much should be made as can be used the same day. In making the joint the socket is calked either two-thirds or three-fourths full of yarn, and the remaining space with the borings mixture. The latter rusts into a solid, extremely hard mass, and as it swells slightly in setting it requires skill and practice to save getting cracked sockets. We by no means condemn the various patented expansion joints now on the market. Wherever the cost will admit one or the other of these might well be used, and their extra cost after all is not so great as is often assumed, as the saving in time (labor) is great, and the appearance is good.—Metal Worker.

New Bedford, Mass.

At a meeting of the New Bedford Florists' Club, officers were elected as follows: President, R. E. Nofftz; vice-president, J. H. Cleary; secretary, William P. Pierce; treasurer, H. V. Sowle; executive committee, E. H. Chamberlin, A. B. Hathaway and E. Y. Pierce. The club adopted the report of the committee recommending a constitution and by-laws. J. T. Munson, of New Haven, and a Mr. Zinkham, of New York, were admitted as honorary members.

BUSINESS DIFFICULTIES.

ATLANTA, GA.—A. B. Williams has made application for relief in bankruptcy.

Fumigating Kind TOBACCO POWDER
KILLS ALL APHIS IN ONE NIGHT
In a house 100x25 ft., at a cost of [illegible] pkg. will cost nothing if you [illegible] the express charges on it. Our booklet [illegible] for it. THE H. A. STOOTHOFF CO., 116, 117, 118 West St., N. Y. City

Mention the Florists' Exchange when writing.

Canadian News

Hamilton.

News.

There is a good supply of flowers, including Easter lilies, in sight for Easter. A few days of bright weather would materially help the roses, etc., along. There has been very little sun for a week back, and the mild, damp weather induces mildew on roses.

S. Mills & Co. are running a cut flower branch in their department store. It has not assumed great proportions yet, but it is well known how department stores have cut up business in other places. They cannot be prevented from getting stock; a better way would be for the trade to make a determined effort to improve the retail store business. If it were done thoroughly and aggressively the department stores would see no opening for a flower department.

At the request of the City Improvement Society the Parks Board has taken over the care of the city shade trees, and we may now expect some system and judgment in the matter of pruning. The Improvement Society is also arranging a lengthy list of prizes to be awarded to citizens for the best flower beds, lawns, window boxes, etc., to be grown during the coming season. It has requested the trade to subscribe funds for one section of prizes. This they may do. It would be no more than proper, anyway, as the society has, by its efforts, greatly advanced the taste for floriculture.

Callers: W. S. Murray, representing Van T'Hof & Blokker, Holland, and J. M. Veldhuyzen Van Zanten, Lisse, Holland.

The Club Meeting.

The Club met on the 17th inst. There can be no Irish blood in the florists here (or they must all be forgetful), for, although shamrock was sold and worn in quantity by the citizens, not one of the boys at the Club did honor to Ireland's saint. Perhaps, though, their supply of shamrock was entirely sold out.

There was a good attendance, and Mr. George Cranston, pot manufacturer, was elected to membership.

E. J. Townsend, R. Potter and J. Fox, the committee to draft a scale of prices for the coming season, reported and handed in the result of their work. The scale includes all the principal lines of Spring plants. It was discussed item by item and altered in some instances; the rates are only fair living prices. There is no suggestion of a combine or a hold-up. If any one in the city selling these goods does not endeavor to maintain these prices, he is not consulting the interests of his business. No one can possibly show that present prices are sufficient; the scale of prices can be just as easily secured as any other, if every one stands together. The procedure of some growers, in past seasons, of growing all they can squeeze into their houses and selling them for ridiculously low prices, reminds me of the story about an old woman selling flowers in Covent Garden. "This plant," she told her customer, "I am selling at really less than cost, and only the large quantity which I sell enables me to make a living."

C. Webster was to have reported on what he saw at the Toronto carnation meeting. There was not sufficient time, however, and it was scheduled for next meeting.

D. C. Nixon, publisher of the Canadian Florist, was expected at the meeting in the interests of his paper. He evidently missed his connections somewhere.

After business, card playing was the order of the evening, and music was contributed by Messrs. Townsend, A. Bailey, Jr., and C. Webster.

BEAVER.

DON'T DELAY.

	Per 10
Kentia Forsteriana, 4 in., ready for 5 in., 5 leaves	$3 00
Kentia Belmoreana, same size, splendid	3 50
Asparagus Plumosus, 3½ in., fine, well colored	1 00
Pelargonium Victor, 3 in., strong	80

Holly Fern, splendid stock, 2½ in. $4 00 per 100.

Webster Bros., Plantsmen. **Hamilton, Canada**

Mention the Florists' Exchange when writing.

Montreal.

Mr. Fred Bennett, who is leaving Montreal for the West, was given a genuine surprise last Thursday evening, when about forty members of the Florists' Club met at Mr. Joseph Bennett's residence at Lachine, and presented him with a fine case of cutlery. Mr. McKenna made the presentation, and, in his usual serene and deliberate style, wished him health and success in his new field of work. Fred was completely taken by surprise, but made a fitting reply, thanking the boys for their kindness. An impromptu program of songs and recitations, rendered by the Misses Bennett, Messrs. Walter Wilshire, Harry Bunyard and Hayward, was thoroughly enjoyed by all. After a few games of euchre and after bouncing Fred, the boys returned home in the small hours.

As correspondent to The Florists' Exchange Mr. Bennett will be sorely missed; his news items were noted for completeness, and he was a zealous worker for Montreal; the trade appreciated Mr. Bennett's work in every way.

President Trussel has fully recovered from an attack of la grippe.

The Windsor Hall has been secured for the Chrysanthemum Show next November. Now, boys, grow some good stock and then exhibit it!

Trade good, with no change in prices from last report; white flowers very scarce.

W. C. H.

Ottawa.

The snow is nearly gone, gentle rains and bright suns having done the business very satisfactorily. We are now fairly launched in our legislative session, which will make business brisk. The state dinner, which was in pink, used large quantities of tulips, which are very good this year. The drawing room called for even more hand bouquets than in former years. It was noticeable how many carnation bouquets were carried, the excellent quality of carnations causing many to use them in preference to the high-priced roses. Valley bouquets were noticeable. Lilac, daisies, and erica also came in for a share.

This is Shamrock Day, and our true shamrock is selling better than ever. C. Scrim sold 500 pots yesterday, and other florists have had large sales. There is quite a demand here for good priced center pieces for shamrock parties. We make them by putting a 6-in. pot in a 10-in. pan, and a 4-in. inside the 6-in., then planting the whole with 2½-in. plants when young. This, when well grown, makes a pretty green bank, bringing a good price.

There has lately been quite a demand for funeral flowers.

C. Scrim has returned from a visit to New York.

E.

HIGH GRADE ASTER SEED

	Trd. Pkt	¼oz.	Oz
Queen of the Market, white, pink, mixed	10	20	50
Branching, white, pink, mixed	15	25	75
Giant Comet Bride, white, pink, mixed	15	25	75
Perfection, white, pink, blue, crims'n, mxd	15	25	75
Chrysanth, white, pink, blue, crim'n, mxd	15	25	75
Victoria, white, pink, blue, crimson, mxd	15	20	60
Hohenzollern, white, fine	25	—	—

E. GRAINGER & CO.,

Deer Park Conservatories. TORONTO, ONT.

Mention the Florists' Exchange when writing.

FLOWERING PLANTS

For Easter

Now is a good time to buy

Azaleas, Spiræas, Etc.

They ship better than when in full bloom.

J. GAMMAGE & SONS

LONDON, ONTARIO

Mention the Florists' Exchange when writing.

The Landscape Artist

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.. BY ..

Joseph Forsyth Johnson

F. R. H. S., CONSULTING LANDSCAPE GARDENER AND GARDEN ARCHITECT

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To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

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HOW
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- To tell the amount of radiation necessary to heat the same?
- To place the heating pipes to best advantage?
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- To set up a boiler?

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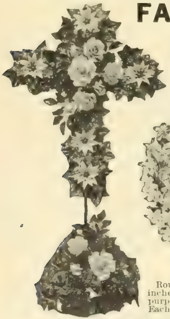

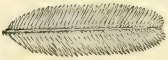

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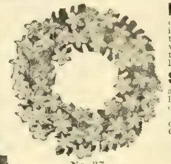

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Wholesale Prices of Cut Flowers, New York, March 20, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	20.00 to 30.00
	" extra	10.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	8.00 to 10 00
	" extra	5.00 to 6 00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 10.00
	Liberty	2.00 to 25.00
	Meteor	.50 to 5.00
ADIANTUM		.75 to 1.00
" PETER CROWE		...... to 1.50
ASPARAGUS		25.00 to 50.00
CALLAS		6.00 to 8.00
CATTLEYAS		40.00 to 50.00
CYPRIPEDIUMS		10.00 to 12.50
DENDROBIUM FORMOSUM		...... to 25.00
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	STANDARD VARIETIES	White	1.00 to 1.50
		Pink	1.00 to 1.50
		Red	1.00 to 1.50
		Yel. & Var.	1.00 to 1.50
	*FANCY— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 4.00
		Red	2.00 to 3.00
		Yel. & Var.	2 00 to 3.00
	NOVELTIES		3 00 to 4.00
LILIES			6.00 to 8.00
LILY OF THE VALLEY			1.00 to 2.00
NARCISSUS—Paper White			.50 to 1.00
" —Yellow			.25 to 1 50
MIGNONETTE—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
SMILAX			12.00 to 15.00
SWEET PEAS			.85 to 1.00
TULIPS			.75 to 2.00
VIOLETS			.10 to .25
" special			.35 to .50
LILAC, per bunch			.50 to .75
FREESIA, per bunch			.10 to .15

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St. Paul.

Among Growers.

Minneapolis has come to the front florally the past three years and now has some of the best stores and greenhouses in the Northwest.

The establishment of Wm. Donaldson & Co., presided over by James Souden, at 36th street and Sixth avenue, South, is a model one, and one of the best in the country. The large rose house, 240x35 feet, built on a gentle southern slope, shed roof, is by far the best rose house in the State. American Beauty flourish here with 6 and 8-foot stems, while Bridesmaid, Bride and Golden Gate are equally strong. Next season he will plant Ivory and Sunshine.

In carnations, some very good varieties are grown, including Norway, Lorna, Queen Louise, Prosperity, Mrs. G. M. Bradt, Guardian Angel, Mrs. Frances Joost and other favorites. In violets, Lady Campbell and Princess of Wales were one sheet of blue. The single one, however, should be grown cooler than the double, so that double ones in the same house with the singles were rather short stemmed. Mr. Souden has been forcing lilacs all Winter for cutting purposes. They were extra heavy pot-grown plants, and produced on an average 18 blooms, which retailed readily at $3.00 per dozen. A large number of plants are held back for Easter blooming, and should prove most profitable for that occasion.

He also has a fine lot of lilies and H. P. roses, azaleas, hydrangeas, etc., which will be in fine condition for Easter sales.

Mr. Souden devotes nearly his entire time to the greenhouses, the store trade being looked after by R. Latham. Their trade is almost wholly local. But flowers are not the only products of Minneapolis greenhouses, as I ascertained by visiting Fred Busch, the veteran vegetable grower, located at Fiftieth and Lyndale avenues. Mr. Busch is well known to the florist fraternity, having been prominent in national, State and local circles. His range of houses contains upwards of 60,000 square feet of glass, and one house is the largest in the State, being 60 feet wide and 300 feet long. At the time of my visit the houses were nearly all planted to lettuce, in all stages of growth. The Grand Rapids variety is grown exclusively and five crops are cultivated during the season. To counteract stem rot, lime is mixed with the soil in preparing the beds. Cucumbers have already been planted in several houses, and will be in crop after the lettuce is all cut. Tomatoes have also been planted, and are beginning to set their fruit, which should be ready for the market in about four weeks. Lorillard is the only variety grown. In the early Fall the tomato plants were hardly affected by club root. Mr. Busch turned off all steam and allowed the houses to freeze solid. This killed the club root, and his plants are all strong, clean and healthy. In two lean-to sheds is grown rhubarb. This is a very profiitable crop and is grown almost exclusively in the dark, as the stalks are then straighter and more tender. When about ready to cut a few days of light colors them up in good shape for market. Two more lean-to sheds are devoted to mushrooms, which are, generally speaking, a very profitable crop. Radishes and parsley are also grown in quantities and are quite remunerative.

By freezing his largest houses during the coldest weather, Mr. Busch has reduced his coal bill and killed the club root at the same time, and is several hundred dollars ahead by the transaction. He is one of those careful far-seeing men who figure ahead before plunging into a project. If more of the florists used a like caution, better business would result.

Minneapolis has become quite a vegetable growing section. There are three smaller institutions located near Mr. Busch and others in other sections of the city. Their products are sold at home and shipped to Duluth, Fargo and other cities, and occasionally to Chicago.

VERITAS.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Boston Mar. 11, 1903	Phil'delphia Mar. 17, 1903	Baltimore Mar. 10, 1903	Buffalo Mar. 17, 1903	Pittsburg Mar. 16, 1903
	A. BEAUTY, fancy—special		...... to 40.00	...... to	...... to	20.00 to 30.00	25.00 to 40.00
Roses	" extra		30.00 to 35.00	30.00 to 40.00	...... to	10.00 to 15.00	16.00 to 20.00
	" No. 1		16.00 to 25.00	20.00 to 25.00	25.00 to 40.00	6.00 to 8.00	6.00 to 12.00
	" Culls and Ordinary		4.00 to 8.00	10.00 to 15.00	8.00 to 20.00	2.00 to 3.09	2.00 to 3.00
	Queen of Edgely		...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		.... .. to 16.00	...... to	...... to	...... to	12.00 to 15.00
	" extra		10.00 to 12.50	12.00 to 15.00	...... to	8.00 to 10.00	8.00 to 10.00
	" No. 1		6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	5.00 to 6.00	4.00 to 6.00
	" No. 2		2.00 to 4.00	5.00 to 6.00	5.00 to 7.00	2.00 to 3.00	2.00 to 3.00
	Golden Gate		...... to	6.00 to 12.50	5.00 to 12.00	2.00 to 8,00	4.00 to 6.00
	K. A. Victoria		...... to	..... to	5.00 to 8.00	...... to	...... to ......
	Liberty		6.00 to 25.00	10.00 to 30.00	...... to	2.00 to 10.00	4.00 to 10.00
	Meteor		2.00 to 12.50	...... to	...... to	2.00 to 8 00	2.00 to 10.00
	Perle		...... to	6.00 to 10.00	4.00 to 6.00	3.00 to 5.00	4.00 to 10.00
	ORCHIDS—Cattleyas		...... to	40.00 to 50.00	...... to	50.00 to 60.00	...... to ......
	Cypripediums		...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors		...... to .75	...... to	1.00 to 1.75	.75 to 1.00	...... to 1.00
	STANDARD VARIETIES	White	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
		Pink	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	1.25 to 1 50
		Red	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	1.25 to 1.50
		Yellow and var.	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
	*FANCY (*The highest grades of standard var)	White	...... to 3.00	3.00 to 4.00	3 00 to 5.00	2.50 to 3.00	3.00 to 4.00
		Pink	...... to 3.00	3.00 to 4.00	3 00 to 5.00	2.50 to 3.00	2.00 to 3.00
		Red	...... to 3.00	3.00 to 4.00	3.00 to 5.00	2.50 to 3.00	2.50 to 3.00
		Yellow and var.	...... to 3.00	3.00 to 4.00	3.00 to 5.00	2.50 to 3.00	3.00 to 3.50
	NOVELTIES		4.00 to 5.00	..... to	...... to	4.00 to 6 00	...... to ......
	ADIANTUM		.75 to 1.00	...... to 1.00	..... to 1.00	.60 to 1.25	1.00 to 2.00
	ASPARAGUS		25.00 to 50.00	25.00 to 50.00	20.00 to 60.00	10.00 to 60.00	30.00 to 50.00
	CALLAS		8.00 to 10.00	...... to	8.00 to 12.00	5.00 to 10.00	5.00 to 10.00
	CHRYSANTHEMUMS		...... to	...... to	...... to	...... to	..... to .....
	DAFFODILS		1.50 to 2.00	2.00 to 3.00	3 00 to 4.00	2.00 to 4.00	1.00 to 3.00
	DAISIES		...... to	1.50 to 2.00	...... to	...... to	1.00 to 2.00
	FREESIA		...... to	...... to	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00
	GALAX LEAVES		...... to	...... to .10	...... to .10	.10 to .12	..... to ......
	HYACINTHS		...... to	3.00 to 4.00	2.00 to 3.00	2.00 to 6.00	3.00 to 5,00
	LILIES		8.00 to 10.00	10.00 to 15.00	...... to 12.00	10.00 to 12.50	8.00 to 15 00
	LILY OF THE VALLEY		2.00 to 4.00	3.00 to 5.00	3.00 to 4.00	2.00 to 5.00	3.00 to 4.00
	MIGNONETTE—Ordinary		2.00 to 3.00	2.00 to 3.00	2.00 to 4.00	...... to 2.00	1.50 to 2.00
	" Fancy		...... to 4.00	..... to	...... to	...... to 4.00	...... to 3.00
	NARCISSUS		1.50 to 2.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00	1.00 to 3.00
	SMILAX		12.50 to 16.00	12.00 to 15.00	10.00 to 25.00	...... to 15.00	15.00 to 18.00
	STEVIA		...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS		...... to 1.00	1.50 to 2.00	...... to	.75 to 1.50	.25 to .75
	TULIPS		2.00 to 4.00	3.00 to 4.00	...... to 3.00	2.00 to 4.00	2.00 to 5.00
	VIOLETS		.15 to .50	.75 to 1.00	.50 to .75	.25 to .60	.25 to 1.25

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Worcester, Mass.

During the week of March 16 Horticultural Hall was an unusually busy place. Wednesday and Thursday the Massachusetts Fruit Growers' Association held their annual convention. There was a large attendance, with speakers from several States.

Wednesday evening the Horticultural Society held their annual reunion and banquet, followed by dancing.

Thursday afternoon was the first regular meeting for the display of vegetables.

Saturday afternoon the Bee Keepers' Association held the regular monthly meeting.

The few days of mild weather quickened the florist trade to a certain extent, but the following cool spell put it back where it was before.

Charles W. Menck, for the past 18 years employed by H. F. A. Lange, the florist, died at his home, 78 Lafayette street, March 6. He was born in Norwich, Conn., and was 31 years old. He leaves a wife and one child.

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Chicago.

s usual at this time of the Lenten son trade has taken quite a stim- s, and for the past week has been king up in grand shape. All report s good with prices back to almost same grade as before Lent. There y be some clean-up sales on all kinds stock at rather low prices, bu. the k of it is sold at prices satisfactory all concerned. Shipping trade has n more satisfactory for the past k than at any time since Lent be- , and more orders have been re- ed since the express rates were re- red to their former standard than any time before of the same dura- . Some houses report a return to r standing orders, which were taken m them a short time after the in- ased express rates went into effect. this cloudy weather which we have for some time continues, there is doubt but that there will be a fur- r increase in the prices of all kinds stock coming to this market. The sensus of opinion of the growers ms to be that the stock will depend the state of the weather between v and Easter.

he executive committee of the S. A. stopped for one day here on their y to Milwaukee, and in the evening e given an informal banquet by sev- l of the local craft, at which an en- able time was spent. The time was sed in speech-making, interspersed songs. President Burton's speech, which he referred to the efforts be- made by those of the craft in the st to make the coming convention Milwaukee the largest and most able ever held, was well received, was also the one by J. C. Vaughan cerning the efforts that were being de in the West towards the same .

. J. Hauswirth, in reference to the rts in connection with the S. A. F. vention, and especially that of vling, in which he is an enthusiast, l of what the Chicago boys were go- to do in the way of training for the test next Summer. In the course his remarks he stated that to take sporting parts from the convention uld mean a loss of $500 to the S. A. which was corroborated by Secre- y Stewart. Others present made rt addresses, songs were rendered by ssrs. Wallace and Carter, and some personifications by Mr. Woodruff re well received. In this way the ning was soon passed.

t the last club meeting there was a small attendance, and only tine business was transacted. Such ager atendance is to be deplored, l some effort should be made to in- est the members, with the conven- n of the S. A. F. so near. The pres- time should be one of the most ive in the history of the club, for s will be the stamping ground of mbers from all over the country coming Summer. So arise, shake that Rip Van Winkle feeling, get ether and make the Chicago Florists' b one of the banner clubs of the ntry! Awake to the needs of the ft, open your eyes and arouse your- ves, and become aware of what will expected of this club for the coming nmer. Lay all personal animosity de, put your shoulders to the wheel one person, and you will surprise rselves at what you can accomplish.

he meeting called at P. J. Haus- th's store, looking toward the form- on of a club to bowl at Milwaukee ing the convention, was well at- ded, and great enthusiasm shown. J. Hauswirth was elected president, rge Scott, vice-president; George llery, secretary and treasurer, and rles Balluff, captain. A series of rty games are to be rolled for the ection of a team, the opening ones April 14. Each member is to pay entry fee of $1.00 and must bowl 21 more games to entitle him to take t in the finals. The ten highest men the conclusion of the series will then vl to determine who will constitute six-man team to represent Chicago.

isitors in town: J. Burton, G. C. tson, Philadelphia, Pa.; F. A. Belt, rling, Ill.; E. J. Fancourt, Philadel- a; A. Wallace, New York; Secretary wart, Boston, Mass.; R. Tesson, St. uis, Mo. ROBERT JOHNSTONE.

St. Louis.

Florists' Club Meeting.

The attendance at the club meeting last Thursday was not very encouraging to the officers. Only 16 members were present, and they enjoyed a pleasant afternoon listening to interesting proceedings.

The meeting opened at the usual time, two o'clock, with President Dunford in the chair. Mr. Dunford looked well after a three weeks' visit in Florida.

The president was in a cheerful mood and read an interesting paper on what he had heard and seen while on his visit. His paper was much appreciated by the members.

The express committee reported that the express rates had been restored to the old schedule. The entertainment committee, having closed their work, were discharged with thanks for their good service.

Walter Gillies was given the scholarship of the club, to Shaw's Garden through letters of recommendation which were a credit to Mr. Gillies.

The applicants elected to membership were W. J. Pilcher, of Kirkwood, and A. G. Bentzen, of St. Louis. Mr. W. E. Guy, of Belleville, was reinstated to membership. New applications were received from Walter Gillies, of Shaw's Garden and D. R. McAnally, of South St. Louis.

The club had on exhibition the new golden yellow rose Franz Deegen, sent by the South Park Floral Co., New Castle, Ind. The judges, Messrs. Ammann, Beneke and Tesson, voted it a grand yellow rose; big improvement on Perle, and of good keeping quality.

Dr. Halsted, of Belleville, who is mayor of that town, invited the club to hold its next regular meeting in his city. The invitation was accepted, and the meeting will take place on Thursday, April 16, being the third Thursday instead of the second. At this meeting the club will hold its annual rose exhibition. Three prizes have been offered, $5 for first, $3 for second, and $2 for third, for the best vase of roses, to be competed for only by local growers. This, with a number of essays, will make an interesting meeting, and a large attendance is expected.

Heard About Town.

Walter Sanders has returned from New York, where he worked for Small & Son the past seven months.

Eddie Gerlach is back at his post at Kuehn's, after a week's illness. Eddie says he is a little down in weight, but still in the ring.

It is said that W. J. Pilcher will grow carnations next season, and will build a new house or two this Summer on Florists' Hill, Kirkwood.

Two wholesale men, Kuehn and Berning, who were laid up with la grippe, are again attending to business as usual. The third one, Frank Ellis, claims he is too tough to be sick. He looks it since removing his mustache.

ST. PATRICK.

Lenox, Mass.

The Lenox Horticultural Society held a "carnation night" at its rooms, Saturday evening, March 7, the carnation being exhibited and methods of culture and development discussed. Carnations were shown from the greenhouses of John Sloane, George H. Morgan and H. H. Cook, and diplomas were awarded. The next meeting will be held on the 18th, when W. A. Manda, of Orange, N. J., will speak on "Coniferæ and Evergreens."

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Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Chicago Mar. 17, '03	St. Louis Mar. 10, '03	Cincinnati Mar. 17, '03	Milwaukee Mar. 16, '03	Detroit Mar. 18, '03
		A. BEAUTY, fancy—special	25.00 to 32.00	..... to 50.00	...... to 35.00	30.00 to 35.00	...... to 40.00
Roses		" extra	20.00 to 25.00	25.00 to 40.00	...... to 25.00	20.00 to 25.00	...... to 30.00
		" No. 1	16.00 to 20.00	10.00 to 20.00	12.00 to 16.00	12.50 to 18.00	..... to 20.00
		" Culls and Ordinary	8.00 to 12.00	4.00 to 8.00	3.00 to 5.00	6.00 to 8.00	6.00 to 10.00
		Queen of Edgely	...... to	...... to	...... to	...... to	...... to .....
		Bride, 'Maid, fancy—special	8.00 to 10.00	...... to 8.00	...... to 8.00	...... to 10.00	..... to 7.00
		" extra	6.00 to 8.00	...... to 7.00	...... to 6.00	...... to 8.00	...... to 6.00
		" No. 1	5.00 to 6.00	...... to 6.00	4.00 to 5.00	...... to 6.00	...... to 5.00
		" No. 2	3.00 to 4.00	4.00 to 5.00	2.00 to 3.00	...... to 4.00	...... to 4.00
		Golden Gate	3.00 to 8.00	5.00 to 8.00	4.00 to 10.00	4.00 to 10.00	4.00 to 7.00
		K. A. Victoria	...... to	4.00 to 8.00	...... to	6.00 to 8.00	...... to . . ..
		Liberty	4.00 to 20.00	4.00 to 8.00	4.00 to 10.00	4.00 to 10.00	..... to ......
		Meteor	3.00 to 8.00	4.00 to 6.00	4.00 to 6.00	2.00 to 6.00	4.00 to 7.00
		Perle	3.00 to 8.00	4.00 to 8.00	...... to 4.00	4.00 to 6.00	4.00 to 7.00
		ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to 50.00
		Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations		Inferior grades, all colors	1.50 to 2.00	1.50 to 2.00	...... to	...... to	...... to ......
	STANDARD VARIETIES	White	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	2.00 to 3.00	2.00 to 3.00
		Pink	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	. . . to 2.00	2.00 to 3.00
		Red	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	...... to 2.00	2.00 to 3.00
		Yellow and Var.	2.00 to 3.00	2.50 to 3.00	1.50 to 2.00	...... to 3.00	2.00 to 3.00
	*FANCY-- (*The highest grades of standard var)	White	3.00 to 4.00	..... to 4.00	3.00 to 4.00	...... to 4.00	3.00 to 5.00
		Pink	3.00 to 4.00	..... to 4.00	3.00 to 4.00	...... to 3.00	3.00 to 5.00
		Red	3.00 to 4.00	..... to 4.00	3.00 to 4.00	...... to 3.00	3.00 to 5.00
		Yellow and Var.	3.00 to 4.00	...... to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 5.00
		NOVELTIES	5.00 to 8.00	...... to	..... to	..... to	...... to ......
		ADIANTUM	.75 to 1.50	...... to	..... to 1.50	...... to	1.00 to 1.50
		ASPARAGUS	20.00 to 75.00	10.00 to 20.00	50.00 to 60.00	20.00 to 40.00	50.00 to 75.00
		CALLAS	8.00 to 12.00	10.00 to 15.00	..... to 12.00	10.00 to 12.50	10.00 to 12.50
		CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	...... to ......
		DAFFODILS	...... to	..... to 4.00	3.00 to 4.00	2.00 to 3.00	...... to ......
		DAISIES	.75 to 1.50	..... to	...... to 2.00	...... to .75	...... to 1.00
		FREESIA	2.00 to 3.00	1.00 to 2.00	...... to	2.00 to 3.00	...... to ......
		GALAX LEAVES	..... to .15	..... to .15	...... to .15	...... to .20	...... to .10
		HYACINTHS	.... to 3.00	..... to 3.00	...... to 4.00	...... to	3.00 to 6.00
		LILIES	12.00 to 15.00	12.50 to 15.00	..... to 12.50	...... to 12.50	15.00 to 18.00
		LILY OF THE VALLEY	3.00 to 5.00	..... to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
		MIGNONETTE—Ordinary	...... to 4.00	...... to	...... to	...... to	...... to 3.00
		" Fancy	...... to 8.00	...... to 5.00	...... to	...... to	...... to 5.00
		NARCISSUS	2.00 to 3.00	...... to 4.00	...... to 3.00	2.00 to 3.00	3.00 to 4.00
		SMILAX	15.00 to 20.00	12.50 to 15.00	...... to 15.00	...... to 18.00	12.50 to 15.00
		STEVIA	...... to	...... to	...... to	...... to	...... to ......
		SWEET PEAS	..... to 1.00	1.00 to 1.50	...... to 2.00	...... to .50	.50 to .75
		TULIPS	3.00 to 5.00	3.00 to 4.00	...... to 3.00	...... to 3.00	3.00 to 5.00
		VIOLETS	.40 to 1.00	.25 to .50	.35 to 1.00	.50 to .75	... .. to .50

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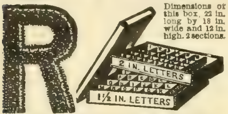

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No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5 —4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29 00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

Sample free on application. No charge for printing on orders above 250 boxes, Terms cash

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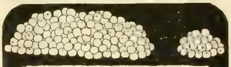

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of the advantages of spraying are shown in above picture. The two piles of apples came from the same number of trees in the same orchard row. The big pile from sprayed trees. Pictures taken from actual photographs.

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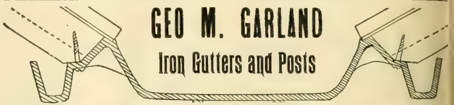

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		Price per crate			Price per
1500	2 in	pots in crate, $4.88	120	7 in.	pots in crate
1500	2¼	" " 5.25	60	8	" "
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1500	2½	" " 6 00	48	9 in.	pots in crate
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800	3½	" " 5.80	24	11	" "
500	4	" " 4.50	24	12	" "
320	5	" " 4 51	12	14	" "
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IS FAR MORE DURABLE THAN PIN

CYPRESS SASH BARS
UP TO 32 FEET OR LONGE
GREENHOUSE
AND OTHER BUILDING MATERIA
MEN FURNISHED TO SUPERINTE
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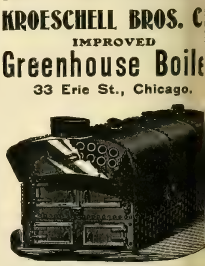

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Are for sale by all the leading Seedsmen this season. Be sure to specify **COLUMBIA TUBS** when you order if you want **The Best Plant Tub Made.**

Manufactured by

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HOT BED SASH

Now Ready.

DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft. - - 3 rows 10-inch glass
3 ft. 3 in. x 6 ft. 4 " 8 "
4 ft. x 6 ft. - - 5 " 8 "

Clear Cypress, 1¾ inch thick, without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

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The lightest running, most rapid and powerful Ventilating Machinery in the market.

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"Perfection" Lifting Apparatus and other Greenhouse Hardware
Specialties -HOTBED SASH
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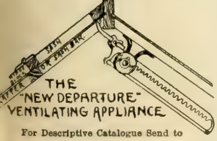
SASH
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THE "NEW DEPARTURE" VENTILATING APPLIANCE

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Hartford, Conn.

Club Meeting.

The annual meeting of the Florist Club was held Tuesday evening and was well attended. The following officers were elected for the ensuing year: President, Theo. Wirth; vice-president, J. F. Huss; treasurer, Robert Scrivener; secretary, A. Frey; board of trustees, T. J. McRonald, G. S. Osborn, J. F. Coombs.

The retiring officers and board of trustees presented the club with a block and gavel made of the wood of the Washington elm, which has been recently cut down. The tree stood in front of the Wadsworth Atheneum, on Main street, and considered historic from the fact that Washington once stood under the tree. The block is mounted with silver with the seal of the club engraved on it. The head of the gavel is octagon shape, also mounted with silver. On one side of the gavel is engraved "Block and gavel, made from wood of the Washington elm, which was removed February, 1903; presented to the Hartford Florist Club by the first retiring officers, 1903." On the other side of the gavel are the names of the retiring officers, as follows: "T. J. McRonald, president; W. W. Hunt, vice-president; J. F. Coombs, secretary; Theo. Wirth, treasurer; board of trustees, John Coombs, G. S. Osborn and J. F. Huss."

The secretary's report showed a good gain in membership the past year. The treasurer reported a good balance on hand after all bills were paid. It was voted to present the retiring secretary with a memento in appreciation of his services during the past two years, and a committee was appointed to procure something suitable. A. C. Sternberg gave an interesting talk on "Fruit Culture in Connecticut During the Past Fifty Years." J. F. COOMBS.

Louisville, Ky.

Notes.

Owing to the very warm and damp weather we have been experiencing for some time, the outlook for bulbous flowers for Easter is not encouraging. Jonquils are now blooming outdoors and tulips and hyacinths are showing color. Azaleas, rhododendrons and plants of this class are also coming very fast, and instead of urging them into bloom it will be necessary to retard them as much as possible.

Mrs. C. B. Thompson is making many improvements at her Fourth street store. Beside papering and painting the store she has an entire new set of fixtures, including a large and handsome ice box. She is also adding a conservatory, and, being a leading dealer in gold and fancy fish, she has had a large pond arranged to properly handle them. A. R. B.

Improved
Recording Thermometer
JUST THE THING FOR YOUR
GREENHOUSE.

STANDARD THERMOMETER
PEABODY MASS. U.S.A.

No. 200.
Send for catalogue and prices.
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Also carry in stock **Cypress Hot Bed Frames** to hold any number of sash. These are portable so they can be readily taken apart for storage when not in use.

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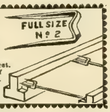

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Comorensis	3	$1.00	
Plumosus	2	.60	$4.00
Ageratum, 3 varieties	2	.50	3.00
Anthericum variegatum	3	.75	5.00
Coleus, Verschaffeltii and Golden Bedder	2	.50	3.00
Cobaea Scandens	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Fuchsias, in variety	2	.50	3.00
Feverfew, Little Gem	2	.50	3.00
Geraniums, best standard sorts	3	.60	4.00
Ivy, English, hardy strong plants	4	1.50	10.00
Ivy, Parlor	2	.50	3.00
Periwinkle, variegated	4	1.50	10.00
Petunias, double white	2	.50	3.00
Pansies, strong plants		.35	2.50
Salvias, 3 varieties	2	.50	3.00
Verbenas, named varieties	2½	.50	3.00
Heliotrope	2	.50	3.00
Lantanas, Le Naine	2	.50	3.00
Lobelias, 3 varieties	2½	.50	3.00
Lemon Verbenas	2	.50	3.00
Hermosa Roses, strong	5	2.00	
Primula Forbesii	3	.60	4.00

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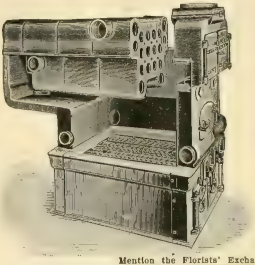

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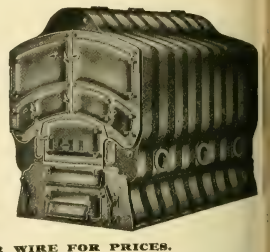

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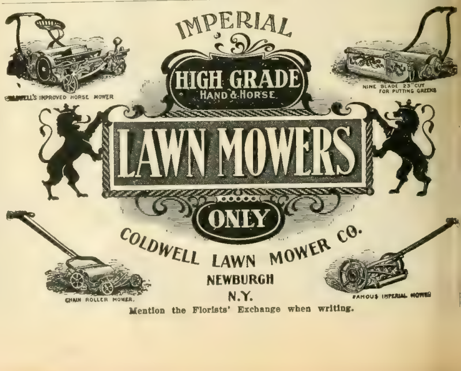

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Bride and Bridesmaid

$15.00 per 100; $120.00 per 1000

Ready for Delivery April 1.

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On Page 345
of This Number

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RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
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These are forced in large quantities in England and find ready sale Colors, light yellow to dark orange.

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Extra large plants, $5 per doz.; $40 per 100.

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JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100 $27.50.

AUCUBA JAPONICA,	12-15 in.	per doz.,	$2.50
	15-18 in.	"	3.50
" **VARIEGATA,**	18-24 in.	"	5.00

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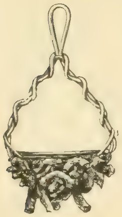

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Fresh, Bright and New

10 inch Bowl,	$1.00;	per dozen,	$10.00.
12 " "	1.15;	"	12.00
15 " "	1.50;	"	15 00.

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Heavy stock, $15.00 per 100.

AUCUBA JAPONICA, large plants	per 100	$50 00
CLEMATIS JACKMANNI, extra fine, 3 years old	"	30 00
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" " mammoth, with tin cups	"	35 00
TUBEROSES, Excelsior Pearl, mammoth	per 1000	7 50
" " " 3 x 4	"	3 00
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FRESH CYCAS REVOLUTA, only the long-leaved variety handled.
BAY TREES, standards, pyramids, all sizes.
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CONIFERS (Evergreens) in many varieties.
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Clean, healthy seed of **YELLOW NANSEMOND, BIG STEM, JERSEY** and other varieties 25 lbs., $1.50; ½ bbl $2.50, bbl. $4.00.

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OUR SPECIALTY

Catalogue upon application.

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at your **OWN PRICE** to clear out surplus.

25,000 Light Mixture, Fine Bulbs to the highest bidders per 1000 until all are taken. These bulbs usually sell at $10 per 1000.

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EXCELSIOR PEAR
TUBEROSE

And Caladium Esculentum Bulbs Canna Roots, leading varieties. Wri

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Growers, MAGNOLIA,

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Crawford's "May," best light for cut flower size bulbs, $10.00 per 1000.

Also Seed of Childsii, Gray's Inglesides, G Hybrids, etc., saved from finest selected va only.

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ASTERS. Comet, Emp Frederick and compact, fine for pots, flowers white, diamer 4 to 5 inches. Pkt. 20 c for 50 cts.

SEMPLE'S BRANCHING, home g white, shell pink and lavender. ¼ cts.; oz. 75 cts

QUEEN OF MARKET, best German, i ors ¼ oz 25 cts.; oz. 75 cts

LARGE VICTORIA, best German, in c Pkt. 25 cts.; ¼ oz. 65 cts.; oz. $2 50.

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$1.50 per Bale. Cash.

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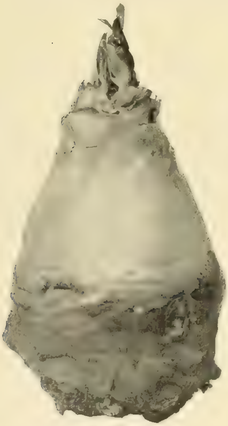

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(Excelsior Pearl)

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FIRST SIZE, 4 to 6-inch, 90 cts. per 100, $8.00 per 1000

SPECIAL SIZE, 3½-4-inch, blooming bulbs, 65 cts. per 100; $5.00 per 1000

F. O. B. New York. Add 50c. per 1000 if wanted shipped from Chicago.

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Light Varieties.

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MAY, white, finely flaked, rosy crimson, fine spike, per 100, $1.50; per 1000, $12.00.

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Yellow.

ISAAC BUCHANAN, per 1000, $2.50; 1000 $20.00

Red and Scarlet.

BRENCHLEYENSIS, per 100, 75 cts., 1000, $6.00

Can also supply Complete List NAMED VARIETIES, if desired.

		Doz.
LILIUM Auratum	8-9	$0 75
	9-11	1 00
" **Album**	8-9	75
" **Rubrum**	8-9	75
DIELYTRA (Bleeding Heart)		1 00

Cold Storage VALLEY PIPS, 500, $6.00; 1000, $1 2500, $26.00.

TUBEROUS BEGONIAS—	Doz.
Single scarlet yellow, white and pink	$ 35
Single Mixed	30
Double separate colors	60
Double Mixed	55

GLOXINIA—	
Separate colors	50
Mixed	40

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FIRST-CLASS VARIETIES. LARGE FLOWERS. HANDSOME COLORS.

No less than 25 at the 100 rate, and 250 at the 1000 rate.

	1st Size Bulbs Per 100	1000
Good Mixture	$0 80	$7 70
Fine Mixture	1 25	10 00
Seedling Mixture, very choice	1 50	12 00
XXX Florists Mixture Light and white	1 50	12 00
Vaughan's Special Forcing Mixture Light and white; part from named sorts	2 00	18 00

	1st Size Per 100
Vaughan's Fancy Mixture (very fine)	$3 50
Lemoine's Hybrids - Finest Mixture	1 35
Scarlet and Red Shades Mixed	1 25
Pink Shades Mixed	1 40
Yellow Shades Mixed	3 00
Striped and Variegated Mixed	2 50

CALADIUM (Fancy Leaved) 20 named varieties, doz., $1.50; 100, $12.00.

CALADIUM ESCULENTUM		100	1000
	5-7 inch	$2 50	$20.00
	7-9 "	3.50	30 00
Sound Center Shoots. F. O. B., N. N.	9-11 "	5.50	50.00

TULIPS, HYACINTHS, NARCISSUS, LILIUM HARRISII LONGIFLORUM and all Fall Bulbs.

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VAUGHAN'S SEED STORE,

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ILIUM AURATUM, 8-9	doz., 65c.	100, $4.50
" **SPEC. RUBRUM**, 8-9	" 75c.	" 6.00
" " " 9-11	" $1.00	" 7.00

PRIZE GLADIOLI

	Doz.	100	1000
loracroft Mixture			
1st size	20c.	$1.00	$9.00
2d size	15c.	.80	7.00
renchleyensis, bright scarlet	15c.	.90	8.00
range and Yellow	35c.	2.50	24.00
ink Shades	20c.	1.25	12.00

SELECTED BULBS Grown by a well-known specialist. QUALITY UNSURPASSED.

	Doz.	100	1000
White and Light	25c.	$1 75	$15.00
Striped and Variegated	30c.	2.25	20.00
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Groff's Hybrids, mixed	40c.	2.75	25.00
J. & S. Special Mixture	15c.	.75	6.50

BEGONIAS Tuberous Rooted

	Doz.	100
ingle, Separate Colors	30c.	$2.25
" Mixed, all colors	30c.	2.00
ouble, Separate Colors	65c.	5.00
" Mixed (Extra Quality)	60c.	4.50

GLOXINIAS Crassifolia Erecta

	Doz.	100	1000
Fine Mixed	50c.	$3.00	$25.00
Extra Large, Mixed	65c.	4.00	35.50

JAPANESE FERN BALLS FINE LONG LEAVED VARIETY

Ready to start into growth. Large Size, 30c. each; 4 for $1.00; 25 for $5.50.

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Take Rutherford car from Hoboken.

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VICK'S

We devote acres to the growing and selecting of the finest florists' strains. The seeds will come true to name because each variety and color is entirely isolated. The blooms are large and perfect, because the seed is saved from only the most perfect flowers.

If you want the best seed in the world, come to HEADQUARTERS.

- **Vick's Branching**, in six colors and mixed.
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- **Branching Comet**, in five colors.
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Write for Florists' Special Prices.

JAMES VICK'S SONS
ROCHESTER, N. Y.

ELIZABETH NURSERY CO.

(See our Advertisement on next page.)

CHAS. F. MEYER
AZALEAS
PALMS
H. P. Roses
Nursery Stock

CHAS. F. MEYER

19 Barclay Street, NEW YORK

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- **Lily of the Valley**
- **Roman Hyacinths and Paper Whites**
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- **Bermuda and Japan Lilies**
- **Azaleas and Palms**
- **Nursery Stock**

Azaleas from the celebrated nurseries of

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15 per cent. each of the varieties Simon Mardner and Mme. v. d. Cruyssen guaranteed.

MOTTO—High-Grade Quality.

Prices rock-bottom. Correspondence solicited.

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Ready Now. Fresh Importation.

15c. per lb ; $2.50 per 25 lbs.; $9.00 per 100 lbs. (50 lbs. and over at 100 lb. rates.)

Send for our special list of

Seeds, Bulbs and Plants.

HENRY F. MICHELL
Seed Growers and Importers,
1018 Market St. Philadelphia

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1900 1900 1900 1900 1900 1900

GLADIOLI

Still forcing ahead.

It is now listed by a number of Seedsmen and Growers. A good shipper, a very showy bedder, and, where weather will permit, can be had in bloom very late when flowers are scarce and high. One large grower writes: "Your **1900 Seedling** is best bedder in **Red** I have ever seen." Another customer said: "It carried best of any shipped him." Third and fourth sizes, and even smaller, bloom the first year. Also the following: **Augusta**, Nos. 1 and 2, 3d size, $14.00; 4th size, $10.00; small grade for planting stock, 5-16 to ½ inch, $5.00; ¼ to ⅜ inch, $4.00 per 1000. **May**, Nos. 1 and 2, **Shakespeare**, large grade, mixed. Write for list describing No. 1900, with cut of bloom and reduced prices for 1903.

JOHN FAY KENNELL
Gladioli Specialist
Box 405, Rochester, N.Y.

1900 1900 1900 1900 1900 1900

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EXCELSIOR PEARL

4 x 6 inch and up . . . . per 100, $1.00; per 1000, $8.00
3 x 4½ " " . . . . " .50; " 3 50

	12	100	1000
BEGONIAS Tuberous, single, separate colors	$0.30	$2.25	$20.00
" double, " "	.65	5.00	40.00
FANCY-LEAVED CALADIUM Fine bulbs, choicest brilliant colored, **Brazilian named sorts**	1.25	10.00	
CALADIUM ESCULENTUM Elephant's Ear, 6 x 8 inches	.30	2.00	17.00
8 x 10 inches	.50	3.25	30.00
10 x 12 inches	.75	6.00	50.00
Monster, 12 inches up	1.75	12.00	
GLADIOLI, American Hybrid 60 per cent. white and light	.20	1.00	9.00
Very fine mixture	.15	1.00	7.00
MAY, white and rose, finest early forcer	.30	1 75	15.00
All white and light	.25	1.50	12.00
Rose and pink	.20	1.25	10.00
GROFF'S finest hybrids	.50	2 75	25.00
GLOXINIAS Separate, white, blue, violet, red, mottled	.60	4.00	35.00
Mixed	.50	8.00	25.00

DAHLIA GERMANIA GIANT Beautiful double rose flowers, borne on long, stiff stems, profuse bloomers. Flowers brought in New York $3 00 per 100.

Large undivided field clumps . . . each, 20 cts.; dozen, $1.75; 100, $12.00
Single roots . . . " 10 cts.; " 1.00; " 6.00

Other fine Novelties in Dahlias; also all known sorts.

MADEIRA VINE, extra large roots . . . dozen, 30 cts.; 100, $2.00

SEEDS

	100	1000
ASPARAGUS Plumosus Nanus, the true sort	$0.85	$7.00
Sprengeri	.15	1.00
KENTIA Belmoreana and Forsteriana . . . dozen, 50 cts.	3.50	15.00

H. H. BERGER & CO. 47 Barclay Street NEW YORK

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200,000 SHRUBS, TREES AND VINES

Of all varieties, for late shipment. Dug and trenched in order that they may not start

	Per 100
ASH, European Mountain, 8 to 10 ft. and 10 to 12 ft......	
BEECH, " 2 to 3 ft.	$5.00
" " 4 to 5 ft.	16.00
" " 5 to 6 ft.	35.00
" " 6 to 8 ft.	50.00
" " 8 to 10 ft. ....per 10, $7.50	
" Purple-leaved, 2 to 3 ft.	15.00
" " 4 to 5 ft.	40.00
" " 5 to 6 ft.	45.00
" " 6 to 8 ft.	65.00
" " 8 to 10 ft.	100.00

BIRCH, Purple, in different sizes.

BUTTONWOOD

	Per 100
BUTTONWOOD, Oriental Planes, 10 to 12 ft.	$60.00
" " 2 to 2½ in., very fine.	125.00

CATALPA BUNGEI

CATALPA BUNGEI, standard, 2-year heads, per 10, $7.50
" specimens, each.........$3.00 to $8.00
" dwarfs, 1½ to 2 ft., per 100....$15.00
" dwarfs, extra fine, 2 to 3 ft., per 100 25.00

HORNBEAM

	Per 100
HORNBEAM, 4 to 5 ft.	$20.00
" 5 to 6 ft.	30.00

HORSE CHESTNUTS, 2 to 2½ in. 9 to 10 ft., per 10, $5.00.
" 3 to 4 in. 10 to 12 ft., each, $1.50 to $2.00
" Red fl., 5 to 6 ft.........each, 75c.

MAPLES

	Per 100
MAPLE, Silver, 10 to 12 ft.	$20.00
" " selected, 10 to 12 ft.	25.00
" " 1½ to 1¾ in. 12 to 14 ft.	25.00
" " selected, 2½ to 3 in. 14 to 16 ft. each, $1.00 to $1.50.	
" " selected, 3 to 4 in......per 10, $18.00	175.00
" " not selected, 3 to 4 in......per 10, $9.00	85.00
" " 4 to 5 in., prices on application.	
" Schwedler's, 8 to 9 ft.........per 10, $5.00	
" " 9 to 10 ft.........per 10, $6.50	
" " 10 to 12 ft.........per 10, $15.00	
" Norway, straight, nice, 5 to 6 ft.	7.00
" " " " 3 to 4 in. diam., per 10, $15.00.	
" " large sizes on application.	
" Japan Polymorphum, 2 to 3 ft.	25.00
" " " 3 to 4 ft.	40.00
OAKS, Pin, 3 to 4 ft.	8.00
" " 4 to 5 ft.	15.00
" " 5 to 6 ft.	30.00
" " 6 to 8 ft.	45.00
" Turkey, 5 to 6 ft.	20.00
" Scarlet, 5 to 6 ft.	35.00
" " 6 to 8 ft.	45.00

POPLARS

	Per 100
POPLAR, Carolina, nice, branched to the ground, 5-6 ft.	$4.50
" Carolina, nice, branched to the ground, 6-8 ft.	7.00
" Carolina, nice, branched to the ground, 8-10 ft.	8.00
" Carolina, nice, branched to the ground, 10 11 ft.	15.00
" Carolina, larger sizes on application.	
" Lombardy, branched to the ground, straight, 5-6 ft.	5.50
" Lombardy, branched to the ground, straight, 6-8 ft.	6.50
" Lombardy, branched to the ground, straight, 8-10 ft.	11.00
" Lombardy, larger sizes on application.	

THORN, double flowering, in variety. Prices on application.
VIRGILIA LUTEA.
WILLOWS of all kinds.

WEEPING TREES

	Per 10
BEECH, Weeping, 4-5 ft.	$6.00
" " 5-6 ft.	7.50
" " Purple-leaved, 5-6 ft.	10.00
BIRCH, " Young's, from 5 ft. to 10 ft. Prices on application.	
MULBERRY, Weeping, 2-year heads	7.50
" " 3-year heads	12.50
SOPHORA JAPONICA, 6-8 ft. and 8-10 ft. Prices on application.	

EVERGREENS
IN LARGE QUANTITIES

ABIES CONCOLOR, ABIES PUNGENS GLAUCA, ARBOR VITÆ, all sizes, **CEDRUS DEODORA, CRYPTOMERIA JAPONICA, FIR**, Nordmanniana.

HEMLOCKS, 2-3 ft.	per 100, $50.00
" 3-4 ft.	" 75.00
" 4-5 ft.	" 100.00
" 5-6 ft.	" 150.00

JUNIPERS, in variety.
PINE, Austrian, Cembrus, Excelsa, Mughus, Ponderosa, Scotch, White. } Various sizes.

	Per 100
RETINOSPORA Plumosa Aurea, 12-15 in.	$18.00
" " " 15-18 in.	25.00
" " " 18 24 in.	45.00
" " " 2-2½ ft., transp., perfect plants,	60.00
" " " specimens, 5-6 ft., $5.00 each.	
" Filifera, 3-4 ft.	75.00
" Veitchii, 9-12 in., bushy	12.00
" " 15-18 in.	25.00
" Squarrosa, specimens, 5-6 ft., $5.00 each.	

SPRUCE, Norway, in all sizes.

TAXUS Baccata, 1½-2 ft.	per 10, $4.00
" " 2-2½ ft.	" 6.00
" " 2½-3 ft.	" 8.00
" " 5 6 ft.	each, 3.00
" Hibernica Golden, 3-4 ft.	" 2.50

THUYA Occidentalis Lutea, one of the brightest of the golden foliaged evergreens, better than Peabody same color.

2-3 ft.	per 10, 6.50
3-4 ft.	" 7.50
4-5 ft.	" 9.00
7-8 ft. specimens	each, 5.00

Deciduous Shrubs

	Per 100
ALTHEAS, 15 varieties, 2 to 3 ft.	$6.00 to 7.00
" " 3 to 4 ft.	7.00 to 10.00
AZALEAS, Amœna, 4 years	25.00
" " extra	50.00
" Mollis, all sizes.	
BERBERIS THUNBERGII, different sizes.	
DEUTZIA, all sizes and varieties.	
HYDRANGEAS, P. G., 2 to 3 ft., heavy	7.50
" " standard, 2 to 2½ ft.	18.00
" " " extra heavy	25.00
SAMBUCUS AUREA (Golden Elder), 2 to 3 ft., 3 to 4 ft. and 4 to 5 ft.	
WEIGELA, in large quantities.	

HONEYSUCKLES

	Per 100
HONEYSUCKLES, Golden, 2 years	$6.00
" Halleana 2 years	6.00
" " extra	8.00
ENGLISH IVY, 4-in. pots	10.00
WISTARIA, Purple 3 years, strong	8.00
" " 4 years, XX	12.00

CLIMBING PLANTS

	Per 100
AMPELOPSIS VEITCHII, field-grown, No. 2	$5.00
" " X	8.50
" " XX	12.00
" " XXX, very, very heavy	15.00
CLEMATIS PANICULATA, 2-year, No. 1, $50.00 per 1000	6.00
" " 3-year, fine, $70.00 per 1000	7.25
" " X, $80.00 per 1000	9.00
" " XXX	12.00
EUONYMUS RADICANS, Var., extra fine	7.50

Dwarf and Tree Box

BOX, Dwarf, 3-4 in.	$2.50 per 100; $20.00 per 1000
" " 4-5 in.	3.50 per 100; 30.00 per 1000
" " 4-5 in., heavy	5.00 per 100; 45.00 per 1000
" " 8-10 in., beautiful plants, compact,	$12.00 per 100
" Tree, 15-18 in.	$25.00 per 100
" " 18 in.-2 ft.	$30.00 per 100
" " 2 ft.	$40.00 to $75.00 per 100
" " 2-2½ ft.	$100.00 to $125.00 per 100
" " 3 ft.	$1.25 to $1.50 each
" " 3 3½ ft.	$1.50 to $2.50 each
" " 4 ft.	$1.50 to $3.00 each
" " 5 ft.	$2.00 to $6.00 each
" " 5-6 ft.	$6.00 to $10.00 each
" " Silver Variegated, 1½-2 ft., 2 ft. across,	$1.50 each

EVERGREEN SHRUBS

EUONYMUS JAPONICA, 6-8 in...........$6.00 per 100
" " Silver, 2-2½ ft., 18 inches across, specimens, $7.50 per 10.
" " Golden, 18-24 in.; 15 inches across, 50c. each.

CALIFORNIA PRIVET

PRIVET, California, 18-24 in.	per 1000, $20.00
" " 2-2½ ft., bushy, 2-year	" 30.00
" " 3-4 ft., heavy	" 50.00
" " 4-5 ft., heavy	" 80.00

ROSES

ROSE, Hunter, new, $1.50 each. (See wholesale list.)
ROSES. (See list of varieties and prices in wholesale list.)
CRIMSON RAMBLERS, 18 in. to 2 ft., own roots, $6.00 per 100.
100,000 ROSES in 2-in. pots. (See wholesale list for varieties.)
ROSES, 3 and 4-in. pots. (See wholesale list pages 12 and 13 for varieties and prices.)

100 Varieties of Herbaceous Plants

(See wholesale list pages 16, 17, 18, 19 and 20.)

Young Stock for Transplanting

(For varieties and prices see pages 21, 22 and 23 of our wholesale list.)

PHLOX, Field-Grown

(See wholesale list for prices and varieties.)

20,000 2-in. pot plants, $3.00 per 100; $25.00 per 1000. (For varieties see wholesale list.)

CREEPING PHLOX, pink and white, $5.00 to $15 per 100.
" " pot plants extra fine, blooming now, well rooted, $3.50 per 100; $30.00 per 1000.

Cannas, Coleus, Geraniums

Prices on application.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

At Reduced Prices.

STOYE & STEELE, Shrewsbury Nurseries, Eatontown, N. J.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

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30,000 DAHLIAS

Whole field-grown roots, Show and Cactus, 50 est varieties, $4.00 per 100; $38.00 per 1000. Send or list. We can save you money.

FUCHSIAS

Black Prince, White Giant and other good Single nd Double vars., $1.25 per 100, postpaid, $10.00 per 000 by express. Satisfaction Guaranteed.

. B. DAVIS & SON, Purcellville, Va.

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DAHLIAS.

25 leading varieties, all under name, gurranteed rue, including the best sorts in cultivation, such as lifford W. Bruton, A. D. Livoni, Nymphæa, Lemon iant, Fern Leaf Beauty, Snow Clad, White Swan, rank Smith, etc. We offer **HEAVY FIELD LUMPS JUST AS DUG. $5.00 per 100, 45.00 per 1000.**

he Dingee & Conard Co., West Grove, Pa.

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ISMENE CALATHINA

(Pancratium)

n Bloom for Decoration Day

Bulbs, 15 cts. each; $1.50 per doz.

. LANDRETH & SONS

Florist Department

217 Market St. Philadelphia, Pa

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heodosia B. Shepherd Co.

VENTURA-BY-THE SEA, CAL.

	Per oz.	Per lb.
osmos, Giant fl., splendid mixed...	$0 40	$3 00
obæa Scandens...	30	2 50
entaurea, Imperialis...	40	
" Marguerite, giant white	50	
" Chameleon, yellow...	60	
eliotrope, choice mixed...	40	4 75
arfugium Grande, seeds and plants sold out.		
omneya Coulteri...	50	6 50
eranium, "Good Venture," magnificent large flowers, grand mixed. ...Per pkt., 25c.	3 50	
eranium, large fl., splendid mixed	2 00	
	100 seeds.	1000 seeds.
" double, splendid mixed...	$0 50	
eranium, Apple-scented...		$0 75
etunia, fringed, hybrida, choice mixed...		25
etunia, new double fringed, choice mixed...		70
hormium Tenax, var...		1 00
oleus, choice mixed...		20
yperus alternifolius, $1.00 per oz.		

Mention the Florists' Exchange when writing.

CANNA ROOTS

Home grown, strong roots, 2 and 3 eyes each, in erfect condition, and strictly true to name.

25 of a variety at 100 rates; 250 of a variety at 00 rates.

	100	1000
dmiral Schley, 3 ft., red	$5.00	
llemania, 6 ft., gilt edge...	2.00	$15.00
ustria, 6 ft., yellow	2.00	
uttercup, 2½ ft., yellow..	4.00	
has. Henderson, 3 ft. red	2.00	15.00
rimson Bedder, 3 ft., best red.	2.50	
gandale, 4 ft., bronze	3.00	25.00
lorence Vaughan, 5 ft., yellow.	2.50	20.00
olden Bedder, 2½ ft., yellow. ..	2.50	20.00
. D. Cabos, 4½ ft., bronze	2.50	20.00
. T. Lovett, 5 ft., red, best foliage	2.50	20.00
eopard, 4½ ft., yellow spotted	3.00	
me. Crozy, 3½ ft., gilt edge.	2.00	18.00
me. Molin, 3½ ft., red	2.50	
idway, 4ft., red	2.50	
rs. Eisele, 6 ft., apricot	3.00	25.00
rs. Kate Grey, 6 ft., red	6.00	
lympia, 3 ft., red.	3.50	
aul Bruant, 4 ft., red	2.50	
ennsylvania, 6 ft., red	8.00	
res. Carnot, 4 ft., bronze	2.50	20.00
res. McKinley, 3 ft., red..	2.50	20.00
luto, 3 ft., bronze...	2.50	
ueen Charlotte, 4 ft., gilt edge	2.50	20.00
est Grove, 4 ft., coral pink.	5.00	
hite Lady, 5 ft., white ...	3.00	
ebra, 4 ft., yellow and brown	5.00	
ixed, dwarf or tall, all colors mixed	1.50	12.00

Circular describing each variety, mailed free. rompt delivery. Cash with order.

J. T. LOVETT

ittle Silver New Jersey

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BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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RAWSON'S Arlington Tested Seeds

W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON MASS

FOR THE FLORIST

CATALOGUES MAILED FREE.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

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SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

Robusta Canna

EXTRA STRONG DORMANT ROOTS.

$2.00 per 100; $15.00 per 1000.

See our other ads. in this issue.

R. VINCENT, Jr., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Cycas Stems

NEW STOCK

ALL SIZES

Prices: 100 LBS. @ 8¢ 200 LBS. @ 7½¢ 500 LBS. @ 7¢

VAUGHAN'S SEED STORE,

14 BARCLAY ST, NEW YORK. 84-86 RANDOLPH ST., CHICAGO.

Mention the Florists' Exchange when writing.

Groff's Hybrid Gladioli

Guaranteed Genuine

	Per 1000
Blooming Bulbs, 1 inch and up ...	$12.00
Medium (will bloom), ½ to 1 inch...	6.00
Small Bulbs, ½ inch and under...	3.00

BULBLETS, $1.00 per 1000; 2000 for $1.50

Ideal Mixture, a fine florist mixture. Made up of selections of five years' careful growing of many named varieties, choice seedlings, etc., and contains a large per cent. of white, light and yellow vars. at one-third price of Groff's. Also a limited quantity of seed saved from the choicest marked flowers of Groff's, Childsii and Gandavensis vars., at 10c. per pkt., 3 pkts. 25c. Bulblets and seed prepaid. Bulbs at purchaser's expense. Cash. Satisfaction guaranteed. 500 at 1000 rate

EDGAR P. WALTZ,

General Delivery, Akron, Ohio

Mention the Florists' Exchange when writing.

CANNAS

Our Stock is true to name, extra selected, 2, 3, 4 eyed roots

	100		100
Alphonse Bouvier	$2.00	Italia ...	$2.50
Austria ...	1.50	John White...	2.00
Allemania ...	3.00	Mme. Crozy. ...	1.50
Alba rosea. ...	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant .	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty new	8.00	President Cleveland	2.00
Coronet ...	1.50	Robusta, bronze leaf	2.00
Comte le Bouchard	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture, 1000 $10.00...	1.00
Egandale, red leaf	3.00		
Florence Vaughan	2.50		

DAHLIAS

Field grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O.,

BALTIMORE, MD.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

Mr. and Mrs. Philippe de Vilmorin, of Vilmorin, Andrieux et Cie., of Paris, are at present sojourning in Tokio, Japan.

ELIZABETH CITY, N. C.—M. L. Davis has opened a seed store on Water street.

ROCKFORD, ILL.—H. W. Buckbee Seed Company is to erect a four-story seed house for the accommodation of the concern's constantly growing business.

INDIANAPOLIS, IND.—The Everitt Seed Company has been incorporated with a capital stock of $150,000. A. Eshbach, formerly manager of the Vail Seed Company, is one of the new active members of the firm. I. B.

TORONTO.—The Steele Briggs Seed Co. has purchased the business formerly owned and conducted by J. M. Perkins at Winnipeg, and it will in future be run under the company's name. E. F. Crossland has been appointed manager of the Winnipeg branch.

PHILADELPHIA, PA.—Fifty bushels of sugar corn seed were sold for $620 March 23 by a Market street seed dealer. Forty bushels brought $13 a bushel and the remainder $10. These prices are the highest ever recorded and are due to the failure of the crop last year. Stocks of these seeds are very low and quotations are being firmly held.—New York Times.

ST. PAUL.—The warm weather has kept everyone on the move, and orders are being filled and shipped as rapidly as possible. Fabulous prices are being offered for Evergreen sweet corn, but there is none to be had, and many fields will not be planted owing to lack of seed.

European shipments are still arrivin and are very welcomely received, even at this late date.

Grass seeds are selling freely, but oats and potatoes move slowly.

Field corn is reported scarce, as many large lots failed to germinate.

VERITAS.

The Old Farmer's Almanac says, "About this time look out for showers and mild weather." The seedsmen of the country who handle bulbs say, "About this time look out for the Dutchman." They are again here in large numbers, and a great many of them with long faces, as a result of their visits to the florists, to whom they sold bulbs last season. The scarcity of coal, and, on the whole, rather unfavorable weather during the Winter, have made bulb growing for the American market a trifle unprofitable this season; and the Dutchmen are wondering where the money is coming from to pay them.

None of these Hollanders yet seems able, or willing, to quote close prices for this Fall's shipments. They report that spiræa will be higher in price; that the leading kinds of narcissus and hyacinths have suffered by the weather, consequently will be in short supply and have a higher market value than last season. They also say that several varieties of tulips are scarce, especially red shades, and that the prices on these will advance also. Altogether, they expect to obtain more satisfactory figures than they have done for several years.

The French situation is peculiar. The dealers who buy from the growers and export are a combine. The growers are also a trust—the one holding out for low and the other for high prices. Neither of them seems willing to make concessions.

It seems likely that Narcissus Paper White grandiflora will sell at from $1.00 to $2.00 higher than they did last Spring. The price the Frenchmen are

NARCISSUS AND DAFFODILS

For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST RECEIVED

Fresh Seed of

Latania Borbonica

Price, 60c. per lb., 10 lbs. for $4.50, 25 lbs. an over at 40c. per lb.

Price list of flower seeds for Florists mailed on application,

J. M. THORBURN & CO.

36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

TRADE OFFER

First Season

NEW CACTUS DAHLIA

Katherine Duer

We are headquarters and control the stock of this handsome, decorative Cactus Dahlia, which was in such demand at Newport last season, for table decoration, etc. A limited quantity of large fine tubers $50.00 per 100, $8.00 per dozen. Spring struck plants 2½ and 3 inch pots, prices on application. Supply limited. Also an extra choice selection of the **NEW QUILLED TYPES** dormant tubers, from the largest and best collection in the world. Write for catalogue and prices to

THE GEO. A. WEAVER CO.

NEWPORT, R. I.

Mention the Florists' Exchange when writing.

WE ARE NOW BOOKING ORDERS

FOR

CALLA BULBS

For 1st of August Delivery.

California Carnation Co., Loomis, Cal.

Mention the Florists' Exchange when writing.

asking for white Roman hyacinths is 100 francs and over. This figure, when expense of shipment to the seaboard, port expenses at Marseilles or other French port, ocean freight and duty, are added, will prohibit the American florists from planting white Roman hyacinths next September.

The recent reports from Bermuda indicate that the supply of both Harrisii and longiflorum lily bulbs will be shorter than a year ago. The bulbs will be later in ripening, and the quality better. If American florists could only make up their minds to await shipment until the end of August, or early September, instead of June or July, there would be less complaint of disease and non-rooting and flowering than there is now.

From Japan the news is that the larger bulbs of all varieties are scarce; longiflorums 5 to 7 and 7 to 9 will hold about at last year's figures; sizes above these, 15 to 25 per cent. higher than they were a year ago. There is also a difference in the prices of all L. speciosum and auratum, but especially on the 9 to 11 and larger bulbs.

A.

European Notes.

Climatic conditions remain much as last mentioned, some heavy showers of rain serving, however, to keep cultivators off their ground, which is, perhaps, a blessing in disguise, as early sowings would surely bring many failures, and merchants would be unable to supply several important items in the renewed requirements.

In England it has stopped the sowing of stock pease—a very important matter. This is without doubt a good thing, as there will not be so much chance of their rotting or being caught by late frosts, and as the vitality is not of the best this year, a bad start would certainly destroy a large percentage of them.

EUROPEAN SEEDS.

French Bulbs.

Editor Florists' Exchange:

One of the puzzles at present confronting the florists of America and Canada is the price charged for Roman hyacinths by the French growers, and it has struck me that something must be done to cope with the wily growers in France, who seem never to know when they get enough for their bulbs. At present, prices are not fixed, and the figure asked is twenty to twenty-two dollars per thousand. Can any grower make any money growing Roman hyacinths at this price, even provided the crop is good and all the flowers are sold? Remember this is the price charged in France!

Now, the matter lies entirely in our own hands; and when American cultivators realize this fact, we can bring the French growers to sell their bulbs at a reasonable figure where it will pay them and pay the growers on this side. Let us join hands in doing without Roman hyacinths for one year and the thing is done. No one will by this act suffer in any way. Roman hyacinths are not such a necessity as would at first sight appear, and the country would never miss them for a year or more. What say you to this proposal, brother florists across the line and in Canada? I am willing to join any company of men to accomplish this end. I would like to hear from others on this matter, for as yet there is plenty of time; but remember it must be done by all, or none at all.

S. S. BAIN, Montreal.

IMPORT FREIGHT AGENTS DELAWARE, LACKAWANNA & WESTERN RAILROAD CO.

F. B. Vandegrift & Co.

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CHICAGO: 315 Dearborn St.
Telephone 840 Harrison

IMPORTING: Do you import plants, bulbs, seeds, etc.? If so, we take this opportunity of presenting our House to you, both in New York and Chicago, for attending to your Custom House business and forwarding.

OCEAN FREIGHTS: We are the largest forwarders of plants, bulbs, seeds, etc., in the United States, and by reason of the vast quantity of goods we handle we are, at all times, able to secure the lowest rates of ocean freights and shipping charges. Rates on application.

FOREIGN AGENTS: We have agents in all of the principal ports in the world, through whom your goods could be shipped for consignment to us, and we would be pleased to give you their names and full shipping directions on application.

MARINE INSURANCE: We can attend to Marine Insurance on all shipments consigned to us by having an open Marine Insurance Policy, which covers goods from the time they are shipped abroad until they are delivered to the Importer's stores or Warehouse. We will be pleased to give rates on application.

FORWARDING: We are the Import Freight Agents of the Delaware, Lackawanna & Western Railroad Co., at New York, and ship over various other lines. We attend to forwarding of goods promptly on arrival of vessel. We can pay duties and freights at New York and charge forward on goods or forward in bond, where shipments are destined for an interior port where there is a Custom House.

CONSIGNMENT: We would suggest in order to avoid delays and extra expenses that you have your shipments consigned directly to us at New York City.

Correspondence on all subjects relating to importing merchandise solicited

H. DEN OUDEN & SON
NURSERYMEN
Boskoop, Holland

beg to announce that their

Wholesale Catalogue

of Ornamental Trees, Plants, Shrubs, Conifers, Hardy Azaleas, Rhododendrons, Roses, Clematis, Box Trees, Peonies, etc., has been mailed to the trade. A copy will be sent on inquiry to those who may not have received it.

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

ENDTZ, VAN NES & CO.,
Boskoop, Holland

Beg to announce to the Trade that their Mr. Endtz will be in the United States from March 17 until May 6. Please address all communications care of

Messrs. MALTUS & WARE
136 Water Street, New York.

Mention the Florists' Exchange when writing.

"From the Boskoop, Holland, Nursery Association."

1000 AMERICAN BEAUTY ROSES

25,000 General Jacqueminot, Baroness Rothschild, Magna Charta, Hermosa, Paeonia, Ulrich Brunner and other leading varieties

10,000 Hardy Azaleas and Rhododendrons, fine budded plants

Altheas, Deutzias, Aristolochias, Clematis, Honeysuckles and other ornamentals. Prices on application

C. H. JOOSTEN, Importer, 178 Chambers Street, New York

Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

TO CLEAR GROUND

5000 **Maple** and other **Shade Trees,** 1 to 6 inches. 2000 large **Shrubs** and **Evergreens,** from 4 to 15 ft. 50 **Black Walnuts,** 1 to 6 in. 20,000 **California Privet,** for hedging. 2000 **Privet,** 5 to 7 ft., 25 for $5.00. 10,000 **Dahlias,** good colors, $20.00 per 1000. 5000 **Madeira Bulbs,** as they run. $5.00 per 1000.

Any of the above delivered in New York or Brooklyn the next day after leaving the nursery.

Bargains for anyone wanting large stock. Smith Street Line from Bridge to Avenue L.

F. A. BOLLES, Lawnwood, **Brooklyn, N. Y.**
East Tenth Street and Avenue L.

Mention the Florists' Exchange when writing.

DAHLIAS

Field-grown, Undivided Clumps
$2.00 per 100
Until Surplus is Sold

FLORISTS' VARIETIES
A. D. LIVONI, show, shrimp pink.
C. W. BRUTON, decorative, clear yellow.

CLEMATIS PANICULATA
Heavy 3-year plants, $4.00 per 100

AKEBIA QUINATA
6 to 8 ft., 4.00 per 100.

YUCCA FILAMENTOSA
Strong, $4.00 per 100.

THE ELM CITY NURSERY CO.
New Haven, Ct.

Mention the Florists' Exchange when writing.

FINE GRAFTED **ORANGES** BEARING SIZES

12 in., Bushy, from 4-in. pots..........$20.00 per 100
15-18 in., " " " .... 30.00 "

KIN KANS.
10-12 in., Bushy, from 4 in. pots........$20.00 per 100

LEMONS.
12-15 in., Bushy, from 4-in. pots.......$20.00 per 100
18-24 in., " " " .... 30.00 "

ORANGES, LEMONS, LIMES.
Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each.

ROSES.
Climbing Clothilde Soupert,
Strong field-grown..................$10.00 per 100

CLEMATIS APIIFOLIA.
A fine variety, somewhat similar to C. Paniculata, but blooms Earlier and Lasts Longer—Strong plants from 3-in. pots.......$8 00 per 100

FICUS ELASTICA (Top Cuttings).
10-12 in.................................$20.00 per 100

KENTIA BELMOREANA.
12-15 in., 5 ch. lvs, 3-in. pots...........$18.00 per 100

Phœnix Reclinata and Farinifera
12-15 in., 4-in. pots ....$15.00 per 100
(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).
2-3 eyes to each division, best sorts...$15.00 per 1000
(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta Ga.
(Established in 1856.)

Mention the Florists' Exchange when writing.

The Wholesale Nurseries of Jackson & Perkins Co. NEWARK New York

LIST OF SPECIAL SURPLUS

For Complete Price List get our April "Bulletin," sent free on application, but only to the Trade. Use printed stationery to show you are entitled to it. Boxes and Bales charged at cost.

ROSES

Field-grown, on own roots, strong.

Caprice, La Reine, Magna Charta, Victor Verdier, $10.00 per 100; Mme. Plantier, extra strong, $7.50 per 100. Crimson Rambler, 24-30 in., 2-4 branches, $7.00 per 100.

CLIMBING VINES

	Per 100
Ampelopsis Quinquefolia, 3 years, strong	$4 00
" Veitchii, 3 years, strong	10 00
" " 2 "	8.00
" " good medium grade	6.00
Akebia Quinata, strong plants	5.00
Clematis, 2 years, strong.	
Double Blue and Kermesina (red)	15 00
Jackmanni and Mme. Veillard (pink)	18 00
" good medium grade	12 00
Paniculata, strong; per 1000, $55.00	6.00
Henryii and Mme. Ed. Andre	22.00

Ornamental Shrubs

Althea, variegated-leaved, 18-23 in	8.00
Deutzias, assorted, 3-4 ft	6.00
" " 2-3 ft	5.00
Elder, golden-leaved, 3-4 ft	8.00
Hydrangea Pan. Grand, 3-4 ft	10.00
" " 2-3 ft	8.00
" " standards, fine	16 00

ORNAMENTAL SHRUBS—Continued

	Per 100
Japan Quince, 2-3 ft	$5.00
Privet California, 12-18 in., bushy, per 1000 $12.00	1.50

(We have a large stock of this valuable hedge plant, and are prepared to make attractive figures for considerable quantities.)

Japan Snowball, 2-3 ft	$16.00
" " 18-24 in	12 00
Spiræa, A Waterer, 24-29 in	10 00
" " " 12-18 in	6 00
" Bumalda and Callosa Alba, 12-18 in.	4 00
" Douglasi and Reevesii	5.00
Syringa (*Philadelphus*) Dianthus-flowered, 18-24 in.	5.00
Syringa, Le Moine's, 24-30 in	6.00
" Common, 3-4 ft	6.00
Weigelia Variegata, 2-3 ft	8 00
" " 18-24 in	6 00

ORNAMENTAL TREES

	Per 100
Alder, European, 8-10 ft	$12.00
Ash, European, 8 10 ft	12 00
Beech, purple-leaved, 3-4 ft	35 00
" " 2-3 ft	30 00
Birch, yellow, 8-10 ft	15.00
Catalpa Speciosa, 8-9 ft	10 00
" " 6-8 ft	7 00
" " 5-6 ft	6.00
Elm, American, 8-10 ft	16 00
" " 7-9 ft	12.00

ORNAMENTAL TREES—Continued

	Per 100
Elm, English, 8-10 ft	$15.00
" " 6-8 ft	12.00
Horse Chestnut, red fig. and double white, 3-4 ft	12 00
Linden, broad leaved and European, 8-9 ft.	25.00
" " " " 6-8 ft.	20.00
Maple, Ash-leaved (Negundo), 8-10 ft	10 00
" " " 6-8 ft	8.00
" English (cork-barked) 6-8 ft	20.00
" " " " 5-6 ft	15.00
" Weir's Cut-leaved, 8-10 ft	16.00
" " " 6-8 ft	14.00
Mulberry, Russian, 8-10 ft	10.00
Poplar, Carolina, 10-12 ft., scarred	8.00
" " 8-10 ft., "	6.00

These "scarred" Poplars are some that have small rough places near the roots. They are, except for these marks, good, smooth trees, and the scars will grow over within a few years after planting.

Strawberry Tree (Euonymus), 5-7 ft	$10.00

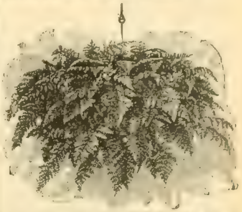
KENTIA SEEDS

BELMOREANA, FORSTERIANA

Fresh seed. Direct importation. Due to arrive within ten days, **$3.50 per 1000; $30.00 per 10,000.**

Japanese Fern Balls

$17.00 per 100, 7-9 in. diameter. We have some overstock and for a short time we offer them at the above figure in order to reduce stock. Only immediate orders will secure this price as it will be advanced as soon as surplus is reduced. They are as fine stock as was ever imported.



ASPARAGUS SPRENGERI, 2¼ x 3½ inch pots, **$3.00 per 100; $25.00 per 1000,** strong, well-established plants; splendid value.

JACKSON & PERKINS CO. NEWARK NEW YORK

250 of a variety will be supplied at 1000 rates and 25 at 100 rates, when the total order amounts to $25 or more we will supply 10 of a kind at 100 rates, but we cannot undertake to supply long and much assorted lists of stock calling for only small numbers of each kind, save at an advance of 10 to 15 per cent. above our printed rates.

Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.

Wistaria, Chinese, blue, 1 yr. $2.00 per 100 $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.

Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.

Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100; $12.00 per 1000.

Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.

Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.

Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

ENGLISH IVY

Extra Fine Plants

Out 5-inch pots, 2 plants to pot, 6 feet and more high, bushy, $25.00 per 100; 4-inch pots, $10.00 per 100.

CASH PLEASE.

CHAS. ZIMMER,
West Collingswood - N. J.

Mention the Florists Exchange when writing

MINNESOTA GROWN

Hardy Ornamental Stock.

3,000 SYRINGAS (Philadelphus), 18 to 30 in. and up, 8 cts. In the following varieties: Opulifolia, Zeyheri, Grandiflora, Lemoinei, Golden.

4,000 SPIRÆAS, 24 to 30 in., strong, 7 cts. In the following sorts: Douglassi, Van Houtti, Anthony Waterer, Billardi, Prunifolia.

500 CLETHRA, or SWEET PEPPER BUSH, 2 feet and up, 7c.

1,000 FLOWERING CURRANTS, 24 to 30 inches, 7c.

1,500 ALTHEAS, 18 to 30 inches, 10c. **Choice Named Sorts,** single and double.

2,000 CLIMBING HONEYSUCKLES, strong, 2 years old, 8c. Scarlet Trumpet, Hall's Japan, Chinese Twining, Monthly Fragrant.

2,000 MATRIMONY VINE, extra strong and heavy, 5c.

500 GOLDEN ELDER, 2 feet strong, 8c.

1000 PURPLE BERBERIS, 18 to 24 inches, very fine, 8c.

1000 DEUTZIAS, 18 to 24 inches and up, strong and stocky, 7c. Candidissima, Crenata, Gracilis, Pride of Rochester, Waterer.

500 UPRIGHT HONEYSUCKLES, red and white, 3 to 5 feet, 10c.

1000 HYDRANGEA PANICULATA GRANDIFLORA, 18 to 24 inches and up, 10c.

2,000 GOLDEN GLOW, strong, field-grown, 3c.

HARDY HEDGING—
2 400 Caragana or Siberian Pea Tree, 4 to 8 in., 1c.
2,200 Russian Olive, 4 to 8 in., 1c.

The above stock is dug and cellared ready for immediate shipment.

FINE FOR LANDSCAPE WORK.

L. L. MAY & CO., Nurserymen, Seedsmen and Florists, **St. Paul, Minn.**

Mention the Florists' Exchange when writing.

75,000 CHOICE PERENNIAL PHLOX 75,000

ONE OF OUR LEADING SPECIALTIES

Strictly first-class varieties, distinct and decided colors; strong, field-grown plants that were cut back and potted up into three-inch pots late in the fall, with from 3 to 6 eyes, that will make a better display of flowers than plants dug from the field; this stock must not be confounded with small winter propagated plants, such as are usually sent out.

Athis, deep pink, overlaid salmon, crimson eye.
Andreas Hoffer, a fine early white.
Aquillon, carmine rose, shaded salmon, crimson eye.
Bridesmaid, pure white with large crimson eye.
Beranger, white, suffused pink, crimson eye.
Blanc Nain, large dwarf white.
Bouquet Fleur, white, with deep rose eye.
Crystal Palace, white, with lilac markings and center.
Cross of Honor, magenta, bordered white, in the form of a Maltese cross.
Cyclon, white, suffused rosy lilac, dark rose eye.
Champs Elysee, fine rich purplish crimson
Duguesclin, white with dark crimson center
Eclaireur, purplish crimson, very bright, with light halo.
Esclarmonde, lilac suffused white, deep rose-colored eye
Etoile du Nord, purplish crimson.
Eugene Danzenvillier, lilac with white edge and center.
Faust, pure white with cherry-red eye.
Henry Murger, white with bright rose eye.
Jeanne D'Arc, a fine late white.
Jules Finger, tender rose with deep rose eye.
Lilipot, bright magenta with crimson eye.
La Fondre, deep purplish crimson.
La Nuit, deep purplish crimson.
La Vague, soft rosy pink with red eye
Lothair, salmon-red with carmine eye.
Mlle. Marie Kuppenheim, a good dwarf, pure white.
M. Marey, salmon rose with deeper center.
Marquis de St. Paul, deep rose, overlaid salmon.
Michael Cervantes, pure white with bright red eye.
Mrs. Dora Umgeller, rich deep rose; a strong variety.
Moliere, salmon rose, deep rose eye.
Nettie Stewart, pure white, occasionally marked rose
Ornament, rosy magenta with crimson eye
Professor Schlieman, salmon rose with carmine eye
Peach Blow, delicate pink with white markings.
Pantheon, fine deep salmon rose, free and effective.
Pacha, deep rose with bright eye.
P. Bonnetin, magenta overlaid salmon.
Robert Werner, tender rose with deep rose eye.
Semiramis, purplish magenta.
Simplon, white suffused lilac, dark rose center.
Sylphide, light rose and white, with deep center.
Schlossgartner Reichenau, bright rose, dwarf and free.
Sunshine, salmon pink with deep red eye.
Thebaide, dwarf salmon red with crimson eye.
Wm. Muhle, salmon pink with dark crimson eye.
Zouave, largest purplish crimson, red eye.

Any of the above varieties, 75c. per doz.; $6.00 per 100; $50 per 1000

THREE CHOICE RED PHLOX VARIETIES THAT ARE ALWAYS SCARCE

COQUELICOT, a fine pure scarlet with deep carmine eye
JOCELYN, bright salmon red, very brilliant
MATADOR, Bright orange scarlet, cherry-red eye
$1.00 per doz.; $8.00 per 100

For anything that you may require in the line of **HARDY PERENNIALS** refer to our Wholesale List, which is mailed free to the trade.

HENRY A. DREER, Philadelphia
714 CHESTNUT STREET.

SPECIMEN CONIFERS

	Each
ABIES Alcockiana, 3 to 4 ft	$2 50
Fraseri, 4 to 5 ft	3 00
Concolor, 2½ to 3½ ft	1 75
Pendula, 3 to 4 ft	1 75
Normanniana, 3½ to 4 ft	2 50
Orientalis, 3 to 4 ft	3 00
PINUS Mughus, 2 to 2½	75
RETINOSPORA obtusa, 2 to 3 ft.	1 25
Obtusa nana aurea, 2 to 3 ft.	1 25
Pisifera, 3 to 4 ft	1 25
Pisifera aurea, 3 to 4 ft	1 50
TAXUS Baccata, 2 to 2½ ft	1 00
Hibernica, 2 to 2½ ft	1 00
THUYA Geo. Peabody, 2½ to 3 ft	1 75
Geo. Peabody, 3 to 3½ ft	3 00
" " 4 ft.	5 00
SCIADOPITYS verticillata, 2 to 3 ft	1 50
Verticillata, 3 to 4 ft	3 50

	Each
SCIADOPITYS verticillata, 4 to 5 ft	$7 50
Verticillata, 6 ft	10 00
KOSTER'S BLUE SPRUCE, 4 ft	7 50
BUXUS Bushes, 12 to 18 ins	25
18 to 24 ins	50
2 ft	75
3 ft	1 00
PYRAMIDS, 3 ft., slender	75
3 ft., fine	1 25
4 ft., fine	3 50
DWARF BOX, for Edging:	
2 to 4 ins	$2.50 per 100
4 to 6 ins	3.50 "
Small, for transplanting	1.50 "
AMERICAN ARBOR VITÆ	
3 ft., fine	10.00 "

1000 RHODODENDRONS. Ask for prices.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI, 2½ x 3½ inch pots,
$3.00 per 100; $25.00 per 1000
Strong, well-established plants; splendid value

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

COLORADO BLUE SPRUCE

Exquisite in form and Color. Transplanted.

Bluest specimens, 3 to 4 feet	$2.00 each
" " 2 to 3 "	1.00 "
Green specimens, 3 to 4 feet	40 cts. each
" " 2 to 3 "	25 cts. "

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

IRISH JUNIPER

Transplanted, 3 to 5 inches	$35.00 per 1000
" 5 to 8 "	40.00 "
" 8 to 10 "	50 00 "
" 12 to 18 "	70.00 "
" 18 to 24 "	90.00 "

Jenkins Evergreen Nurseries
Winona, Columbiana Co., Ohio

Mention the Florists' Exchange when writing.

Native Ornamental Trees

Shrubs, Plants, Vines and Ferns, Cornus Florida, Prunus Pennsylvanica, Betula Papyracea, Hepatica, Lysimachia Nummularia, etc.

Send for Trade List.

SACKETT BROS., Lebanon Springs, N.Y.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

View of one of our blocks of California Privet, 1-year-old, 1-2½ ft., $15.00 to $25.00 per 1000

The Glenwood Nurseries

offer the finest **TREES,** both

EVERGREEN and DECIDUOUS,
FLOWERING SHRUBS and VINES

of all sizes in general assortment.

New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

Mention the Florists' Exchange when writing.

TREES

Fruit and Ornamental.

Shrubs
Roses
Hardy Plants

All the Best and Hardiest Varieties.
Largest Collections in America.
Illustrated Descriptive Catalogue
FREE on Request.

ELLWANGER & BARRY,
Nurserymen—Horticulturists.
MOUNT HOPE NURSERIES,
Rochester, N.Y.

Established 1840. Mention this paper.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIEL
NEW JERSE

Wholesale Growers **TREES AND PLANTS** in full assortment **Trade Catalogu Free.**

Mention the Florists' Exchange when writing.

ENGLISH IVY. From 4 to 5 feet high, fine bushy plants in 4 inch pots, per 100, $12.00; per 1000, $110.00. **PANSIES** in full bloom for Easter, per 1000, $30.00. Pansy Seed, genuine Mme. Perret, per trade pkt. 50 cents; oz. $5.00.

P. WENK, Clinton Ave.,
Ozone Park, L. I., N. Y.

Mention the Florists' Exchange when writing.

HARDY PLANTS

FROM NURSERY BEDS

Any of the following as long as stock lasts at **$4.00 per 100,** except where prices are given.

Spiræa astilboides, Veronica gentianoides, Viola pedata bicolor, Aquilegia oxysepala, Delphinium grandiflorum (Chinensis), Dracocephalum grandiflorum, Digitalis lanata, Gaillardia grandiflora, Helianthus orgyalis, Papaver nudicaule, Primula officinalis, Silene, Pennsylvanica, Linum flavum, Ilex verticellata, Iris Sibiica, blue, $3.00 per 100; **Iris cristata,** $3.00 per 100; **Mertensia Virginica,** $3.00 per 100; **Bellis perennis,** $3.00 per 100; **Dianthus plumaris,** single, $3.00 per 100; **Double Buttercups,** $3.00 per 100; **Œnothera fruticosa,** strong, $3.00 per 100; **Pentstemon barbatus,** $5.00 per 100; **Pentstemon grandiflorus,** true, $5.00 per 100; **Trillium grandiflorum,** $2.00 per 100; **Vinca minor caerulea.** $2.00 per 100.

H. S. HORSFORD,
Charlotte, Vermont.

Mention the Florists' Exchange when writing.

NORWAY MAPLES 3½x4 inches, 11x12 ft hig two-year heads, extra fine f landscape work, $2.50 each; $2.25 per 100. The were topped two years ago to 8 ft. high, **SILVER MAPLES** straight and fine, per 100: 1½ inches, $22.00: 2x2½ inche $30.00, 2½x3 inches, $40.00; 3x3½ inches, $50.0 Packing at cost. Packed in bulk, in cars, free.

Kramer Bros., Farmingdale, L.I., N.

Mention the Florists' Exchange when writing

NORWAY SPRUC

Transplanted 1½ to 2 feet, $35.00 per 1000.
Second grade, not so well feathered or filled,
HALF PRICE.

Transplanted 1 to 1½ feet, $20.00 per 1000.
Second grade, not so well feathered or filled,
HALF PRICE.

2-year seedlings, $3; 3-year seedlings, $5 per 100

JENKINS EVERGREEN NURSERIE
Winona, Columbiana Co., Ohio.

Mention the Florists' Exchange when writing

To Dealers

We have a surplus of **ARBOR VITÆ,** 6 ft three times transplanted. Also a few thousan **PEACH,** first class stock, mostly Elbertas an Crawfords. Will be sold low.

COMSTOCK & LYON, Norwalk, Conn

Mention the Florists' Exchange when writing

SURPLUS STOCK

2000 Mme. Crozy, 2000 Chas. Henderso **Cannas,** fine stock, $40.00 for the lot

5000 Citrus Trifoliata Seedlings, 8-1 inches, $5.00 per 1000.

10,000 California Privet. nice, stock plants, 15-36 inches, $8.00 per 1000.

F. O. B. Jacksonville. The Privet delivered i New York City for $9.00 per 1000.

MILLS, THE FLORIS
Jacksonville, Fla.

Mention the Florists' Exchange when writing

CALIFORNIA PRIVET

Fine, bushy plants, 12-18 in. tall

$10.00 per 1000
$90.00 per 10,000

Jackson & Perkins Co.
NEWARK NEW YORK

ention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

ention the Florists' Exchange when writing.

Strawberries

Forty varieties, from $1.00 to $2.50 per 1000.

SPARAGUS Strong one-year, 50c. per 100; $2.00 per 1000. Two-year, 75c. per 0; $3.00 per 1000. Varieties—Palmetto, Barr's and iant Argentina.

Also other Small Fruits, Plants, etc.
Send for Price List.

HAS. BLACK, Hightstown, N. J.

ention the Florists' Exchange when writing.

NTIGONON LEPTOPUS

(Mountain Rose.) Our specialty.

ne-year-old, heavy roots..........$0 50 per doz.
wo-year-old, (limited number).... 1 00 "
ery nice, little plants, post paid.. 0 50 per 100

All from open ground. Plant out early to ecure early bloom.

HE BROOKS SISTERS, Growers of Bulbs, Plants and Seeds.
ORRENTO, - - - FLA.

ention the Florists' Exchange when writing.

---

hen in Europe come and see us and inspect our exnsive Nurseries. **Gouda is our railroad depot.**

Hardy, Fancy Ornamental Nursery Stock

. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the mous Colorado Blue Spruces—purest, bluest strain

ention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE F SEEDS** of American Conifers, Trees, hrubs, Palms, Cacti, Herbaceous Plants, c., has been mailed to the trade. A postal ill bring it to you.

INEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

ention the Florists' Exchange when writing.

---

000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
50 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
500 PEONY FRAGRANCE, $75. per 1000

HARLES LENKER, FREEPORT, L. I., N. Y.

ention the Florists' Exchange when writing

KOSTER & CO.

Hollandia Nurseries BOSKOOP, HOLLAND

ardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

Agents Catalogue free on demand. **No Agents**

ention the Florists' Exchange when writing.

UGAR MAPLES 10 ft., 1½ inch caliper, $20.00 per 100.

ickson Plum, fruiting size, $25.00 per 100.

undance, Burbank, and other varieties, ¾ grade and up, $15 00 per 100.

w Ward Blackberry, $5.00 per 100. All F.O.B.

e Year Palmetto Asparagus, $2.00 per 1000.

D. BAIRD, BAIRD, N. J.

ention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

H. S. TAYLOR COMPANY, Rochester, N. Y.—Price Lists of Nursery Stock.

J. M. McCULLOUGH'S SONS, Cincinnati.—General Seed Catalogue, 1903.

SAMUEL C. MOON, Morrisville, Pa.—Wholesale Trade List of Nursery Stock.

PETERSON'S NURSERIES, Chicago, Ill.—Price List of Trees and Shrubs. Illustrated.

P. LOUF AZ & CO., Boskoop, Holland.—Trade Catalogue of Nursery Stock Roses, etc.

THADDEUS N. YATES & CO., Philadelphia.—Catalogue of Nursery Stock, Fruit Trees, etc.

H. DEN OUDEN & SON, Boskoop, Holland.—Wholesale Trade List of Nursery Stock. Illustrated.

JOS. BANCROFT & SON, Cedar Falls, Ia.—Illustrated Catalogue of Plants, Seeds, Supplies, etc.

PERRY'S HARDY PLANT FARM, Winchmore Hill, London, Eng.—Catalogue of Border and Rock Plants.

HERENDEEN MANUFACTURING COMPANY, Geneva, N. Y.—Illustrated Catalogue of the Furman boilers.

J. GAMMAGE & SONS, London, Ont.—Wholesale List of Plant Novelties and General Florists' Stock. Illustrated.

STATE NURSERY COMPANY, Helena, Mont.—Illustrated Catalogue of Fruit and Ornamental Trees, Seeds, Supplies, etc.

EDWARD GILLETT, Southwick, Mass.—Illustrated Catalogue of Hardy Ferns and Flowers. A very complete and interesting catalogue.

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WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce, etc., specialties. Only house dealing exclusively in these goods. Correspondence solicited.

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CABBAGE and TOMATO PLANTS

Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.

Tomato L. Bentz, fine plants, $1.00 per 1000; 5000 for $4.00.

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Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

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From sand, all top cuttings, 6 to 8 inches long; well rooted, $1 50 per 100; $12 50 per 1000; $100.00 per 10,000. Samples free. Cash with order.

ALFRED FUNKE
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We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

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Continental Nurseries, **Rochester, N. Y.**

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Forced Sale of NURSERY STOCK

Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.

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O. E. RYTHER, Propr. NORWICH, CONN.

E. G.—Norway Maples, 12 ft., $25.00 per 100.

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PANSY Genuine Mme. Perret, per trade pkt., 50 cts., oz., $5.00.

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Oz., 15 cts.; lb., $2.00

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PANSIES

	100	1000
Royal Exhibition and **Giant Trimardeau**, in bud and bloom	$1.25	$10.00
	1.00	8.00
Bellis Perennis	.75	6.00
Blue Forget-me-nots	1.00	10.00
Verbenas, 2¼ in.	3.00	
Vincas, 4 in.	10.00	

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100,000 wintered over. Fine plants coming in bud, $2.50 per 1000; smaller size, $2.00 per 1000. CASH.

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PANSIES Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Cassier and Odier prize strains, 60c. per 100; $4.00 per 1000. Extra large plants, coming in bud, $1.00 per 100. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100; $8.00 per 1000. Asparagus, from flats, ready for potting: Sprengeri, $1.00 per 100, $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. Terms, Cash. **Hill Top Greenhouses**, 15-16 Gray Ave., **Utica, N. Y.**

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PANSIES WORTH RAISING

Fine plants from field, $5.00 to $20.00 per 1000, f. o. b. express here. Assortment very good.

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PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, extra fine transplanted plants out of cold frames, $3.00 per 1000, $25.00 per 10,000.

Bellis (Daisies). Largest double red and white, large plants $2.00 per 1000.

Gladioli. Finest light and mottled, large bulbs, $8.00 per 1000.

Semple's Aster Seed. My own raising, saved from the largest and most double flowers, only at $4.00 per lb.

Gustav Pitzonka, Bristol, Pa.

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PANSIES.

Finest strain in the world; captured first prize at London Horticultural Show for its exquisite brilliancy of color and large flowers.

60 cents per 100, extra large transplanted plants $4.00 per 1000.

Mammoth Verbenas, composed of twelve of the best varieties; rooted cuttings 75 cents per 100; $6.00 per 1000.

(All the above express prepaid.)

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PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

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100,000 PANSIES

(THE JENNINGS STRAIN)

Fine stock, all transplanted.

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100; 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100 by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds. Cash with order

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Lock box 254. Grower of the finest Pansies.

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Seasonable Stock

	Per 100
Adlumia, Cirrhosa, 2¼-in. pots	$3.00
Anemone Japonica, Alba, Elegantissima, Lady Ardilaun, Queen Charlotte, Rosea Superba, 2¼-in. pots	5.00
Strong field grown	10.00
Arundo Donax Var., strong divisions	15.00
Macrophylla Glauca, strong divisions	15.00
Begonia, Manicata, Aurea, 2¼-in. pots	8.00
Rex, 2¼ in. pots	5.00
Gloire de Lorraine (June delivery)	15.00
Boltonia, Latisquama, strong divisions	5.00
Campanula, Pyramidalis, 2½ in. pots	3.00

CANNAS

2-EYE DORMANT ROOTS.	Per 100
Chas. Henderson	2.50
Florence Vaughan, Pierson's Premier, Mme. Crozy, Queen Charlotte and Robusta	3.00
Philadelphia	4.00
Golden Bedder and Mme. L. Druz	5.00
Mrs. Kate Gray	8.00
Pennsylvania	10.00

Also many other varieties, both Novelties and Standard Sorts. Send us a list of your wants for prices.

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Our collection is unsurpassed in this country, containing all the desirable American and Foreign Novelties, as well as all the best exhibition and commercial sorts. Descriptions and prices on application.

	Per 100
Maximum Triumph, 2¼-in. pots	$3.00

Carex, Japonica Var., 2¼-in pots	3.00
Coreopsis Lanceolata, 2½-in. pots	2.50
Strong clumps	5.00
Crimson Rambler Roses, 3 ft. extra strong	12.00
Delphinium, Formosum, 2½-in. pots	3.00
Queen of Blues (Dwarf), strong clumps	6.00
Digitalis, Gloxiniaflora, 2½-in pots	3.00
Erianthus, Ravennæ, strong divisions	6.00
Eulalia, Gracillima, Japonica Var. and Zebrina, strong divisions	6.00
Eupatorium, Ageratoides (Hardy Ageratum), strong clumps	5.00
Gaillardia, Grandiflora, 2½-in. pots	2.50
Strong clumps	5.00
Helianthus, Maximiliana, Miss Mellish, Mollis, Multiflorus Plenus, Multiflora Maximus, Orgyalis, Rigidus and Tomentosus, 2¼-in. pots	3.00
Multiflorus Grandi-Plenus (Soleil d'Or), 2¼ pots	3.00
Clumps	6.00
Honeysuckle, Halleana, strong field grown	5.00
Isolepis, Gracilis, 2¼-in. pots	3.00
Monarda, Didyma and Fistulosa Alba, strong divisions	4.00
Moonflower, 2¼-in. pots	3.00
Oriental Poppy, 2½-in. pots	3.00
Phalaris. Arundinacea Var., 2¼-in. pots	2.50
Arundinacea Var., strong divisions	5.00
Pyrethrum, Hybridum, 2½-in. pots	3.00
Strong clumps	6.00
Rudbeckia, Golden Glow, 2½-in. pots	2.50
Golden Glow, strong divisions	5.00
Newmanii, 2½ in. pots	3.00
Strong divisions	6.00
Purpurea, strong clumps	8.00
Salvia, Splendens, Bonfire, Gigantea, Glory of Stuttgart, 2¼-in. pots	3.00
Splendens, Triumph (New)	5.00
Sedum, Spectabilis, 2¼-in. pots	4.00
Sweet William (Best English Strain), field-grown	5.00
2½ in. pots	2.50
Tritoma, Pfitzerii, strong divisions	10.00
Valeriana, Officinalis (Garden Heliotrope), strong divisions	5.00
Violets, Princess of Wales, from soil	2.50
Lady Campbell, from soil	2.50

Nathan Smith & Son
ADRIAN, MICH.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President, D. S. Lake, Shenandoah, Ia., Vice-President, George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

ST. PAUL.—L. L. May & Co. are getting busy at their nurseries near Lakeland. Their large storage cellars are well filled with stock dug last Fall, and they are daily receiving Spring importations from England, Holland, and France. They report a very encouraging catalogue trade, while their agency business has been larger than in many years. This firm makes a specialty of fruits and ornamentals particularly adapted to the Northwest.

VERITAS.

NEW ENGLAND ASSOCIATION OF PARK SUPERINTENDENTS. — The Executive Committee of the New England Association of Park Superintendents met in Worcester, Mass., March 18 and arranged for the annual Summer meeting of the association, to be held in Albany, N. Y., June 23, 24 and 25, returning by way of the Hudson. The party, which included Messrs. Fitts, of Providence; Egerton, of Albany; Anthony, of Taunton; Richardson, of Concord; Parker and Wirth, of Hartford, and Pettigrew and Duncan, of Boston, was treated to a trip through the Worcester system, including the new Hadwen Park, being ably guided by Commissioners Hadwen and Hart and Superintendent Hemingway.

D.

LIME—SULPHUR WASH FOR SAN JOSE SCALE.—In the West, especially in California, where the San José scale and similar insects have been a great menace to fruit growing, the Lime-Sulphur-Salt wash has become the dependable means of repression. Tested in the East, some years ago, it received an unfavorable report, as it seemed to wash off the trees by rains before exerting much destructive effect on the insects. But tests made by the Experiment Station at Geneva during the past season show that, properly made, it adheres to the twigs and limbs remarkably well, even during such exceptionally wet weather as we had last Spring.

In the tests more than seven hundred trees, in five orchards, scattered well over the State, were treated with this wash. Only in one instance, when the foliage was too far advanced, was there any injury to fruit, leaf or twig, and this damage was slight. When applied before the buds began to swell their opening was retarded a few days, but within two weeks or so all difference between treated and untreated trees, in this respect, had disappeared; but later the untreated trees continued to lose vigor and healthfulness through the work of the scale, while the treated trees were practically cleared of the pests.

The mixture is made by boiling together 40 pounds of lime, 20 pounds of sulphur and 15 pounds of salt, in about 30 gallons of water. Boil for two hours; then add more water to make 60 gallons, and apply while hot, using a powerful pump and good nozzle.

Tests of other washes and interesting laboratory experiments to ascertain the effect of the different ingredients of this Lime-Sulphur-Salt wash are also reported in a recently issued bulletin.

Hardiness of Chamaerops Excelsa.

Editor Florists' Exchange:

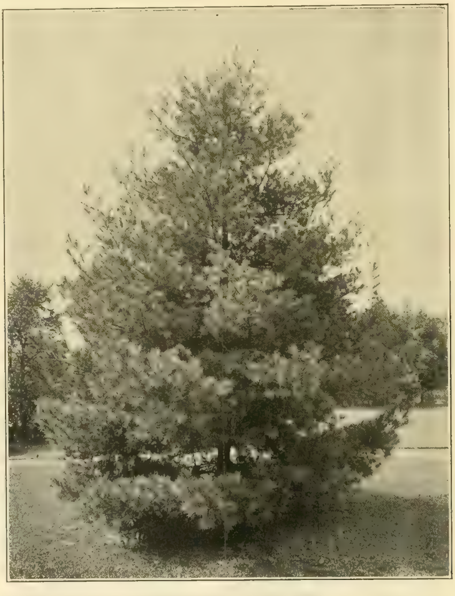
I always read with interest anything which comes from the pen of Mr. Meehan. Noticing he stated that Chamærops excelsa would stand 15 degrees of frost, I would like to say that I have one on my place which has been planted for four years. The past Winter has been very cold for Northern California, the thermometer going as low as eight degrees above. This has not hurt the plant in the least; but two years ago it froze the heart on the new leaf coming up, so that I took it with my finger and thumb and pulled it out quite easily, but could not tell the difference in two months afterward. The plant was not hurt at all.

I also have noticed that two plants, one of chamærops and one of Phœnix canariensis that I planted outdoors for a party four years ago have both lived until the past Winter, when the phœnix was killed outright, while the chamærops is as green as a Spring cabbage.

ABE CLEMO.

White Pine (Pinus Strobus).

The picture of the white pine, Pinus strobus, accompanying this note, is typical of the tree when in its young state. In many respects this pine is one of the most useful known, being not only highly ornamental on a lawn, but also good as a windbreak, and a most valuable timber tree. The photograph shows a tree on the estate of the late W. Walter Phelps, Esq., at Teaneck, N. J., and represents a tree planted ten years ago. From the general appearance of the tree it is safe to say it fairly represents a natural growth, without the assistance of a pruning knife. When desired to have such trees very bushy there need be no hesitation in using a knife. It does not object to a cutting in of its ends, and it responds by becoming so bushy that a bird could hardly get through it.



PINUS STROBUS—WHITE PINE.

The soft needles of the white pine call for its use in situations where the harsh ones of such sorts as the Scotch and the Austrian would not be tolerated; and then its silvery hue is very much in its favor.

What counts for much in its favor with planters is, that it transplants better than any other well-known pine. It has more roots of a fibrous nature than any other one known of those to be found in nurseries, and with but ordinary care it is pretty sure to grow, even when of a good size.

As a windbreak it is valued because of its hardiness and also because its needles, giving to the wind, are not damaged as are those of a rigid na-

Suggestions for the Season.

Examine well all bought in stock, to be safe from introducing San Jose scale and other insects. Cleaning of infested stock is much better done while the trees are dormant than when they are in leaf.

Set out a lot of willow cuttings now; Forbyana for giving tying switches later on; vitellina for its yellow bark, and Britzensis for its flame color in Winter. The vitellina and Britzensis sell freely, because of their beauty in Winter.

As soon as Winter is over, prune roses, not before. Cut down the everbloomers pretty close to the ground. the June roses but little, and running ones hardly at all.

Vitis Coignetiæ is famed for its grand Autumn color in Japan, and it bears out its reputation in England; but in our country it has failed to color at all, except in a very few isolated cases.

Those who want the fragrance of the grape without its fruit should possess themselves of some of the wild forms growing in our woods. Very many of them are infertile, yet of sweet odor.

Shrubs, or trees, of which doubts are entertained of their entire hardiness, are much better planted in Spring than in the Autumn. There is a whole season for them to become well rooted in their new location.

Set out a few fig bushes as soon as Spring opens, looking to burying them under ground on the approach of Winter. They bear fine crops of fruit treated in this way.

After fruit trees come to a bearing size it is better to cease cultivating them and keep them in sod, taking care to cut the grass short all the time.

Mahonia japonica has a larger and greener leaf than M. aquifolia, but the latter possesses a bronze color in Winter which is much admired. Mahonia repens differs hardly at all from M. aquifolia. Both are from Colorado and Oregon.

Osmanthus aquifolia is a Japanese evergreen of a holly-like appearance, and in Pennsylvania is quite hardy. It is the same species that old gardeners knew under the name of O. ilicifolia—holly-leaved.

The lovely, hardy fern, scolopendrium, which beautifies the old wall of Europe, is a native of this countr as well, though sparingly found. It i not well known that it is hardy here

Many Summer-blooming shrubs ca be made Autumn flowering ones by pruning them severely in early Spring The many spiræas of that class are ex amples of what are meant.

Spraying is an essential part of goo gardening in these days. It should b done with Bordeaux mixture before th buds start and after they are in leaf in connection with Paris-green.

Magnolia grandiflora has been trie again this Winter, as it was last, as house plant, and with the same suc cess. It holds its large green leave excellently, and when Summer come can be set out on the lawn as a tu plant.

Advancement of the Nursery Busines

Already the nurserymen are bus selling and digging stock and shippin orders. A visit to any nursery at thi time discloses activity prevailing in a departments, indicating another bus season, and it is to be hoped a pros perous one. Florists, too, who aim t have on hand, or to supply, orders fo hardy shrubs and plants, are begin ning to feel the oncoming of the tid and are looking up small evergreen and shrubs and vines for potting, a well as for the supplying of immedia sales. The Florists' Exchange is please to notice the activity in all depar ments of the trade, and thinks it entitled to some credit for the way has tried to make prominent the inte ests of the nurseryman and the floris Without doubt, the introducing an maintaining of a nursery departme as has been done has been a gre help to the nursery business. Th numerous illustrations of specime trees and shrubs which have appeare have made its columns almost an i lustrated magazine and must ha been most instructive to those not we acquainted with the subjects illustra ed, as well as interesting to those wh were.

The publishers of The Florists' E change were willing to make trial a bear the expense of a nursery depar ment, believing the furtherance of a that pertained to horticulture wou be to the interest of the trade in ge eral, as it would be to themselves, a in this they have not been disappoin ed. Those who advertise their sto in its columns find responses from large number of readers, and the a preciation of these advertisers has d termined the publishers to continue t nursery department.

The writer would be pleased to ha inquiries from correspondents at a time, and would endeavor to give t information desired.

Notes on rare trees, the hardiness trees and shrubs, comments on art cles which appear, and other comm nications of a horticultural nature w not only be welcome, but are solicite

Sending Out Good Stock.

How much it adds to a nurseryman reputation and profit to send clea nice-looking stock to his customer There is no excuse for the ill-appea ing stock so often sent away; in fac it is a surprise that the sender do not appreciate how much his intere suffers by following such a course. Th ill-shaped tree, which a few knife cu would beautify; the one with dea branches on it, and the one wit bruised roots, should never leave a nu sery in that shape. The time taken cut away such defects yields a b profit. A good reputation is what mu be secured as a basis for a profitab business.

Another matter requiring close atte tion on the part of the proprietor that of seeing that the stock sent up to what the conditions require. is a mistake to put in a dozen of tre an inferior one, as is occasionally don Throw the inferior one away; give th whole dozen fully up to grade, and th one thrown away will return a b profit. It angers a customer to find a lot of a dozen or a hundred mapl or other trees, one or more he despis for their appearance. He surmises, an sometimes justly, that it is an attem to pass off on him a tree which h would not have selected, and a loss o reputation and custom follows. Sh nothing but what, if questions a asked concerning it, satisfactory a swers thereto can be made.

The Sun on Evergreens in Winter.

In Fall, when the approach of Winter makes it timely, I have more than once referred to the fact that to keep he sun from evergreens was more han half the battle in their preservation throughout the Winter. It is a good time to refer to it again now, as his is when the value of the advice may be recognized. The Winter has not been severe, but in many situations there are rhododendrons and other broad-leaved evergreens which have been exposed to the full sun, and hose plants will show scorched leaves on the sunny side, if there are any at all scorched. In my own case, I have an example in a specimen of the Eng-ish laurel cherry. Cerasus lauro-cera-us. It is in a shady situation where the un reaches it only for an hour or two n the morning, never after 9 o'clock in Winter. Thinking this would not matter, it was not protected. As a result, he sunny side is badly browned, while he shaded side is perfectly green. And even on the sunny side, where one leaf haded another, the shaded one is perfect.

Just look around at this season for cases like this one, and then determine what is needed when November next comes.

Evergreens for Summer Sales.

This is the season of the year to prepare for a Summer trade in evergreens. n the Southern States it is now past he time for evergreen transplanting. n the Middle States it is a first-rate ime. There is no need to wait any onger than frozen ground compels be-ore planting evergreens. A fair trade s already assured to those who have been keeping evergreens in pots and boxes, and it is a trade that will grow. t must be generally known that Nurseryman Jones and Florist Smith keep evergreens in pots, then year by year heir trade will increase. It has come o be a conviction on the part of the public that nothing can be had in a nursery after the leaves have expanded n Spring. It will take time to counteract this. It won't do to rush the potting of evergreens on too great a scale—just a few of some of those most ikely to be called for will be sufficient.

Many florists whose establishments are near cemeteries have constant calls for small evergreens for setting in lots. The various forms of Arbor vitæ are very useful for this purpose, the globe and the golden-tinted ones especially so; and the green, golden and variegated yews. Rhododendrons and Euonymus japonicus are very valuable, as are the whole list of hardy evergreens of a dwarf character.

Nurserymen find sale not only for hose named above, but for the better class of evergreens as well. There is not so much call for the common kinds n Summer. It is more for a few of hose not so common, which are wanted by planters who have space for a few extra nice things. It is getting to be that Christmas, Easter and other festival occasions create a call for evergreens in pots, and to the florist especially this will serve as a hint to consider the sorts usually in demand then when selecting those for potting.

The word potting has been used throughout as the term applied to plants not in the open nursery; but pots are not necessary. Cheap wooden boxes are good for a year or two's growth, by which time a sale should be made.

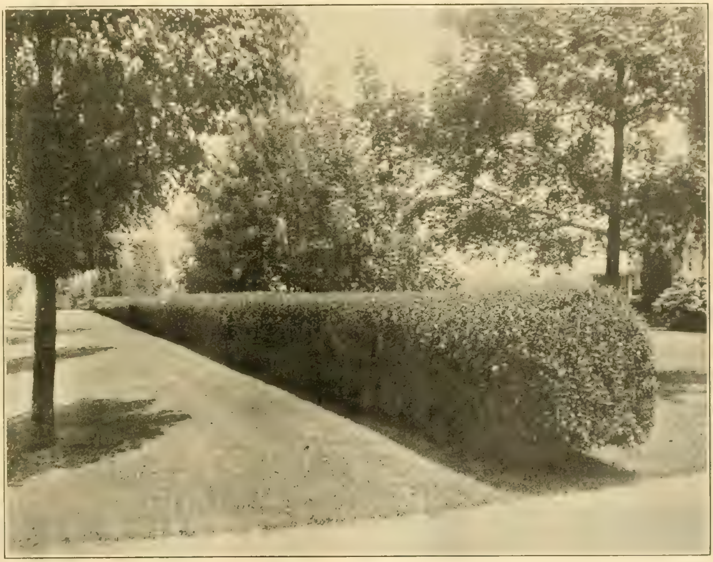
For cemetery uses, evergreens of a conical outline are in most demand, such as Irish yew, junipers, Lawson cypress in its many varieties, and the taller growing forms of Arbor vitæ; but the globe forms of Arbor vitæ, such as globosa, pumila, Hoveyi and Hoopesii, as well as the Tom Thumb, will not disappoint those who have a few for sale.

Vines in Pots.

Some time ago reference was made to the trade developed by nurserymen and florists in the line of potted vines. There is no class of hardy stock that sells so well in Summer as this. Those who have taken up this part of the trade say it is an increasing one every year, and one that can be developed. There are always those who can find room for a few vines besides those that really require them, and because of this, and the suggestion of shade which the heat of Summer demands, vines in pots are sure to be wanted. All kinds of hardy vines sell, but the greater call is for the Japanese ivy, Virginia creeper, wistarias, clematises, Kudzu vine and honeysuckles. The last-named lead those of the fast-growing type, such as Halleana and evergreen Japan preferred. Next the Japanese ivy, Ampelopsis Veitchii, is called for. Lately, because of the extraordinary rapidity of its growth, the Kudzu vine, Pueraria or dolichos, has had a great run. Wistarias especially the Chinese (sinensis), always sell. Clematis of all kinds sell, but the one leading all others is C. paniculata. Pot a good lot of this plant. It will be wanted.

Pot these or any other vines at once, placing them plunged in a bed of sand or cinders out doors, accessible to the hose, which will be required in Summer.

In many places vines, especially honeysuckles, will have started growing by this time. This will not matter, as if cut down pretty well, growth will start afresh, and, in many cases, the cutting well back is something that should be done anyhow. To have the vines attractive and salable be sure to stake them neatly.



A HEDGE OF CALIFORNIA PRIVET.

Hedge of California Privet.

It is not too much to say of the California privet that it is the most useful shrub for a hedge we have. Numerous shrubs have been used before the advent of this, and some are still employed, but in the whole list of available kinds not one could supplant this privet. Time was when the common privet, Ligustrum vulgare, was used, but it never entirely satisfied, though a good sort.

The accompanying illustration is of a hedge bordering the grounds of Mr. David Pepper, Chestnut Hill, Pa., and is on the summit of the hill, a bleak place, overlooking the beautiful Whitemarsh Valley. Yet, so far as known, this hedge has never suffered in Winter. The fact of its being on a hill insures thorough ripening of the shoots, and this in turn is security for its going through the Winter safely. When in hollows, damp and sheltered, where growth is late and succulent when Winter comes, the cold has been known to hurt this privet.

The present hedge has been properly treated from the start, as witness the bushy growth close to the ground. This comes from pruning back closely when young, that a thick base may result, which, when obtained, it is one's own fault if the regularity be not sustained. This hedge is much admired, as there is a wide grass sidewalk between it and the public road; besides that, the estate it encloses is of much beauty.

JOSEPH MEEHAN.

Cromwell, Conn.

A. N. Pierson has been taking advantage of the mild weather of the past week to ship lilies intended for Easter blooming. About 10,000 buds of L. longiflorum in pots have been started for various points. The heavier shipments are yet to be made. Most of these will go by freight, in carload lots, with men and oil stoves, if necessary, in the cars to look after and protect the goods. The weather up to the middle of this week has been unusually propitious for Spring shipping, but March is a treacherous month, and generally makes itself felt sooner or later. It will no doubt do so this year, even if it has to trespass on April's time.

Lilies are to be very fine for Easter. In fact, they have been so all Winter. The L. Harrisii, which are now about gone, have sold remarkably well since before Christmas. Roses, which have been scarce, are still slow in coming in and will not be very plentiful at Easter. This scarcity during the past four months has caused an unusual demand for bulbous flowers of all kinds, which are, consequently, running a little short. American Beauty, which were in full crop at Christmas, are now coming in again in fine shape and Easter will see some magnificent specimens.

One effect of the coal famine is seen in the unusual demand for rose stock, especially grafted. The young plants are looking remarkably well and are being shipped in large quantities to all parts of the country.

Among recent callers were E. D. Shaw, of Holyoke; C. F. Fairfield, of Springfield; D. A. Spear and Edward Welch, of Hartford; John Doughty, of New Haven, and Mr. and Mrs. G. F. Herthal, of Bridgeport.

H.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—Young stock that is well established in flats or pots may just as well be put into cold frames now and the bench space it occupies can be utilized for other purposes, as the approach of Easter always brings with it a crowded condition of the houses. If the carnation plants, while in the frames, are given the same careful attention every day that was accorded them while they were on the greenhouse bench, the plants will do just as well, and make as good growth.

CANNAS.—Roots that were placed on the benches to start into growth are now making headway, and need to be put into pots. A five-inch pot is about the best size to use, and for soil any that happens to be convenient is almost good enough for cannas if a little well-rotted manure be added. It is always better to get the plants potted up as early as possible after the roots get fairly started, for if left too long on the bench they make roots very fast, and would require much larger pots than the five-inch size to accommodate them.

VERBENAS.—These plants are in good demand in many localities, and, as they only occupy bench space for a short period, they are, and always will be, profitable bedding plants to grow. Rooted cuttings of plants with flowers of distinct colors can be purchased so reasonably these days that a great many florists procure their stock in that way; and, to the busy man who does not care to carry over old plants, or raise others from seed, it is very convenient to buy the rooted cuttings at this time, pot them into thumb pots when they arrive and grow them on in a rather warm house, where they will make fine salable stock by the time they are to be planted outdoors.

HOTBEDS.—Where hotbeds can be made and frames used the greenhouses can be relieved of a number of plants, such as iresine, alternanthera, acalypha, centaureas, pyrethrum, etc. Just at this season every foot of bench room has to be utilized, and the more use we can make of our hotbeds and frames the less crowding of plants on the greenhouse benches is necessary.

CARNATIONS ROOTED CUTTINGS

NOVELTIES—This Year's Introductions

Mrs. Theodore Roosevelt. A brilliant shade of deep cerise pink, flamed with carmine. Finely formed, average 3 inch flower on strong stiff stems. Habit vigorous, early, free. Fragrance, strong clove. Selected, strong, well-rooted cuttings now ready. $12.00 per 100; $100.00 per 1000.

Alpine Glow. A deep salmon pink on opening, which finishes a bright Daybreak tint. Good sized bloom, averaging 2¾ inches at this season of the year. Flowers of great substance and a splendid keeper and shipper. An extra vigorous grower; early, profuse and continuous bloomer. Cuttings taken last April produce plants carrying 25 to 30 blooms by the first of March. We believe this will prove one of the most profitable of the daybreak colored carnations. Immediate delivery. Price, $8.00 per 100; $75.00 per 1000. Quantity limited.

Lillian Pond 2,000 selected plants from 2 inch pots, ready for immediate delivery, $10.00 per 100.

Her Majesty From 2 inch pots, immediate delivery, $10.00 per 100.

Marshall Field From 2 inch pots, immediate delivery, $12.00 per 100.

Gov. Lowndes Strong plants from 2 inch pots, for immediate delivery. $12.00 per 100.

INTRODUCTIONS 1902

Harry Fenn. Extra strong selected stock, $50.00 per 1000.

Viola Allen. Fine strong cuttings for immediate delivery, $50.00 per 1000.

Challenger. Extra strong stock ready for immediate delivery, $5.00 per 100; $40.00 per 1000.

Gaiety. $6.00 per 100; $50.00 per 1000.

J. H. Manley. We have propagated a few thousand extra selected cuttings from this variety which we offer at $6.00 per 100; $50.00 per 1000, to those who wish to give it a trial.

STANDARD VARIETIES

Mrs. Lawson. 5,000 fine strong cuttings for immediate delivery, $25.00 per 1000.

Golden Beauty. For immediate delivery, $50.00 per 1000.

Lorna. $25.00 per 1000.

Prosperity. Fine stock from 2 inch pots, $3.50 per 100; strong cuttings from sand, $25.00 per 1000.

Floriana. Fine stock from 2 inch pots, $3.00 per 100; strong cuttings from sand, $25.00 per 1000.

THE COTTAGE GARDENS, QUEENS, L. I., N. Y.

Mention the Florists' Exchange when writing.

Carnations

Rooted Cuttings

	100		100
Floriana	$3.00	Eldorado	$1.00
Gen. Maceo	1.50	Genevieve Lord	1.00
Morning Glory	1.50		

JEWETT CITY GREENHOUSES,
Jewett City, CONN.

Mention the Florists' Exchange when writing.

Carnations Rooted Cuttings

Late March and Early April Delivery

	Per 1000
Morning Glory	$12.50
Cressbrook	25.00
Queen Louise	15.00
Gov. Roosevelt	15.00
Dorothy	15.00

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y**

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

CARNATIONS

WHITE	Per 100
Queen Louise	$2 00
Norway	2 00
Goodenough	2 00
Hoosier Maid	2 00
White Cloud	1 50
RED	
Mrs. Potter Palmer	4 00
Oriole	4 00
Jubilee	1 50
Portia	1 25

PINK	Per 100
Floriana	$2 00
Cressbrook	4 00
Mrs. E. A. Nelson	4 00
Mrs. Thos. Lawson	3 00
Dorothy	2 00
Irene	2 00
Sunbeam	2 50
Genevieve Lord	1 25
Mrs. F. Joost	1 25
Daybreak	1 25
Ethel Crocker	1 25

CRIMSON	Per 100
Harry Fenn	$5 00
Gov. Roosevelt	2 50
YELLOW	
Gold Nugget	2 00
Eldorado	1 25
VARIFGATED	
Prosperity	2 50
Mrs. G. M. Bradt	3 00
Armazindy	1 25

COLEUS, Verschaffeltii and Golden Bedder, 75 cts. per 100; $6.00 per 1000

GRAFTED ROSES Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

MURPHY'S WHITE

Is the Commercial White Carnation to grow for profit. As a continuous bloomer it has no equal. Not a "fancy," but will give you white when others are off crop. Will more than pay for itself in the field as a summer bloomer. I sold you Estelle last year for a Commercial Red; so try this White in the commercial class. You can get it from **J. Gammage & Sons, Peter Reinberg, Vaughan's Seed Store, Chicago Carnation Company, E. G. Hill Co., S. S. Skidelsky, or the originator.**

Strong cuttings, from sand or soil, **$6.00 per 100; $50.00 per 1000, 250 at 1000 rate.**

Satisfaction guaranteed on all stock bought from the above firms.

Wm. Murphy
130 East Third St.,
CINCINNATI, OHIO.

Mention the Florists' Exchange when writing.

CARNATIONS Fine Health Rooted Cuttin

	Per 100	Per 10
Mrs. T. W. Lawson	$3 00	$25
Hill Sport	2 00	17
G. H. Crane	2 00	17
Gov. Roosevelt	2 00	17
Norway	1 50	
Queen Louise	1 50	
Mrs. Bradt	3 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N.

Mention the Florists' Exchange when writin

CARNATIONS

Strong Rooted Cuttings ready to ship at once.

	Per 100	Per 100
Mrs. Lawson	$2 50	$20.
G. H. Crane	1 50	12 5
Prosperity	2 50	20 0
Genevieve Lord	1 25	10 0

Cash with order, please.

DE PEW BROS., Nyack, N. Y

Mention the Florists' Exchange when writing

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standar sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

50,000 Carnation Cuttings

FIRST CLASS, WELL ROOTED.

At Reduced Prices if Ordered This Month.

	Per 100	Per 1000
Queen Louise	$2.00	$15.00
Prosperity	2.50	20 00
Palmer	4.00	35.00
Higinbotham	6.00	55.00
Cressbrook	4.00	35.00
Roosevelt	2.50	20.00
Morning Glory	1.25	10.00

Cash with order. All orders sent in strict rotation. All cuttings guaranteed first-class in every particular.

T. KRAFT, 135 Johnson Av., Newark, N. J.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY STOCK

	Per 100	Per 1000
HER MAJESTY	$10 00	$80 00
POTTER PALMER	3 00	25 00
QUEEN LOUISE	2 50	20 00
FLORA HILL	1 50	10 00
WHITE CLOUD	1 50	10 00
AMERICA	1 50	10 00
NORWAY	1 50	12 50
MARQUIS	1 50	10 00
ELMA	1 50	10 00
GUARDIAN ANGEL (The Sport)	1 50	10 00

2½-inch ROSE STOCK

STRONG, HEALTHY PLANTS, FOR EARLY BENCHING

	Per 100	Per 1000
IVORY	$4 00	$35 00
BRIDE	3 00	25 00
BRIDESMAID	3 00	25 00
METEOR and GATE	2 50	20 00
IVORY, Rooted Cuttings	2 50	20 00

ROOTED CHRYSANTHEMUM CUTTINGS

WHITE

	100	1000
TIMOTHY EATON	$2 00	$15 00
GEORGE KALB, IVORY	1 50	12 50
LADY FITZWYGRAM	1 00	8 00
MME. F. BERGMANN, MAYFLOWER	1 50	12 50
MINNIE WANAMAKER	1 50	12 50
MRS. H. ROBINSON, MERRY CHRISTMAS	1 50	12 50
WHITE BONNAFFON	2 00	15 00
W. H. CHADWICK	1 50	12 50

YELLOW

	100	1000
YELLOW FITZWYGRAM	$1 00	$8 00
COL. D. APPLETON	1 50	12 50
MAJOR BONNAFFON	2 50	12 50
H. W. RIEMAN	1 50	12 50
OCTOBER SUNSHINE	1 50	12 50
GOLDEN WEDDING	1 50	12 50
YELLOW MAYFLOWER	1 50	12 50
W. H. LINCOLN	1 50	12 50

PINK

	100	1000
GLORY OF PACIFIC	$1 50	$12 50
MRS. PERRIN	1 50	12 50
MRS. MURDOCK	1 50	12 50
PINK IVORY	1 50	12 50
VIVIAND-MOREL	1 50	12 50
MARIAN NEWELL	1 50	12 50
RED		
DEFENDER, OAKLAND	1 50	12 50

All Cuttings and Plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

WIETOR BROS. 51 WABASH AVENUE, **CHICAGO**

ooted Carnation Cuttings

Cressbrook, Fair Maid, $5.00 per 100; $40.00 er 1000.

Queen Louise, Lorna, Gov. Roosevelt, awson, $3.00 per 100 $30.00 per 1000.

Maceo, Morning Glory, Flora Hill (Sport), .50 per 100, $20.00 per 1000.

All selected stock. Cressbrooks exceptionally ie; from same as was awarded special prize at rooklyn.

E. DICKERMAN, 21 Mill St., Dorchester, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings rom Clean, Healthy Stock

NOW READY

	Per 100	Per 1000
IRS. THOMAS W. LAWSON	$2.50	$20.00
HE MARQUIS	1 25	10.00
OLDEN BEAUTY	5.00	....
. H. MANLEY...75c. per doz.	6.00	50.00
IARRY FENN....75c. per doz.	6.00	50.00

THEODOR LEONHARD

P. O. Box 1646 **Paterson, N. J.**

Mention the Florists' Exchange when writing.

MISS LOUISE FABER

NEW CARNATION.

Brightest pink in color, very fragrant, rom 3 to 3½ inches in diameter; stems he longest known so far, measuring 3 eet 6 inches to 4 feet in length.

Received Certificate of Merit at Summer Flower how of the Pacific Coast Horticultural Society.

Rooted Cuttings, $2.00 per dozen; $10.00 per 100; 75.00 per 1000; $500.00 per 10,000. All orders to e filled in rotation, from February 1, 1903.

FICK & FABER, San Mateo, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS Rooted Cuttings

	Per 100
Mrs. Lawson	$3.00
Goodenough	2.50
Gen. Maceo	1.50
Mrs. Joost	1.50

SIDNEY LITTLEFIELD
North Abington, Mass.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1.25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates.

ROSE PLANTS

All from grafted stock. Extra fine.

	100		100
Bridesmaid, 2½ in. pots	$3.00,	3½ in.,	$3 50
Ivory, 2½ in. pots	3.50,	3½ in.,	4.50

Delivery April 10 to 15. Cash with order

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2 00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

The Finest White Carnation to Date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling It was also recently awarded First Prize and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in April

$2.50 per doz., $12.00 per 100, $100.00 per 1000

Enchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, President McKinley, White Bradt, Fragrance.

$2.50 per doz., $12.00 per 100, $100.00 per 1000.

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
Adonis	$3 00	$14 00	$120 00	**Lillian Pond**	$2 00	$10 00	$75 00
Her Majesty	2 00	10 00	80 00	**Innocence**		6 00	50 00

Other Leading, New and Standard Varieties.

H. WEBER & SONS, - Oakland, Md.

Mention the Florists' Exchange when writing.

HALF MILLION CUTTINGS READY

20,000 EACH OF THE FOLLOWING VARIETIES:

G. H. Crane, America, Prosperity, Armazindy, White Cloud, Flora Hill, Norway, Bon Homme Richard, The Marquis, Guardian Angel

$2.00 per 100; $15.00 per 1000

Governor Wolcott, Mrs. Higinbotham, $5.00 per 100; $45.00 per 1000

Estelle, $4.00 per 100; $30 per 1000. **Mrs. Potter Palmer, $5.00 per 100; $40 per 1000.**

CHICAGO CARNATION CO., Joliet, Ills.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premium, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock. April Delivery. From 2¼ in. pots.
Bride, Bridesmaid, Golden Gate, $12.00 per 100.
Liberty, $15.00 per 100.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2 50 per 100. Adula, Autumn Glory, Black Hawk, Col. D Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R McArthur, M. Wanamaker, Mrs. T L Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand Morel, Xeno, $2 00 per 100 $17 00 per 1000 Collingfordii, H. W. Rieman, Ivory, J. H Woodford, J. E. Lager, J H. Troy, Mrs. Jerome Jones, Mrs S. T Murdock, Major Bonnaffon, Mrs. S Humphreys, Mme Fred Bergmann, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100, $14.00 per 1000

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc.	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000, No 2 grade, $12 00 per 1000 Special rates on 10,000 lots

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Genevieve Lord**	$1 25	$10 00
The Marquis	2.00	15.00	**Nelson**	5 00	40 00
Dorothy	2 00	15.00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
			Higinbotham	5 00	40 00

RED.

	Per 100	Per 1000		Per 100	Per 1000
Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	3 00	25 00	**Chicago (Red Bradt)**	2 50	20 00
G. H. Crane	2 50	20 00			

WHITE.

	Per 100	Per 1000		Per 100	Per 1000
Flora Hill	1 50	12 50	**White Cloud**	1 25	10 00
Queen Louise	2 50	20 00	**Hoosier Maid**	1 25	10 00
Peru	1 25	10 00	**Murphy's White**	6 00	50 00

VARIEGATED.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. G. M. Bradt	$2.50	$20.00	**Gaiety**	$3.00	$25.00

ROSES

AMERICAN BEAUTY, 3 in. pot plants, $7.00 per 100; $65.00 per 1000.

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Liberty	$8.00	$75.00	**Bride**	$4.00	$35.00
Pierre De Notting	8.00	75.00	**Golden Gate**	4.00	35.00
American Beauty	6.00	55.00	**Perle**	4.00	35.00
Kaiserin	4.00	35.00	**Sunrise**	7.00	65.0C
Bridesmaid	4.00	35.00			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants or cuttings of any variety. No plants or cuttings sent by mail.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

NEW CARNATION

$UCCE$$

THE MONEY MAKER

The most prolific carnation to date. Flowe light pink—shade of La France rose large and we formed, and borne on stout stems with stron calyx. Business the whole year.

Strong, heavily rooted cuttings, $1.50 per 12; $2. per 25; $8.00 per 100; $70.00 per 1000. Immedia delivery.

Strong unrooted cuttings—Success is easily pr pagated—$3.00 per 100. For sale by

HENRY F. MICHELL, Philadelphia, Pa.
J. GAMMAGE & SONS, London, Ont., Canada.
JOHN G. SHOLL, Dept. C. Burlington, N.

Mention the Florists' Exchange when writin

CARNATION

ROOTED CUTTINGS

White.	Per 100	Per 1000
Wolcott	$5.00	$45.00
Norway	2.00	17.50
White Cloud	1.50	12.00
Red.		
Apollo	6.00	50.00
Estelle	5.00	45.00
G. H. Crane.	2.00	17.50
Gen. Gomez.	2.00	17.50
Gen. Maceo.	2.00	17.50
Pink.		
Nelson	6.00	50.00
Cressbrook	4.00	35.00

Pink.	Per 100	Per 1
Mrs. Lawson	2.00	17.
Morning Glory	2.00	17.
Mrs. F. Joost	1.50	12.
The Marquis	1.50	12.
Triumph	1.00	8.
Variegated.		
Gaiety	4.00	35
Stella	5.00	45
Prosperity	3.00	25

CHRYSANTHEMUMS Rooted Cuttings. It well to have the right va eties at the right time of the year, for that is wh you make your money. Our stock is healthy, a now is the time to order. The following list is giv as to succession of blooming of each color.

White.	Per 100
Opah	$6 00
Willowbrook	2 00
Polly Rose	2 00
Robinson.	2 00
Mayflower	3 00
Weeks.	3 00
Fee du Champs aur.	3 00
Princess Barsarabba	3 00
T. Eaton	3 00
Jerome Jones	2 00
Yellow.	
Monrovia.	2 00
Parr	3 00
Halliday	3 00
Col. Appleton	2 00
Parks.	3 00
Bonnaffon	2 00

Yellow.	Per
Golden Wedding	$4
Yellow J. Jones	3
Goldmine	4
Golden Beauty	4
Pink	
Lady Harriett	4
Glory Pacific	2
Helen Bloodgood	4
Dalskov	2
Autumn Glory	2
Mrs. Perrin	3
Mary Hill	4
Murdock	2
Calvart, light rose	6
Malcolm Lamond, red	5

Mlle. Liger and yellow Eaton, 50cts. each; $5.00 doz. 2½ in. pot plants, $1.00 extra per 100.

BOSTON FERNS, 2½ in., $6.00 per 100; 3 $10.00 per 100; 4 in., 15c. each: 7 in., $1.00; 8 in., $1

Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, In

Mention the Florists' Exchange when writ

CARNATIONS ROOTE CUTTIN

The fact that we are rooting 90 per cent. sho quality of our stock.

	Per 100	Per 1
Prosperity	$3 00	$25
Roosevelt	3 00	25
Cressbrook	3 50	30
Mrs. Bradt	4 00	35
Mrs. Lawson	3 00	30
Golden Beauty	4 00	35
G. H. Crane	2 00	15
Daybreak	1 00	10
Gen. Gomez	1 50	15
Gen. Maceo	1 50	15
The Marquis	1 50	12
White Cloud	1 50	12
Flora Hill	1 50	12
Queen Louise	3 00	25
Genevieve Lord	1 50	12
James Dean	1 50	12
Mrs. Joost	1 50	12
Eldorado	1 00	8
Wm. Scott	1 00	8
Norway	2 00	15
Floriana	3 00	25

CHRYSANTHEMUMS 2¼-i Pot

	1
WHITE.	
Lady Fitzwygram	$3
Robinson	3
Mrs. R. Weeks.	4
Jerome Jones	3
Polly Rose	3
Timothy Eaton	3
Willow Brook	3
White Bonnaffon.	4
Chadwick	3
Ivory	2
YELLOW.	
Col. D. Appleton	3
Yellow Pacific	3
Bonnaffon	3
Monrovia.	4
Golden Wedding	4
October Sunshine	3
Yellow Robinson	3
Pennsylvania	3
Yellow Fitzwygram	4
PINK.	
Pacific	2
Helen Bloodgood	3
J. K. Shaw.	2
Maud Dean	3
Pink Ivory	2
Mrs. Coombs	4
RED.	
Black Hawk	3
John Shrimpton	4

We have a fine stock of rooted cuttings of Chr anthemums, which we offer at one-half the abo listed prices.

EDW. J. TAYLOR, Southport, Con

Mention the Florists' Exchange when writin

DON'T POTTER WITH SCRAPS

When You Can Buy Picked and Selected Bulbs at HEADQUARTERS in the Quantities and Varieties You Need for Less.

Without doubt **WE HANDLE GREATER QUANTITIES** of Spring bulbous stock than any other house, aiming to supply choicest quality at west possible price and invite comparison.

Cannas

Large, dormant pieces, like those nown in cut, with many eyes: ME. CROZY, PAUL MARQUANT, URBANK, CHAS. HENDERSON, ALHONSE BOUVIER, PEACHBLOW, LORENCE VAUGHAN, ITALIA, QUEEN HARLOTTE, FLAMINGO, AUSTRIA, LSACE, SHENANDOAH (bronze foliage). 30 cts. per doz.; $2.00 per 100; 15.00 per 1000.

SPECIAL PRICE ON LARGER QUANTITIES.

DAHLIAS LARGE FIELD ROOTS.

	100	1000
med Varieties: Fancy, Show, Cactus and Pompon	$6.00	$50.00
xed, all colors	4.00	35.00
arate Colors: Pink, red, striped, ellow or white	4.50	40.00

FERN BALLS

These Should be Started Now for Christmas Trade.

7 inches, $1.80 per doz.; $13.00 per 100, or case of 500 for $60.00.

The above is a Photo-Engraving of the Canna Roots we send out

DORMANT H. P. ROSES

Large shipment, consisting of best varieties, all two-year old, low budded.

See Catalogue for List of Varieties and description.

Bundle of 5, 65 cts.; $11.00 per 100; $100.00 per 1000.

TUBEROSES All Sound and Selected Bulbs.

Hand Picked and Selected, 900 in a barrel, 4 to 6 inches, $7.75 per bbl.; $1.00 per 100.

Hand Picked and Selected, 1400 in a barrel, 4 inches, $7.50 per bbl.; 75c. per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS.)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz	15.00	

JAPAN IRIS (Iris Kæmpferi)

In twenty choicest named sorts. All of recent introduction. Best in existence. Double and single varieties.

	Each	Doz.	100
Dormant clumps, named varieties	$0.15	$1.25	$7.00
" " Mixed sorts	.10	.75	5.00

PALM SEEDS NEW CROP SEEDS NOW READY

Cocos Weddeliana	$1.00 per 100; $7.50 per 1000
Latania Borbonica	50c. per lb., $30.00 per 100 lbs.
Pandanus Utilis	$1.00 per 100, $7.50 per 1000
Dracæna Terminalis Canes	$25.00 per 100 feet.

Anemone Japonica Whirlwind Dormant field roots

Doz., 50c.; 100, $2.50; 1000, $20.00

CLUCAS & BODDINGTON CO.

Telephone, 4390 SPRING.

812-814 GREENWICH STREET, cor. Jane St., NEW YORK CITY

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

For all other varieties of Spring Planting Stock, get our CATALOGUE just published.

Cleveland.

Carnation Show.

The carnation night at the club s a grand success, there being more wers shown than was anticipated. nsidering the extremely warm ather of the past week, the blooms much better than many had ought they would be. In all there re about thirty vases of carnations two large vases of roses, besides ne other less important flowers. Most the growers of this city and its urbs were present, and many exessions of interest in carnations could heard.

ate Bros. exhibited a vase each of s. Lawson, G. H. Crane and Mrs. ances Joost. These were considered the judges as very fine. The same n staged a fine vase of Bride and idesmaid roses, which showed a rerkable growth and finish.

he J. M. Gasser Company exhibited vase each of Mrs. Lawson, The rquis, White Daybreak, Genevieve rd William Scott, Daybreak and ite Cloud, all of which were very l grown.

as. Wilson, of Glenville, showed two es of mixed carnations, consisting well-grown flowers of all the latest most improved varieties. A. mitt exhibited a remarkably well wn vase of Mrs. Lawson; H. Hart, vases of mixed varieties, all nice vers. C. Merkel & Son, of Mentor, showed a vase each of Mrs. Lawson Queen Louise, and one vase of ed varieties, showing good culture. y also had a magnificent vase of de, Bridesmaid, and Golden Gate es. H. R. Carlton, of Willhby, O., showed a well-grown vase rosperity, the flowers being as large any at this show. Smith & Son had ase of fifty blooms of their seedling nation, Magdalene, which in color quality gives Mrs. Lawson a close for supremacy. G. M. Nauman ibited Louis Nauman in grand form, ch was much admired.

seedling from Wm. Dilger, of Det, Mich., was a flower of good size. not a pleasing color under artificial light. The Chicago Carnation Company sent a vase each of Harlowarden, Marshall Field, Mrs. Potter Palmer, and Her Majesty, all of which were really fine flowers.

Other exhibits, including that of The J. D. Thompson Carnation Company, did not arrive in time, and caused some little disappointment. The judges were: Adam Graham, Sr., A. L. Brown, and A. M. Coe.

One new member was taken in at this meeting. G. W. S.

Cincinnati.

News of the Week.

Lent is passing quietly and is causing no decrease in business. All good flowers are selling out clean every day and more could be used.

One of our oldest firms, Corbett & Wilson, of College Hill, O., has dissolved partnership, Mr. Corbett buying out his partner and continuing the business.

Another good opportunity for some enterprising florist is to buy the Huntsman greenhouses, which are now for sale. These houses are situated in the Highands of Kentucky, back of Newport, and are admirably situated for growing roses and carnations.

Quite a number of the craft are sick with the grip, but, fortunately, no fatalities have occurred.

Spring openings are now on, and all the cheap stock in the market is readily picked up.

The progressive euchre at the clubrooms on March 26 will be quite an enjoyable affair.

The schedule for the flower shows to take place in September during the Fall Festival is now in the hands of the Fall Festival Committee; $1,000 will be offered in prizes and divided in such manner that will give the small grower a chance as well as the large one. The store man also will have an opportunity to show his skill in table decorations, as large premiums are offered for this display. Outsiders will be invited to compete, as this show will be open to all.

Vicitors: Martin Reukauf, Philadelphia; Mr. Dietrich, Maysville, Ky.

E. G. GILLETT.

Indianapolis.

Easter Outlook.

The outlook for Easter at the present time is not encouraging. The growers complain of the weather, and the advanced state of stock. Azaleas are from three to four weeks ahead of time, as are lilies and rhododendrons. Daffodils and hyacinths are to be seen blooming in the open, a fact rarely noted in this vicinity on the 23d of March. As it is, many of the growers are in better shape for Easter at the present time than three weeks hence.

News Jottings.

The florists of Indianapolis deeply sympathize with Sidney Smith, of Baur & Smith, in the loss of his father. Mr. Smith was well known in Richmond, Ind., his old home.

One noticeable fact here has been the lack of social functions during the Winter season. It seems as if society has overdone the matter of entertaining, and has suddenly gone to the other extreme. This remark does not only hold true in Indianapolis, but reports from all over the country bear out the assertion. While business so far has equaled, if not surpassed, that of former years, little credit can be given to the decorations. Most of the money comes in over the counter, in small cash sales. I. B.

Newport, R. I.

J. K. M. L. Farquhar, of Boston, lectured before the Newport Horticultural Society, Wednesday evening, March 18, on Horticulture in Japan. As usual, the lecture was a most interesting one, and thoroughly enjoyed by all present. Refreshments were afterward served.

Ernst Bowditch is constructing an Italian Garden for Mr. Berwind. J. H. Bowditch also is busy with landscape work.

Robert Laurie, formerly head gardener for Mrs. C. Vanderbilt, is now Eastern representative of Wright, Lilly & Co., the promoters of the Lucania tunnel. T. F.

Worcester, Mass.

Business has not been very brisk during the past week. The few warm days brought out a little inquiry for bedding plants, but wise ones are prophesying more cold weather.

St. Patrick's Day is not one that creates a demand for flowers, although H. F. Littlefield had a big run on green and white carnations.

Mr. Bryant, of A. H. Hews & Co., North Cambridge, dropped in on us a few days ago.

C. D. Thayer has again given up his store, and W. E. Sargent has assumed his business.

E. F. Breed and wife, of Clinton, have returned from Jamaica, where they went for the benefit of Mrs. Breed's health, which has been improved. Mr. Breed exhibited some three-foot Azalea indica in Boston last week.

H. F. A. Lange and Miss Emma Burkhardt were married March 19. Mr. Lange has been a florist in Worcester for more than twenty-five years, and is one of the best known German residents of the city. Mr. and Mrs. Lange left immediately after the ceremony for the South, where they will spend some time. CAROLUS.

Syracuse, N. Y.

George Ham, for the past twenty-five years head gardener at the State Institute for Feeble-Minded Children, has resigned his position. He was one of the earliest and most enthusiastic workers in the Central New York Horticultural Society, and a very successful exhibitor of chrysanthemums. Many of his seedlings were very fine; some have been disseminated. His friends, who are many, wish him every success in his new venture. His successor has been appointed. H. Y.

Dayton, O.

J. B. Heiss has bought of the Huffman estate six acres of ground. It is Mr. Heiss' intention to build a home on the grounds.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Choice young Rose Stock, all grafted on Manetti after being carefully selected.

	Per 100
BRIDE, 2½ inch pots	$10.00
BRIDESMAID, 2½ inch pots	10.00
LIBERTY, 2½ inch pots	15.00

CARNATIONS—Rooted Cuttings

	Per 100		Per 100
PROSPERITY	$1.50	G. H. CRANE	$2.00
FLORIANA	2.00	MRS. LAWSON	2.00
THE MARQUIS	1.00	WHITE CLOUD	1.50
AMERICA	1.50	GOLD NUGGETT	2.00

Our Cuttings are all selected for strength and health. No order for less than 50 of one variety filled at these prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, ready for delivery in March, 75c. each; $7.50 per Dozen; $50.00 per 100. Stock limited.

GREAT REDUCTION

On the best list of Cannas ever offered; **50 Varieties,** all different shades; **strong healthy roots. Our Cannas never kept so well.** Prices have been lowered **25 per cent.** to reduce surplus. **This offer good for a short time only. No order accepted** for less than 100 roots, or 10 of a kind, at these prices.

PINK SHADES.

		Per 100
Louise		$6.00
Betsy Ross		6.00
Luray		2.25
Martha Washington		3.00
Improved Duchess of Marlborough		2.25
Shenandoah, bronze leaf		2.25
Eastern Beauty, bronze leaf		6.00
Mlle. Berat		2.25
Pink Ehmanii		2.00

RED SHADES.

		Per 100
Brandywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		6.00
Cherokee, new		4.50
Black Prince		3.00
Blazing Torch		2.25
Olympia	$18.00 per 1000,	2.25
Philadelphia	18.00 "	2.25
Duke of Marlborough	18.00 "	2.25
Pillar of Fire		3.50
Pennsylvania, orchid flowering,	$67.50 per 1000	7.50
Pres. McKinley		2.25
Pres. Cleveland		2.25
Chas. Henderson		2.00
Partenope, orchid flowering		4.00
Columbia		2.25
Chicago		2.25
Baltimore		3.00

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$6.00
Queen of Holland		4.50
Evolution		6.00
California		3.00
Coronet		3.00
Primrose		2.00
Duchess of York		3.00
Florence Vaughan	$18.00 per 1000;	2.25
Comte de Bouchard		3.00
Austria	$15.00 per 1000;	2.00
Burbank		2.00
James Wood, orange		4.00
L. E. Bailey		2.50
Eldorado		3.50

VARIEGATED SHADES.

Duke of York, a new Canna with very large flowers and most striking appearance		7.50
Niagara		6.00
Augusta		3.00
Gloriosa		6.00
Mme. Crozy	$18.00 per 1000;	2.25
Queen Charlotte	18.00 "	2.25
Allemania	18.00 "	2.25
Italia	18.00 "	2.25
Alsace, creamy white	18.00 "	2.25

EXTRA MIXED CANNAS, great variety in color, $1.00 per 100; $8.00 per 1000.

NEW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; **$100.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. One-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30 00 per** 100. Two-year field plants, 3 to 3½ ft., **Bushy, $7.00** per doz ; **$50.00** per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

First crop now ready. Strong plants from 2½ inch pots, **$6.00 per 100; $50.00 per 1000.**
Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery, and will be filled in rotation.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

No more Rooted Cuttings, no more 2-inch plants. Extra fine plants of 2½ inch stock at $50.00 per 1000. New York bank draft or certified check only received in payment.

F. D. VREELAND, Paterson, N. J.

Mention the Florists' Exchange when writing.

ROSES, CARNATIONS, GERANIUMS, CANNAS

AND MISCELLANEOUS PLANTS

Fine Line of two-year-old Roses at $9.00 per 100
5 in. American Beauty, extra heavy, $20.00 per 100.

Burbank Cannas dormant roots, 2 to 3 eyes. $1.00 per 100; $7.00 per 1000.

Write for our new list. Cash please.

NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

American Beauty Roses

Parties wishing to secure strong, healthy plants will make no mistake in ordering from us; we have them in 2½ and 3x4 in. pots.

Prices on application.

M. TILDEN, Madison, N. J.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate,** 2 in. pots, $3.00 per 100. **Ivory,** $4.00 per 100. **Helen Gould,** $6.00 per 100. **Mrs. Oliver Ames.**

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANDSDOWNE, PA.

Telephone 45L.

Mention the Florists' Exchange when writing.

PLANTS and ROOTED CUTTINGS

	100
Petunias, Dreer's strain, 2½ in. pots	$2.00
Geraniums, 2½ in. pots, S. A. Nutt, La Favorite, Mme Thibaut, all double; Bruant, semi double	2.00
Other good varieties, red, pink and light, fine collection, same size and price.	
Heliotrope, Queen of Violets and Chieftain, 2½ in. pots	2.00
Fuchsias, Elm City and Storm King, 2½ in.	2.50
Ageratum, dwarf blue, 2½ in. pots	2.00
Rooted Cuttings, Gen. Bruant and John Loyd, fine, semi-double, red; S. A. Nutt, Mme. Thibaut, double	1.25
Heliotrope, 3 varieties	1.00
Cuphea, Cigar Plant	.50

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

ROOTED ROSE CUTTINGS

Select 2 and 3-eye cuttings, strongly rooted. Will make good plants for early planting. Bridesmaid, Bride, per 100, $1.50; per 1000, $12.50. Meteor, Golden Gate, per 100, $1.50; per 1000, $12.50. Perle, per 100, $2.00; per 1000, $17.50. Ivory, fine, per 100, $3.00; per 1000, $25 00.

GERANIUMS Elegant 3-in. stock, in select bedding kinds, $5.00 per 100. Choice stock on which you can more than double your money in a short time.

BOSTON FERNS Fine, cool-grown stock, 5 in., $25.00 per 100; 6 in., $40.00; 7 in., $60.00. Good profits in this stock.

SPRENGERI, 4 in., $8.00 per 100.

VINCA VAR., strong 2 in., $2.50 per 100.

W. H. GULLETT & SONS, LINCOLN, ILL.

Mention the Florists' Exchange when writing.

ROSE PLANTS

From 2½ inch pots, extra strong.

	Per 100	Per 1000
Bridesmaid	$3 00	$25 00
Bride	3 00	25 00
Golden Gate	3 00	25 00
Ivory	5 00	40 00
" (from 3 inch pots)	8 00	

GEO. W. WATERFIELD

Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

ROSES

DORMAN
FIELD-
GROWN

H. P., Mosses, Crimson Rambler,

A large stock in cold storage for delivery duri March and April. Address

W. F. HEIKES, Manage

Huntsville Wholesale Nurseries,

Cor. Lewis and O'Fallon Sts. **ST. LOUIS, M**

Mention the Florists' Exchange when writin

HARDY ROSES

AND CLEMATIS.

ROSES. Strong plants from 2½ in. pots. Rea now for retail trade or in May for field pla ing. Get our list of varieties. Price, $4.00 p 100; $35.00 per 1000.

Clematis. Jackmanni, Henryii and Mme. Andi 3½ in. pots, at $10.00 per 100; 2½ in. pots, $7. per 100.

W. & T. Smith Co.

GENEVA, N. Y.

Mention the Florists' Exchange when writin

The Princess of Wales Viole

Violet growers cannot afford to to be witho this grand and popular variety. Growers in t vicinity of Boston know that this Violet is rapid and surely becoming more popular and sells f higher prices than any other variety, eith double or single, growers in other sectio have a great opportunity for taking up a growing this variety.

I have the largest and healthiest stock the country and am booking orders NO for strong young plants for April and M delivery, at $2.00 per hundred; $15.0 per thousand. 500 at thousand rates.

WILLIAM SIM, Cliftondale, Mas

Mention the Florists' Exchange when writin

NEW PEDIGREE ROSES

Send for description and colored plate of o Six New Climbing Roses. These originated our own collection by careful cross-fertilizatio and are unquestionably superior to anything their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edgin
Prof. C. S. Sargent, rich yellow a buff.
Robert Craig, yellow, shaded with apric
John Burton, delicate peach color.

All fragrant, very double, undeniably har and strong growers.

HOOPES BRO. & THOMAS, Maple Av Nurserie

WEST CHESTER, PA.

Mention the Florists' Exchange when writing

Two-Year-Old Roses

From 4 in. pots, extra strong, 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals	10.00 "

Violets, 2½ in., Lady Hume Campbell, Swanle White, California, Luxonne and Prince of Wale $3.00 per 100; $25.00 per 1000.
Hydrangeas, Thos. Hogg and Monstrosa, 2½ in. $4.00 per 100; $35.00 per 1000.
Clematis Paniculata, 3 years old, strong, field grown, $10.00 per 100.
Double Geraniums, 2½ in., $3.00 per 100; $25.0 per 1000.
Lemon, American Wonder or Ponderosa, $4.0 per 100; $35.00 per 1000.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 4 in. $7.00 per 100.
Asparagus Plumosus, 4 in., $8.00 per 100.
Honeysuckle, Chinese Evergreen, Halleana an Golden Leaved, $2.50 per 100.
Plumbago, white, $3.50 per 100.
Cyperus Alternifolius, $2.50 per 100; $20.00 per 100
Vinca Major Variegata, $2.50 per 100; 4 in., $8. per 100.
Achillea, The Pearl, $3.00 per 100; $25.00 per 1000.

THE SPRINGFIELD FLORAL CO.

Reorganization of JNO. A. DOYLE & Co.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

We invite your inspection of our

EASTER STOCK

Lilies, Azaleas, Hydrangeas, Rhododendrons, Genistas, Crimson Rambler Roses

And our usual fine assortment of **Tulips, Hyacinths, Etc.** IN POTS and PANS

SEND FOR PRICE LIST, OR BETTER STILL, COME AND LOOK US OVER

ROBERT CRAIG & SON, 4900 Market Street, **Philadelphia, Pa.**

AFFODILS

t class, with long stems. Send orders to

IY BROOK DAFFODIL FARM
PETERSBURG, VA.
P. O. Box 76
esale Growers and Shippers

n the Florists' Exchange when writing.

CLAMEN Best strain, once transplanted.

0 per 100; $17.50 per 1000.

INTERICH, DEFIANCE, Ohio

n the Florists' Exchange when writing.

Verbena Giant. 2 inch, in bud and bloom, 2 cts.
Asparagus Plumosus, 2 in., 3 cts.
Alyssum, Double, 2 in., 2 cts.
AGERATUM, 5 kinds, R. C., 60c. per 100.
STEVIA SERRATA, R. C., 75c. per 100.
COLEUS, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60c. per 100.
PETUNIAS, strong 2 in., in bud, 2 cts.
MOON VINES, strong, 2 in., 3 cts.

Cash. Rooted cuttings prepaid.

BROS., Chambersburg, Pa.

n the Florists' Exchange when writing.

BIG LIST OF PECIALS

	Per 100
iums, fine stock, 2 in	$2 00
ias, double fringed, 2 in.	2 00
Harvard's star, 2 in.	3 00
scantia, green and var., 2 in.	1 00
anthemums, 10 sorts, labeled, 2 in.	2 00
nella Denticulata (Moss Fern), all ht for Easter, strong, 2 in	2 00

Verbenas, Asters, Sweet Alyssum, Scarlet elosias, Feverfew, Lobelia and all kinds ng stock.

rite us. We can save you money.

RAWLINGS, Quakertown, Pa.

n the Florists' Exchange when writing.

EASTER

Anyone wishing **EXTRA FINE EASTER LILIES and HYACINTHS,** write to

E. Wickersham & Co., Pottstown, Pa.

Mention the Florists' Exchange when writing.

FOR EASTER BABY PRIMROSES

Primula Forbesii

Out of 4-inch pots, in full bloom, $1.00 per doz.; $8.00 per 100; $75.00 per 1000.

Out of 3-inch pots, in full bloom, 75 cts. per doz.; $5.00 per 100.

CUT BLOOMS

75c. cts. per 100; $5.00 per 1000.

GERANIUMS

4-inch pots in bloom. Mostly double. **Jean Viaud, Bruanti, Mrs. E. G. Hill, etc.** $1.00 per dozen; $8.00 per 100.

	Per 100
Tiger, out of 2-inch pots	$10 00
" unrooted cuttings	5.00
Mrs. Lawson	2.00
Mrs. Lawson, Flora Hill, unrooted cuttings	.75

Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

COLEUS

Rooted Cuttings except where noted.	100	1000
20 varieties	$0.50	$5.00
C. Verschaffeltii and G. Bedder	.60	6.00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1.00	
Giant Double Sweet Alyssum	.60	
Ageratums, P. Pauline and S. Gurney.	.60	
Alternanthera, A. Nana	.60	5.00
Fuchsias, 2 in. pots	2.00	

Geraniums, S. A. Nutt, Poitevine, Viaud, Harrison, Pasteur, Perkins, Harcourt, Doyle and others, 2 in. pots, $2.50 per 100; $20.00 per 1000; 3 in. pots, $3.50 per 100; $30.00 per 1000.

Vinca Variegata, 2 in. pots, $2.00 per 100; 3 in. pots, $4.00 per 100; 4 in. pots, $6.00 to $8.00 per 100.

Cannas, Queen Charlotte, Crozy, F. Vaughan, Burbank, Cabos and others, 2 to 3 eyes, $15 00 per 1000; $1 50 per 100.

Pansy Plants, from cold frames, 50 cts. to $1.00 per 100; $4.00 to $8.00 per 1000. Small seedlings, $3.00 per 1000.

Cash with Order.

ERNEST HARRIS, Delanson, N.Y.

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

ANTHEMIS CORONARIA

Double Dwarf Golden Marguerite,
$2.00 per 100, by mail.

J. W. MORRIS, - Utica, N.Y.

Mention the Florists' Exchange when writing.

FOR EASTER

BABY PRIMROSE

A mass of bloom, 3 in. pots, 6c.; 4 in. pots, 8c.; 5 in. pots, 10c.

DWARF MARANTA

Well colored, for fern dishes, 2 to 4 shoots, 2½ in. pots, 6c.

VIOLETS

Princess of Wales, strong divisions, $2.00 per 100; $15.00 per 1000.

John Curwen, Glenhead, L.I., N.Y.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2.00 per 100; $18.00 per 1000. My selection, $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

Geraniums. Double Gen. Grant, Bruanti, Alphonse Ricard, Mme. Thibaut, Beaute Poitevine, Frances Perkins, S. A. Nutt, La Favorite, L. Kelway, etc. Extra strong, well-grown plants, from 2½ in. pots, $2 50 per 100; $22.50 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbenas, new mammoth	$0 40	$3 00
Asters, Early Market	35	2 50
Candytuft, and **Alyssum,** Gem	30	2 00
Daisies and **Pansies**	40	2 50
Phlox, Star and Compacta	40	3 00
Fuchsias, out of 2½ in. pots fine	2 50	
Sweet William, large field clumps	4 00	

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

Verbenas

Finest in the land.

$3.00 per 100, $25.00 per 1000.

ROOTED CUTTINGS, 75c. per 100, $5.00 per 1000.

FEVERFEW. Little Gem, $3.00 per 100.

GERANIUMS. Mt. Snow, Mme. Salleroi, and Rose, $3 00 per 100.
Mrs. Parker, $5 00 per 100.
Ivy Leaf, L'Elegant, $5.00 per 100.
Happy Thought, $5 00 per 100.
Pelargoniums, Mme. Thibaut, and Victor, $5.00 per 100.

W. L. SMITH, AURORA, Ill.

Mention the Florists' Exchange when writing.

A SPLENDID LOT

	100
Of **DOUBLE** and **SINGLE PETUNIAS,** in 3 in. pots, in bud. Will make fine plants for early selling	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high, 3 in.	5 00
HELIOTROPE, 15 vars., R. C.	1 00
GAZANIA, Splendens, R. C.	1 50
SALVIA, 6 vars., R. C.	1 00
CUPHEA, Cigar Plant	75
LANTANAS, 6 vars	1 00
AGERATUM, 5 vars	75
MOON VINES, Smith's Hybrid Seedling	2 00
PILEA MUSCOSA	1 00
SWAINSONA GALE, alba and rosea	1 25
PRIMULA FORBESII. Baby Primrose, 3 in., in full bloom	3 00
COBÆA SCANDENS, 2½ in	2 50
The Following Ready April 15:	
PETUNIAS, Ruffled Giants, 2 in	2 50
SHASTA DAISY, 2 in	3 00
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C. P. Speciosa and Compacta, 2 in	2 00
VERBENAS, Michell's Giant, 2 in.	1 50
SALVIA, Clara Bedman, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

NOVELTIES FOR EASTER

FERN PAN BASKETS, any style desired.
PORTO RICO MATS, in Fancy and Plain Colors.
WATER PROOF CREPE PAPER, all Colors.
SILK RIBBON FIBRE, to tie Mats and Crepe Paper around the Pots.

LARGE HAMPERS, for Plants in gree braid twigs and
HAMPERS FOR VIOLETS.
CORDS AND TASSELS.
CYCAS LEAVES. CYCAS WREATH
PLANT BASKETS, Many Shapes.

OUR NEW CATALOGUE IS READY. WRITE FOR IT.

H. BAYERSDORFER & CO., 50-52-54-56 North 4th St
PHILADELPHIA, PA.

GERANIUMS

BEGONIAS, ALYSSUM, ASPARAGUS PLUMOSUS NANUS, CYCLAMEN, ABUTILON SAVITZI, FUCHSIAS, CYPERUS ALTERNIFOLIUS, DAHLIAS, FERNS, HYDRANGEAS, DRACÆNAS, AGERATUM, SALVIA, VINCA VAR., MARGUERITE, COLEUS, HELIOTROPE. Send for List.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted cuttings, 12 fine varieties, all double, mixed. $1.25 per 100.

HYDRANGEA OTAKSA...	$2 00 per 100
FUCHSIAS, 6 varieties	1 00 " "

JOHN BRONNER,
301 BEECHER ST. SYRACUSE, N. Y.

Mention the Florists' Exchange when writing.

LOOK

All in 2¼ in. pots, **Salvia Splendens, Giant Flowering Pansies,** mixed; **Campbell's Violets, Chrysanthemums, Glory of Pacific.** The above at $1.50 per 100. **Princess of Wales** and **Swanley White Violets,** $2.00 per 100.

CANNAS, dormant, **C. Henderson, Alsace** and **Mlle. Berat,** $1.00 per 100. **Campbell's Violets,** fall rooted, $8.00 per 1000.

A. B. Campbell, Cochranville, Pa.

Mention the Florists' Exchange when writing.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.
No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centauro, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.
Strictly Our Selection, 1000 and over, $17.50 a 1000

SCENTED GERANIUMS

Rose, Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double........	$2 00
Acalypha, Macfeeana........................	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea..	2 00
Ageratum, Stella Gurney and Dwf. White.	2 00
Alternanthera, Red and Yellow...........	2 00
Asparagus Sprengeri, 2½ in. pots........	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs......................	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot...........	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed.......	2 50
" Double named........................	3 50
Primula Forbesii, "Baby Primrose"......	2 00
Salvia, Silverspot, Bonfire and Splendens.	2 00
Sanchezia, variegated........................	5 00
Sedum, variegated...........................	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

DAHLIA ROOTS, large field clumps, **$5.00** per 100. (Our selection, $4.00 per 100).

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety....	$2 00
VINCA Variegata..............................	3 00
YUCCA Filamentosa, 1 year old..........	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in................................	2 00
Second size, 4 to 6 in........................	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for Catalogue of Full Line of Greenhouse and Bedding Plants.
Notice our Vegetable Plant Advertisement.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

GERANIUMS from 2½ in. pots, fine plants, **Nutt** and **Heteranthe,** $2.00 per 100, $18.00 per 1000; from 3 in. pots, in bloom, fine for Easter, $4. per 100.

Asparagus Sprengeri from 5 in pots, for Easter decoration, exceedingly fine, $3 00 per doz.

CANNAS dormant, Chas. Henderson, Austria, Fl. Vaughan, Papa, Helen Gould, $1.50 per 100; $10.00 per 1000. Cash.

CHAS. AMBACHER, Long Branch, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings S. A. Nutt, Buchner, Favorite, Montmart, Castries, $1.25 per 100; $10.00 per 1000. Poitevine, $1.50 per 100; $12.00 per 1000.

Extra strong transplanted, from soil, 6000 Montmart, $14.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

The finest up-to-date varieties, named, our selection; strong and well-branched, out of 3s, $4.00 per 100.

ROSE GERANIUMS, strong 3s, $4 00 per 100.

PELARGONIUMS. Fancy mixed, strong and bushy, out of 3 in. pots, $5.00 per 100.

HELIOTROPES. Large, light and dark, strong 2 in. pots, $2.00 per 100.

AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2.00 per 100.

LOBELIA. Emperor William, best dwarf dark blue, very strong, 2 in., $2.00 per 100.

CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1 00; ½ pkt., 50 cts.

VERBENAS. Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2 00 per 100.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

SPECIAL

	100	1000
Madeira Vines..........................	$1 00	$8 00
Montbretias, mixed........................	1 00	8 00
Apios Tuberosa	1 50	10 00
Tuberoses, 3-4 inch........................	50	3 50
Zephyranthes Floribunda	2 00	15 00
Oxalis, 3 kinds..............................	20	1 00
Hyacinthus Candicans, 1-2 in....	1 25	10 00
Lilium Wallacei	2 00	15 00
Lilium Umbellatum	5 00	40 00
Ismene Grandiflora......................	6 00	50 00
Gladioli, good mixed......................	80	7 00

250 at 1000 Rate. 8 Per Cent. discount for cash with order.

Send for Wholesale List of Named Gladioli and other Summer Flowering Bulbs.

JOHN LEWIS CHILDS

Wholesale Department **FLORAL PARK, N. Y.**

Mention the Florists' Exchange when writing.

CANNA

Are in fine shape and will close out sur varieties at $1.00 per 100; $9 00 per 1000. Do delay and get left.

Allemania, Mlle. Berat, Defen Gloire Lyonnaise and Paul Marqu

W. W. COLES, Kokomo,

Mention the Florists' Exchange when wri

GERANIUMS Planted in pots, sent little soil. Landry, Buchner, Ricard, Poitevine, Perkins, Bruanti, Cleary, Dryden, Ivy, eight best, Mrs. Pa (Dwf Mt. of Snow), and others, $14.00 per 1000 C. one-fourth less—Le Soleil, J. Viaud, $2.00 pe

COLEUS Very brightest fancy, $5.00 per G. Bedder and G. Queen, $6.00 per **GIANT LEAFED,** 20 kinds, very showy, per 100.

CANNAS Scarlet, white, yellow, crimson gold edged, pieces, $1.00 per 100. **HELIOTROPE,** dark, **Scarlet Sage, A** atum, Giant Sng. Petunias, plants $1.00 pe R. C. 60c. per 100.

PANSY BARGAIN Select finest, strong rooted (big lot) 60c. p

Daniel K. Herr, Lancaster, P

Mention the Florists' Exchange when wr

GERANIUM

10 var., fine plants, 2½ in. pots . . . . . . } $2.50 and $
10 var., fine plants, 3 in. pots . .
Coleus, 16 var., 2 in. pots . . .
Double Petunias, 2½ in. pots .
Verbenas, 2½ in. pots . . . . .
Vinca Var. Vines, 2 in. pots . .
Asparagus Sprengeri, 2 in. pots 1000, $18 00;

CASH.

JOS. H. CUNNINGHAM, Delaware,

Mention the Florists' Exchange when wr

GERANIUM

In 2 and 2¼ in. pots, ready for shifting, a per 100; $18.00 per 1000. In fine shape

Following varieties: S. A. Nutt, Double Grant, John Reed, Francis Perkins, Ri Brutt, Montague, Ruy Blas, La Favorite, anti, Mme. Bruant, Rev. Atkinson, Jas. Gaa several others.

Also Mme. Salleroi, in fine shape.

Happy Thought, 2¼ in. pots, $3.00 per 100

	100
Coleus, in variety, rooted cuttings	$0 60
" " in 2¼ in. pots...	2 00
Double Petunias, Dreer's strain, R. C............	1 25
" " Dreer's strain, 2¼ in. pots...	1 75
Heliotrope, all dark, R. C...........	1 00
" " " 2¼ in. pots.	2 00
Feverfew, Little Gem, R. C	1 25
" " " 2¼ in. pots	2 00
Ageratum, in variety, R. C....... ..	60
" " 2¼ in pots	1 25
Fuchsias, in variety, R. C...........	1 00
" " 2¼ in. pots	2 00
Vincas, R. C	1 00
" 2¼ in. pots	2 00

Cash with order.

J. E. FELTHOUSEN, Schenectady,

Mention the Florists' Exchange when w

SEASONABLE STOCK.

AZALEAS FOR EASTER

	Per doz.	100
Plants 12 in. in diameter, in 15 leading sorts, including Mme. Van der Cruyssen, Simon Mardner, Vervaneana, Apollo, Deutsche Perle, etc.; 25 plants at 100 rates, 250 plants at 1000 rates	$4.00	$30.00
ZALEA MOLLIS, well set with buds	3.00	20.00
LTERNANTHERAS, 2 sorts, red and yellow, $17.50 per 1000	.30	2.00
GERATUM, Stella Gurney, Princess Pauline, and dwarf white	.30	2.00
SPARAGUS PLUMOSUS NANUS, 3½ in. pots, $25.00 per 1000	.50	3.00
SPARAGUS COMORENSIS, stronger grower than Plumosus, 2 in. pots, $25.00 per 1000	.50	3.00
CHILLEA, the Pearl, $20.00 per 1000	.40	2.50
HRYSANTHEMUMS, all the leading sorts, including Appleton, Eaton, etc.	.40	3.00

CANNAS.

All our Cannas are plants from pots, ready to move right off. Egandale, Mad. Crozy, Florence Vaughan, Mme. Berat, Souv. de Antoine Crozy, Paul Marquand, Chas. Henderson, Philadelphia, Duke of Marlborough, Pres. McKinley, and Queen Charlotte, $25 00 per 1000	.50	3.00
OLEUS, all the standard bedders, $18.00 per 1000	.30	2.00
UCHSIAS, in all the leading kinds, both double and single, fine, young stock	.40	2.50

We are large growers of Fuchsias.

ASMINE, Cape, 5 inch, 20 inches high, well branched	2.50	20.00

EMON, PONDEROSA,

has ponderous fruit; any one can bloom and fruit it. It blooms in large clusters, the individual flowers as large as a Tuberose. It is the best selling plant we have and we recommend it to all florists,

2½ in. pots	.50	3.00
to 5 in. pots	1.50	12.00

Plants 4 to 5 ft. high, 50 cts. each.

ANETTIA Bicolor, 2½ in. pots, fine, $20.00 per 1000	.40	2.50
OON VINES, blue and white. Now is the time to buy. Don't put it off until you cannot find them. We have 50,000; $27.50 per 1000	.50	3.00
RANGE Kumquat or Kin-kan, fine plants from 5 in. pots, 18 to 24 in. in height, well branched to bear at once	3.00	20.00

OUNG PALMS FOR GROWING ON.

From 2 in. pots. Fine stock.

Phœnix Reclinata	.50	3.00
Phœnix Canariensis	.50	3.00
Latania Borbonica	.50	3.00
Corypha Australis	.50	3.00
hamerops Excelsa	.50	3.00
Thrinax Barbadensis	.50	3.00
Areca Lutescens	.50	3.50

ROSES.

Hermosa, 4 in. pots	1.00	8.00
oupert, 4 in. pots	1.25	10.00
" 5 in. "	1.50	12.00
OSES, from 2½ in. pots.		
Hermosa	.50	3.00
lothilde Soupert	.50	3.00
limbing Soupert	.60	4.00
Gruss an Teplitz	.50	3.00
vory	.50	3.00
Maman Cochet	.50	3.00
White Maman Cochet	.50	3.00

We have a general assortment of ll kinds of roses. Write for our atalogue.

LVIAS, all the best bedders	.40	2.50
MILAX, 2 in. pots	.30	2.00
GE, Holt's Mammoth	.40	2.50
RITOMA PFITZERII, new ever-blooming, $60.00 per 1000	1.00	7.00
NCA MAJOR VARIEGATA, 3 in. pots	.75	5.00
2 in. "	.30	2.00
OLETS, in best sorts, double and single, including, Hardy Russian, Hardy double English, California, Marie Louise, Lady Hume Campbell, $25.00 per 1000	.50	3.00

olesale Catalogue of everything in the ROSE and PLANT LINE now ready. Address

HE GOOD & REESE CO.

Springfield, Ohio.

he Largest Rose Growers in the World.

Grand Rapids, Mich.

A Disastrous Fire.

On Monday morning, March 23, fire broke out in the greenhouse establishment of Henry Smith. The fireman's lantern is supposed to have exploded, setting fire to the extensive potting sheds, boarding-house over the shed, in which fourteen men were sleeping, the adjoining barn, sheds, water tanks, and pump house. The fireman, Daniel McQueevan, was burned to death. Just how it happened will never be known. After the alarm was given the men in the boarding-house were confused, and quickly cut off from escape. Without waiting to dress they jumped out of the second-story window. August Johnson, Oscar Dahl, Reinholt Larson and Clause Oldberg, when they jumped, were obliged to do so from windows on the greenhouse side, and landed on the glass roof, being badly cut by the glass. Oliver Bailey went back into the building to get his valuables, but almost lost his life, as it was with difficulty he was rescued. He was severely burned on hands and face.

The loss will exceed $40,000; insurance $500, but the burned portion will be immediately rebuilt. The boilers are not much injured, and steamfitters were busy all day Monday reconnecting the boilers to those houses not reached by the fire.

G. F. C.

Milwaukee.

S. A. F. Matters.

President John Burton, Secretary Stewart, George C. Watson, Robert Tesson, Alex. Wallace, J. C. Vaughan, Emil Buettner and Phil Hauswirth, of the executive committee of the S. A. F., paid us a pleasant visit last week. Considerable business of importance was transacted and a valuable program was mapped out. A report of the proceedings will be sent out by Secretary Stewart through the trade press. Many points of interest were visited, including the Exposition Building and the bowling alleys. The bowlers of the S. A. F. will be strictly in it during the convention. On Tuesday evening a banquet was tendered the visitors by the local club and a good social time was had. The committee departed for home Wednesday evening, and all anticipate returning in August to meet one of the largest gatherings of the craft ever held.

Here and There.

We are having an unusually early Spring this year. The weather during March was the warmest experienced in thirty years. We have had practically no freezing weather during the entire month. Last Friday the thermometer registered 73 degrees. Crocuses are in bloom and other outdoor stock is making rapid growth.

Roses became soft; Bridesmaid are coming in somewhat discolored; carnations are plentiful, but a steady demand keeps them cleaned up.

F. Schmeling is confined to his bed on account of pneumonia, and C. C. Pollworth is also on the sick list.

Not long ago the C. C. Pollworth Company received an order for flower pots from Dowie, of Zion fame, who is establishing a horticultural department at Zion City.

F. Holton is suffering from a bad finger, the result of poisoning through a wound received in handling roses.

C. C. P.

HYACINTHS Just right for Easter

All colors, from 3½ in pots, just the thing to make up pots and pans for Easter trade; also saves on express. $6.00 to $8.00 per 100.

TULIPS 3 in a pot, $1.50 per doz.; $10.00 per 100 pots. From flats, with bulbs attached, $3 00 to $4 00.

SPIREAS Fine plants, from 6 inch pots, $3.00 per dozen.

Above can be shipped at any time to suit customers, but advise early shipment. All carefully packed in light boxes. Cash with order, please.

JAMES F. BARCLAY, Herkimer, N.Y.

2000 Easter Lilies

HARRISII and LONGIFLORUM, 5 in. pots, 1½ to 3 ft. high, foliage from top to bottom, 3 to 6 flowers per plant, 10 cts per bud.

HYDRANGEAS, 5 and 6 in. pots, 25 cts., 35 cts., 50 cts. each.

SPIRÆAS, 6 in. pots, 30 cts. each.

MARGUERITES, 5 in. pots, 20 cts. each

CASH WITH ORDER.

CHRISTIAN DEHN, 178-80 Beekman St., Saratoga Springs, N. Y.

SPECIAL OFFER!

HARDY HERBACEOUS PLANTS

The Plants are in Perfect Condition.

25 at 100 rates, 250 at 1000 rates.

	10	100
Achillea millefolium roseum	$0 50	$3 50
Adlumia cirrhosa (Mountain Fringe)	50	3 50
Anemone japonica alba. 3-inch pots	50	4 00
Anemone japonica elegantissima. 3-inch pots	50	4 00
Anemone japonica "Lady Ardilaun." 3-inch pots	50	4 00
Anemone japonica "Queen Charlotte." 3-inch pots	50	4 00
Anemone japonica rosea superba (new). In 3-inch pots	1 00	6 00
Alyssum saxatile compactum	50	4 00
Anthemis tinctoria. 2½ in. pots	50	4 00
Arabis albida	50	3 50
Astilbe (Spiræ) japonica	50	3 50
Baptisia australis	50	3 50
Bocconia cordata (japonica)	50	4 00
Boltonia asteroides	50	3 50
Boltonia latisquama	50	4 00
Campanula medium (Canterbury Bells)	50	3 50
Campanula persicifolia grandiflora	50	4 00
Campanula persicifolia grandiflora, alba	75	5 00
Clematis Davidiana	50	4 00
Clematis integrifolia Durandi (new). Strong plants in pots	3 00	
Coreopsis lanceolata (true)	50	3 50
" " grandiflora	50	2 50
DAISY "PRINCE HENRY" (new). 3-inch pots	1 25	10 00
DAISY "SHASTA." 3-in. pots	75	5 00
Delphinium formosum	50	4 00
" hybridium. 3-inch pots	50	4 00
Delphinium hybridium, Kelway's, 3-inch pots	75	5 00
Desmodium penduliflorum	1 00	6 00
Digitalis gloxinoides. 3-in. pots	50	4 00
" purpurea. 3-in. pots	50	3 50
Euphorbia corollata (Flowering Spurge)	50	3 50
Funkia ovata (Blue Day Lily)	50	3 50
" subcordata grandiflora (White Day Lily)	1 00	6 00
Gaillardia grandiflora (Blanket Flower)	50	4 00
Helianthus Maximiliani	50	3 00
" mollis	50	2 50
" multiflorus grandiplenus	1 00	6 00
Hemorocallis Dumortieri	50	3 50
" (flava)	50	4 00
" (fulva)	50	3 00
" Kwanso (fulva fl. pl.)	50	4 00
" Thunbergii	75	5 00

Hollyhocks

	10	100
Double, mixed colors	$1 00	$6 00
Single, mixed	0 75	5 00
Allegheny, mixed colors	1 00	6 00

German Iris

	10	100	1000
Ten fine named sorts, strong year-old roots	$0 50	$2 50	$20 00
Fine mixed, strong year-old roots		2 00	15 00

Japanese Iris

	10	100	1000
Twenty superb named sorts, strong roots	$0 50	$4 00	$35 00
Iris Nudicale (Dwarf Iris)	50	2 50	20 00

Lathyrus latifolius	75	5 00
Lobelia cardinalis	50	4 00
Lychnis semperflorens plenissima. 2½-inch pots	75	5 00
Chalcedonica flore pleno. 2½-inch pots	1 50	10 00
Lysimachia nummularia (Moneywort)	2 00	15 00
Nepeta glechoma (Ground Ivy)	1 50	10 00

Phlox

	10	100	1000
Decussata. Choice named sorts	$0 50	$3 50	
Decussata. Mixed, strong plants	50	3 00	
Amœna Lovely Phlox	50	4 00	
Subulata. Moss Pink	50	2 50	$20 00
Physostegia virginiana (Dragon Head). The most valuable hardy herbaceous plant in cultivation. From 2½ inch pots	50	3 00	25 00
Physostegia virginiana. Strong field grown plants	50	4 00	35 00
Physostegia virginiana alba	1 00	6 00	
Polygonum amplexicaule oxyphillum	50	4 00	
Platycodon Mariesii	50	3 50	

Pyrethrum Roseum

	10	100	1000
Single, Kelway Strain	$0 75	$5 00	
Double, named sorts	1 25	10 00	
Pyrethrum uliginosum	50	3 50	

Pinks (Hardy)

	10	100	1000
Her Majesty	$0 50	$4 00	
Mrs. Sinkins	50	4 00	

Pæonies

	10	100	1000
TWENTY KELWAY'S CHOICEST DOUBLE VARIETIES, strong roots, 2 and 3 eyes each	$1 25	$10 00	
Fine double mixed, strong roots, 2 and 3 eyes each	1 25	8 00	
Papaver orientale (Oriental Poppy). Strong pot-grown plants, which transplant without loss	50	4 00	
Pardanthus sinensis	50	2 50	
Pentstemon barbatus Torreyi	50	3 50	

Rudbeckias

	10	100	1000
GOLDEN GLOW. Field plants	$0 50	$2 00	$15 00
GOLDEN GLOW. Clumps	1 00	6 00	
PURPUREA (Great Purple Cone Flower)	75	5 00	
Maxima (Great Cone Flower)	75	5 00	
Subtomentosa (Black eyed Susan)	50	3 50	
Sedum maximum. (Great Stone Crop)	50	3 00	
Sedum maximum variegata	50	4 00	
Spiræa chinensis (sinensis)	1 00	6 00	
" palmata (true)	75	5 00	
" " elegans	75	5 00	
Stachys lanata	50	3 50	30 00
Valeriana officinalis	75	5 00	
Veronica longifolia subsessilis	75	5 00	
Veronica incana	75	5 00	
" spicata	50	3 50	
Violet, "Princess of Wales"	50	3 50	

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J.T. LOVETT, Little Silver, N.J.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

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Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave.
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
Chicago.—Robert Johnstone, 2361 N. 40th Ave.
Cincinnati, O.—E. G. Gillett, 113 E. 3d St.
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Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf.
Worcester, Mass.—H. A. Jones.

WILKESBARRE, PA.—Fire broke out in the greenhouses of Daniel E. Gorman on March 23. Fortunately, it was discovered before much damage was done.

THIS WEEK'S SUPPLEMENT.

Picea (Abies) Excelsa, Norway Spruce.

The Norway spruce is one of our commonest evergreens, and saying this is its recommendation, as it shows it to be one that has been found useful everywhere. As with many European trees, large specimens of it are common on many old estates. In former years, the one who planted had to rely on Europe for his stock of trees. Nurseries here were but in their infancy, and native trees could not be obtained except in their wild state. Because of this the older places show many more fine specimens of foreign trees than of native ones, except where the latter are indigenous. At the present time conditions have changed. Native evergreen and deciduous trees are now more easily had than the others. There is still room for more advance in the same way in the line of evergreens. Too much time has been spent on Pacific coast evergreens and not enough on those of Colorado and of our Eastern States. But few of the Pacific coast ones thrive here, while those of Colorado are hardy and beautiful.

The Norway spruce is a highly satisfactory evergreen when in its younger years, such as is represented by the one we illustrate. This is a specimen growing on the estate of the late William Walter Phelps, Esq., at Teaneck, N. J., under the charge of Donald Matheson, who has had supervision of the grounds for the past thirty-three years. This tree, the Norway spruce, is 52 feet in height, with a spread of 36 feet.

The Norway spruce is not a rare tree, but specimens of the size of the one pictured are not so common in such good condition. It is more than usually broad and luxuriant looking.

When in poor soil the Norway spruce, though it may appear in a fairly satisfactory condition for some years, is not of lasting beauty. When in deep soil, and yet that which is well drained, it is often seen of beautiful proportions. About Philadelphia many of the larger trees of it are past their best. In the suburbs of Baltimore are some of the finest specimens we have ever seen.

As our readers will observe, the one photographed has been given all the room it wanted for development, and it has done justice to it. It should always be given ample room. An evergreen shows the ill effects of crowding much sooner than a deciduous tree does.

Owing to the confusion in nomenclature, the Norway spruce is as often found in catalogues under the name of abies as of picea, but though the latter name is the correct one, it has been so long listed under the former that to the end of time it may be looked for under the designation of Abies excelsa. JOSEPH MEEHAN.

Society of American Florists and Ornamental Horticulturists.

In a recent communication from this office the address of the Misses Wilson who made an exhibit of American grown bulbs at Asheville, N. C., last year, was given as Sorrento, Fla. This was a mistake, the address of the Misses Wilson being Montgomery Ala.

The following named State Vice-Presidents have accepted the office for 1903, in addition to those recorded heretofore: Western Pennsylvania, S. Alfred Baur, Erie; Western New York, Charles A. Keitsch, Buffalo; District of Columbia, George C. Schaffer, Washington.

WILLIAM J. STEWART,
Secretary.

Exposition Building, Milwaukee.

(See page 362.)

We present herewith an excellent illustration of the Exposition Building in Milwaukee where the S. A. F. will hold its annual convention and trade exhibit in August next. The picture gives a good idea of the size of the structure, in which is provided ample accommodation for the largest trade exhibit since the formation of the National Society. The meeting room adjoins the exhibition hall, and has a large seating capacity. The home florists expect to see every available foot of space rented, and every seat filled. P.

Graft.

The absorbing of money which you have not earned and which of right belongs to another.—Modern Definition.

We learn from our English exchanges that it is proposed to present a bill in Parliament for the purpose of putting a stop to corrupt practices in business in Great Britain. If made law, such a measure would, among other things, strike a blow at the custom common among horticultural houses of granting a commission to gardeners on all their purchases. The subject was recently made a matter of editorial consideration by The Gardeners' Chronicle of London. That journal, while deploring the prevalence of the practice, holds out little hope of its entire eradication; but advises that it be carried out openly and regularly, according to some recognized scale; and let not one firm endeavor to gain the advantage over another by breaking through the recognized custom. It also suggests a meeting of the principal nurserymen and seedsmen to consider the question in all its bearings, and to agree on some common action.

Viewing the matter from the standpoint of the recipients, the Chronicle says: "Even in bad cases their offense against honesty is not so great, and more valid excuses may be made for them than in the case of the tempters." The journal in question attributes a considerable portion of the blame for the existence of the evil to the fact that the wages paid to capable men are quite inadequate to the responsibility, ability and forethought that are required of a gardener, adding: "That the inadequately paid skilled craftsman should be willing to accept a secret commission, or 'agency,' is no doubt lamentable, but is comparatively a venial matter, and one which a better education and a higher rate of remuneration would do much to restrain."

On this side of the Atlantic the custom here referred to may not be so pronounced as it is in England, still it is present with us and, as the business increases here and competition grows keener, so is the evil likely to become more aggravated. It is always wise to nip in the bud an irregularity, or anything that has no very valid excuse for its existence, and it is none too early to begin to consider the best plan to combat and, if possible, abolish this iniquity.

To condone the custom by asserting that it is common in most all lines of business, and in vogue among our neighbors of the trade, will not mend matters. It is wrong from whatever viewpoint considered. If the gardener demands a secret commission, that is nothing more nor less than to extort blackmail from the merchant. On the other hand, if such a commission is voluntarily donated by the merchant, it is plain bribery, done with an ulterior motive—that of securing the monopoly of that particular gardener's, or rather his employer's, trade. In no sense can a commission of this nature be regarded as a "present" or a "gift," because of the "string" that attaches to it.

As we see it, there is no good reason why the altruism of the seedsman or nurseryman, or, for that matter, of a member of any other branch of the trade, should expand to the extent of partially bearing the burden of impecunious or greedy employers by making up a deficiency in the remuneration paid to the gardeners or other employees of such; neither should a custom be permitted to persist whereby avarice, veiled by simulated generosity, should tend to rob an employee of his self-respect, or transform him into an eleemosynary individual, dependent for some part of his emoluments upon the bounty of the man from whom he buys goods for his employer. A factor of this character in any business deserves to be driven out of it, and this can be accomplished by every merchant discouraging it on all occasions and at all times.

Our Spring Special Edition, 1903.

We believe no better gauge of the healthy condition of the florist's business at this time can be submitted than our Special Spring Edition, issued to-day. And this condition is all the more gratifying in view of the very hard Winter through which the trade has just passed, in which the scarcity of fuel and the temporary advance in express rates for cut flowers have proved such untoward factors.

To-day's edition also demonstrates forcibly the fact that the trade is becoming more imbued, and rightly so, with the thought that in order to secure a share of the business a-going, it is necessary to go after it, through the best available medium—advertising. This applies equally to the man whose reputation is made, and his trade long established, as it does to him who for the first time seeks afield a customer for his surplus stock.

To the many firms who have renewed their confidence in The Florists' Exchange as a business bringer we extend our thanks for their patronage; and we bespeak for them that meed of trade which their enterprise merits.

There are several features in this edition to which we desire to draw special attention. Foremost among these is the very valuable article, by R. W. King, of the King Construction Company, Toronto, Ont., and Lockport, N. Y., describing the heating system in operation at the plant of the Dale Estate at Brampton, Ont., with its modern and highest improved accessories. Mr. King's article is accompanied with explanatory diagrams, and by this means the reader will get a grasp of the workings, as well as the beneficial character of a heating installation that stands foremost in its class at the present day.

A full report of the fifth annual meeting and exhibition of The American Rose Society, with the papers presented and discussions thereon, are also included in this issue. Of particular value are the essays of E. G. Hill and Professor Corbett, the first dealing with the newest varieties of roses, the latter setting forth the results of comparative tests with flowering and blind wood rose cuttings for propagating purposes, consequent on experiments extending over a period of five years.

We would direct notice to Robert Craig's plea on behalf of The American Rose Society. The awakened interest in the rose already created by the Society, which may be said to be still in its infancy, is a good indication of what it will, if properly supported, accomplish as the years pass. The status of the rose, as a staple in commercial horticulture, can only be maintained and advanced through the energetic endeavor of the devotees of the flower, both professional and amateur. The Society whose aim is to promote the rose interests of the country is therefore deserving, and should receive the material aid of every one who grows and loves the queen of flowers. Particulars as to membership can be obtained on application to Secretary Leonard Barron, 136 Liberty street, New York.

The Rose Society, encouraged by the present year's success, has decided to hold its next meeting once more in Philadelphia. Subsequently, it will change its sphere of labor, so that its beneficent influence may be directly felt in other rose-growing centers.

Nurserymen will find some serviceable seasonable suggestions and advice in our nursery column, conducted by Joseph Meehan. We invite the attention of interested parties to what Mr. Meehan says relative to the conduct of this much appreciated department of The Florists' Exchange.

In conclusion, we hope that the expectations of our advertisers will be realized to the fullest; and that our readers may derive much benefit from a perusal of the reading matter provided, which we have great pleasure in presenting.

“Sun”—Ray of Hope for the Wanting Widow.

Ve are pleased to note (as, no doubt, our advertiser) the following edito- l comment in a recent issue of The n, New York, relative to a Want ad. nch appeared in our columns. rough the combined efforts of our eemed contemporary and those of rselves there is every likelihood of widow being able to secure a man er her own heart, who will prove a sirable helpmate in every particular:

German Gardeners, Attention!

rdinarily we should not look for even tially sentimental communications in valued contemporary, The Florists' change. But all is fish that comes to sociological net; and it is our duty, not our chief pleasure, to drag that net th an unsparing hand. So, among the enhouses, the nursery stock, the ning paint and putty, the first-class w two-inch black pipe, the second- nd flower pots and side-board iron eelbarrows, our prophetic f et are nded past the giant daisies, the baby mroses, the Bride and the Bridesmaid ses to this advertisement, at once nsible and sensitive, stuck bashfully t firmly in the "Help Wanted" column:

“GERMAN WIDOW, 37, possessing fine tablishment, 18,000 ft. glass, 18 acres land, having had trouble in getting ght man for running plant, sees only o ways ahead, either sell, or, as she is t willing to part with place, to adver- e for a German gardener who knows business thoroughly, especially carna- ns; healthy, honest, sober, and not raid of work, between 40 and 45, with view to matrimony. Address L. H., re Florists' Exchange.”

It is scant praise to call this a plain siness proposition. It is a handsome siness proposition. It has a clear, hon- t, attractive face. There is not a bit nonsense about this German widow. e has eighteen acres of fine land; ubtless an equally fine person. Now lone woman, however capable and en- getic, needs competent assistance in king care of 18 acres of fine land and ,000 feet of glass. She loves the place. e loves every flower on it, and espe- ally the carnations. And if she can find healthy, honest, sober, intelligent, in- strious German gardener of the age of scretion, thoroughly expert in his pro- ssion, and especially in carnations, why, timately, she may be willing to cease to a widow.

Notice that no boys need apply. Verg- g toward her prime and perfection, the erman widow looks for a gardener and ossible partner who is come to forty ear and is beginning to draw toward e age of discretion. This age may be aid to be forty-five in men, although any or most of them would be guiltless the discretion if they had twice the ge. At 45, or somewhere between it and , much of the fuzz and downiness of ender juvenility should be gone. The apers have been cut. The wild oats have iven way to more profitable crops. The il- usions of veal-time have dropped from e eyes. Then a man ought to be able appreciate a fine woman; and he is in uch better case than he was at 25 to ppreciate 18 acres of fine land and ,000 feet of glass.

It may be added that the experience f many countries and peoples shows at marriages contracted on a sound usiness basis rather than from romantic nd necessarily fragile and perishable npulses turn out well as a rule. The erman widow doesn't care for “a violet the youth of primy nature, forward ot permanent, sweet not lasting, the erfume and suppliance of a moment.” ee the “Shakespeare Phrase Book.” She ants a steady, middle-aged man who akes a specialty of carnations.

For the benefit of unmarried mediæval erman gardeners, who know their busi- ess and especially carnations, we here eprint the German widow's advertise- ent. It would be a shame for her to ave to sell her place.

---

hotographs for Catalogue Work.

Many catalogue makers lament, when oo late, having allowed the season for aking effective pictures to go by with- ut securing valuable original material or their forthcoming catalogue; again, here are, comparatively speaking, few hotographers who understand the equisites for making a successful pho- ograph on the lines required. Original alf-tone plates are not expensive; they give a catalogue tone and will repay heir cost.

Therefore, and in order to benefit hose who may wish to avail themselves of the service, the A. T. De La Mare Company, publishers of The Florists' Exchange, beg to announce they have made arrangements with a skilled photographer, a gentleman who has had many years of horticultural photographing experience under effective teachers, to fill engagements by taking pictures within a reasonable distance of New York City. For further particulars, address Catalogues, care of The Florists' Exchange.

Contents.

PAGE
American Flag, The, in Immortelles (Illus.) 363
American Rose Society Show and Convention (Illus.) 358
Bowling 382
Briefs for Busy Florists 341
Carnations (Illus.) 357
Catalogues Received 339
Easter Stock, Among Growers of 356
Exposition Building, Milwaukee (Illus.) 362
Firms Who Are Building 387
Flowering Shrubs (Illus.) 355
French Bulbs 336
Graft 350
Heating Problems 387
Heating System at Dale Estate (Illus.) 352
Hedge of California Privet (Illus.) .. 341
Market, Review of the 381
Motor Car, A, in Flowers (Illus.) ... 363
Nursery Department (Illus.) 341
Pinus Strobus (Illus.) 341
Question Box 357
S. A. F. O. H. 350
Seed Trade Report 335
Special Spring Trade Edition 350
“Sun”-Ray of Hope for Widow 351
Supplement, Norway Spruce 350
TRADE NOTES:
  Cromwell, Conn. 341
  Cincinnati, Cleveland, Indianapolis, Newport, R. I., Syracuse, Worcester 345
  Grand Rapids, Milwaukee 349
  Providence, San Francisco 360
  New York 362
  Boston, Buffalo, St. Louis 363
  Baltimore 366
  Chicago, Louisville, St. Paul 375
Wistaria Sinensis (Illus.) 356

Photographs.

The Florists' Exchange will pay $1, either in cash, a year's subscription in advance for our paper, or a credit for $1 worth of books, to be selected from our Book List, for each and every accepted photograph of any specimen plant, shrub or tree, foliage or flowering. Photographs can range from representations of the most ordinary bedding varieties up to the most stately palm, stove plant, shrub or tree, the desire of the publishers being to obtain as nearly a complete collection as can be secured. By “specimen,” we mean one plant standing alone, all background to be screened off; to obtain this effect some cloth of neutral tint, as a gray for instance, should be used. Also, we will pay as above for distinctive lawn views, hedges of privet, boxwood, etc., for single specimen blooms, or artistic arrangements of cut blooms from flowers or flowering shrubs and trees.

Please note this is no competition, the only condition for acceptance being that photographs must be clear in detail, and each picture forwarded be accompanied with a proper description.

Size of photographs must not be less than 4x5 inches, although $6\frac{1}{2}$x$8\frac{1}{2}$ inches would be preferred.

Address correspondence to Photograph Department.

MADISON, N. J.—Charles H. Totty, formerly at Florham Farms, has bought the greenhouses of James Hart, with a piece of property, and will embark in the florist business on April 1. Mr. Totty leaves his former position, which he has held for eight years, with the best of good wishes for success in his new venture, in which sentiment we heartily join. If intelligence, practical knowledge and perseverance count for anything in the attainment of success, Mr. Totty has all these qualifications, and a bright future lies before him.

INDEX OF ADVERTISERS

Akers H R 382
Allen J K 367
Altick H M 384
Ambacher C 348
Andling E C . 375
Anderson & Christensen 364
Andorra Nurseries .334
Archdeacon & Co....339
Aschmann G 382
Austin H ii
Bader J 366
Baird D 339
Baker C F & Son...365
Baker W J 374
Bunning F ii
Barclay Jas F 349
Bartram J H 346
Bassett & Washburn 346
Bayersdorfer H & Co 348-80
Beach Jas E 343
Beaulieu H 339
Berckmans P J Co.336
Beckert W C....ii
Berger H H & Co 333 68
Bernheimer E 374
Berning H G 375
Blaauw J & Co....339
Black C 339
Bloom J S 339
Blue Hills Nurs 339
Bobbink & Atkins....i
Bock W A 364
Bolles F A 336
Bonnot Bros 371
Boston Letter Co ...376
Bradshaw & Hartman 368-71
Bronner J 348
Brooks Sisters 339
Brown Bros Co....339
Brown E C & Co 388
Brown P 339-48
Burpee W A & Co .345
Byer Bros 339-47
Caldwell, the Woodsman 369
Cal Carn Co....335
Campbell A B 348
Campbell Bros 381
Canadian Advts 381
Carmody J D 377
Chicago Carn Co....344
Childs J L 348
Chinnick W J...339-46
Clarke & Ley 384
Clucas & Boddington i-345
Coldwell Lawn Mower Co 380
Coles W W 348
Collins Thos 370
Comstock & Lyon ..338
Conard & Jones Co..346
Connell B 364
Coolidge Bros 384
Cottage Gardens ...342
Cowee A 333
Cowee W J 378
Cowen's N Sons ...376
Craig R & Son....347
Crooke J J Co....370
Croom J F & Bro...ii
Crowl Fern Co....369
Cunningham J H....348
Curwen J 347
Cushman Gladiolus Co ii
Cut Flower Ex....371
Dailledouze Bros ...343
Darling C T 342
Davis A B & Son...335
Deamud J B....375
Dehn C 349
Deming Co 388
Den Ouden H & Son.336
De Pew Bros 342
Des Moines Plant Co 382
Dickerman C E....343
Dietsch A & Co 376
Diller Caskey & Co.377
Dillon J L 342
Dillon G'house Mfg.380
Dingee & Conard Co.335
Dorner F & Sons Co.342
Dreer Hy A...337-64-80
Dumont & Co 374
Dunne & Co 387
Eichholz H 347
Eisele C 380
Eisele J G 364
Elizabeth Nurs Co 333-34
Elliott W & Sons....ii
Elliott W H i
Ellwanger & Barry.338
Elm City Nurs Co...336
Emmans Geo M....364
Endtz Van Nes & Co 336
Falls City Wire Wks.. 376
Farquhar R & J Co..ii
Fellouris A J 370
Felthousen J E....348
Ferris Dean 364
F & F Nurseries...338
Fick & Faber 343
Fillow & Banks....344
Foley J 371
Foley Mfg Co 388
Foster L H 365
Friedman J J 388
Funke A 339
Gammage J & Sons 381
Garland G M. 376
Ghormley W ...369-71
Giblin & Co 376
Good & Reese Co...349
Goodale B E 382
Grainger E & Co. 381
Greene & Underhill 348
Greenhouse Mfg Co 378
Gullett W H & Sons 346
Gunther W H 371
Guttman A J ..371-73
Haerens Bros 366
Hagenburger C 364
Hammond J A 371
Harris E 347
Heacock Jos 366
Heikes W F 346
Helms Upton Co 377
Herendeen Mfg Co. 387
Herr A M 342
Herr D K 348
Hermann A 380
Hews A H & Co ..376
Hicks & Crawbuck 371
Hill E G Co. ...375
Hillinger Bros ...376
Hill Top G'houses .339
Hinode Florist Co ..333
Hippard E 377
Hitchings & Co iv
Holton & Hunkel Co.375
Hoopes Bros & Thomas 346
Horan E C 371
Horsford H S 338
Hor'l Advertiser .. 378
Howe J H 370
Hughes G J 347
Hunt E H 375
Igoe Bros 342
Invalid Appliance Co 388
Jackson & Perkins Co 337-38-39
Jacobs S & Son....379
Jenkins Nurs 338
Jennings E B 339
Jessamine Gardens .364
Jewett City G'houses 342
Johnson & Stokes ...333
Jones H T 338
Joosten C H 336
Kasting W F 375
Kay W H 388
Kennell J F 333
King Cons Co....380
Koster & Co 339
Kraft T 342
Kramer Bros 338
Kreshover L J 369
Kroeschell Bros Co.377
Krombach C 366
Kuhl Geo A 365
Lager & Hurrell . 365
Landreth D & Sons 335
Lang J 369
Langjahr A H 371
Lenker C 339
Leonhard T 343
Limbach C 376
Lindstrom J 365
Littlefield S 343
Little So. Floral Co.343
Livingston Seed Co..376
Lumb C W & Son.... 386
Mauger W & Sons..335
Mathews G P.... 384
Lockland Lum Co .377
Long D B 376
Longsdorf C L 339
Lord & Burnham Co.iii
Lovett J T 335-49
Mader P 347
May L L & Co....337
McCarthy N F & Co.374
McFadden E C. 384
McKellar & Winterson 375
McManus J 367-71
Meyer C F 333
Michell H F 333
Michigan Cut Flower Exchange.... 384
Mills 338
Moninger J C Co....380
Moon S C 337
Moon Wm H Co. .338
Moore, Hentz & Nash 371
Moore W J 374
Morris J W 347
Muno J 375
Murphy Wm 342
Myers & Samtman 346
Nat Board Trade...370
National Plant Co..346
Newell & Ames .365
N J Cut Flower Co.371
N Y Cut Flow Co ...371
Niessen L 375
Norwich Nurs 339
Ouwerkerk P 336
Peacock W P. 385
Pennock S S 369-74
Perkins J J 368-71
Phila Market 369
Pierce F O Co 388
Pierson F R Co....i
Pierson Sefton Co ..380
Pinehurst Nurseries 339
Pittsbg Cut Flow Co.375
Pitzonka G 339
Pollworth C C Co .375
Quaker City Mch Co 377
Rawlings E I 347
Rawson W W & Co 335
Raynor J I 371
Reed & Keller 378
Reid Ed 374
Reinberg George ...375
Reinberg Peter 344
Reynolds J L Co 378
Richards F W & Co 369
Riedel & Co . 371-72
Rieman Pub Co.... 384
Ripperger Geo ...378
Robinson H M & Co 370
Rupp J F 348
Sackett Bro 338
Saltford Geo 368-71
Sander F & Son .365
Schmidt J C .339-47
Schultz F W O ii
Schultheis A 364
Scott J 383
Scott R & Son 346
Shellr'd G'houses . 335
Shepherd Mrs T B Co 335
Sheridan W F ..371-72
Shell J G 344
Sim Wm 346
Sinner Bros 375
Slinn B S Jr 371
Smith C 371
Smith H J 370
Smith L 347
Smith N & Son ...339
Smith S A 387
Smith Wm C 370
Smith W & T Co.338-46
Soltau C 339
Springfield Floral Co 346
Steinhoff H C 366
Stern J 378
Stearns A T Lum Co 388
Stoothoff H A Co 363
Storrs & Harrison Co 366
Stove & Steele 334
Stumpp & Walter Co ..ii
Sunny Brook Daffodil Farm .. 347
Sutherland G A . 374
Swayne W 342
Syracuse Pottery Co 376
Taylor E J . 344
Thompson J D . 343
Thorburn J M & Co 335
Tilden M ..346
Tobacco W & T Co 387
Traendly & Schenck 371
Utica Floral Co 369-65
Vandegrift F B & Co 336
Vanhorne Griffin & Co 377
Vaughan's Sd Store ii-335
Vesey W J & M S ..ii
Vick's Jas Sons 333
Vincent R Jr & Son 335-36-48
Vreeland F D ..346
Waltz 375
Warburton C ...342
Waterfield G W 346
Waverley G'houses 339
Weaver G A Co [illegible]
Weber C S & Co 377
Weber H & Sons 343
Webster Bros 381
Weeber & Don . 335
Welch Bros .374
Wenk P 338
Weston H .. 365
Whitestone & Co 378
Whilldin Pottery Co 376
Wickersham & Co ..347
Wietor Bros ...343
Winget A J 384
Winterich C 347
Wittbold Geo Co . 366
Wood Bros 344
Yates G A Florist Co 370
Young J ..371-73
Young & Nugent .. 371
Zimmer C 337

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.
Abutilon 348-64
Achillea 346 49
Adlumia 339-49
Ageratum ...344-46-47-48-49 64 80
Alpine Plants . 339
Alternanthera .347-49
Altheas 336-37
Alyssum 347-48 49
Anemone 339-45-49
Anthemis 347-49
Anthericum 364-80
Araucaria i-366
Asparagus ...333-37-38-39 44-46-47-48-49-64-68
Asters ii-333-39-47
Aucuba ii
Azaleas ...333 36 37-39-47-49 64-65-66
Bedding Plants 365
Begonias ...ii-333-39-47-48-64
Berberis 337-70
Bougainvillea 364
Box 334-39
Bulbs (not named) 333-75
Caladium .ii-33-45-48-64
Callas 335
Campanula 339-49
Candytuft 347
Cannas ii-334-35-36-38-39-44-45-46-47-48-49-66
Carex 339
Carnations ...339-42-43-44-46-64
Centaurea 335
Chrysanthemums 339-43-44-47-48-49-64
Cinerarias 365
Cinnamon Vines 348
Citrus 338
Clematis ...ii-336-39-46-49-64-80
Clethra 337
Cobæa 335-47-80
Coleus . 334-35-42-44-47-48-49-64-66-80
Conifers 336-38-39
Coreopsis 339
Cosmos 335
Cuphea 344-46-47
Cut Flowers . 368 69-71-72 73-74-75
Cycas 333-35
Cyclamen 347
Cyperus 335-46
Daffodils 335-47
Dahlias ii 333-35 36 45 48
Daisies ...339-44-47-49
Decorative Plants 365-66
Delphinium 339
Deutzia 337
Dielytra ii-336
Dracæna 347-64-66
Ericas 364
Evergreens .334-36-38-39
Farfugium 335
Fern Balls ii-33 37-45-66
Ferns . i 44-46 64-65-66-69-70
Feverfew ...344-48-80
Ficus ..i-336 39-64-65-66
Fuchsias ...35-44-46-47-48-49-64-65 66 80
Funkia 349
Gaillardia 348
Gazania 347
Genistas 347-65
Geraniums ...334-35-46-47-48-64-65-80
Gladioli ii-333-39-48
Gloxinias ii-333
Heliotrope ...335-44-46-47-48-80
Herbaceous Plants 339-40
Hollyhocks 349
Honeysuckles ...334-37-39-46
Hyacinths ii-333-47-48-49-66
Hydrangeas ..336-37-39-46 47-48-49-64-66
Ipomœa 344-47-49
Iris 337-45-49
Ismene 335-48
Ivy .337-38-39-44-48-64-65-80
Jasmine 349
Kin Kans 336
Lantana 347-48-80
Lemons 336 46-49
Lilacs 336
Lilies ...i ii 333-36 47 48-49-71
Lobelia .347 48 64 80
Maples 334-38 39
Maderia Vine 333 36 48
Maranta 347
Myosotis 339
Narcissus .. ii-335
Nursery Stock 333 36 39
Orange 336 39
Orchids 365
Oxalis ..348
Palms ...i-333 35 36 37 45 49 64 65 66
Pansy 339 47 48 64 65
Pelargonium .. 348
Peonies 336 39 49
Petunia .335 46 47 48 64-80
Phlox . 334 37 47 48 49
Phormium . 335
Pinks Hardy 349
Plumbago 346
Primula .. 347 48 80
Privet 334 36 38 39
Pyrethrum .. 339 49
Rhododendron 336 39 47 66
Romneya 335
Roses i 334 36 37 39 42-44-45 46 47 49 66 80
Salvia 339 44 47 48 49-80
Sedum . 339 48 49
Seeds (not named) ii-335 75
Selaginella . 347-65 66
Shrubs 334-36-37-38-39-64
Small Fruits .. 337-39
Smilax . 344 48-49-69-70
Spiræa 336-37-49-66
Stevia 347
Stocks 347
Swainsona . 347-48
Sweet William . 339-47
Syringa 337
Tradescantia 347
Trees ...334-36-37-38-39
Tritoma 349-64
Tuberoses ii-333 45 48
Tulips ii-347-49
Vegetables ii 335 36 39
Verbena 339 42 44-47 48-80
Vincas . 339-46-47-48-49-64-80
Vines 334-37-38-64
Violets 339 46-47 49 64
Water Lilies .. 348
Wistaria .. 337
Yucca . 336 37-48
Zephyranthes 348
MISCELLANEOUS.
Auctioneers 376
Baskets .. ii 348
Boilers iii iv 376 77 79 80
Books 339 46 64 65 75
Brokers 336
Collections . 370
Cut Flower Boxes 376
Decorative Greenery 348-69-70
Designs 371-74 75 76
Fertilizers 378
Florists' Letters 374 76
Fittings 377
Florists' Supplies 348 74 75 78 80
Flower Pots etc 374 76
Forwarding Agents 336
Galax . 369 70
Glass 376 79
Glazing Points 380
Greenhouse Bldg iii iv 376 78 80
Gutters 376 77-80
Hose .. ii
Insecticides . 361 78
Lawn Mowers 380
Lumber iii iv 377 78-80
Moss . 369 70
Newspapers ..378
Painters' Supplies ..376
Pipes Joints and Valves ... 378
Printing 371 76
Putty 377-79
Ribbons .. 374
Sash 377-78
Stakes & Supports ii [illegible]
Thermometers 377
Tile . iv
Tinfoil 370
Toothpicks 378
Ventilators iii iv 377 79-80
Wants [illegible]
Wax Flowers & Designs 378

The Heating Plant
of the
GREENHOUSE ESTABLISHMENT OF THE DALE ESTATE
AT BRAMPTON, ONTARIO.

By Robert W. King,
Mechanical Engineer of the King Construction Company.

The Design of the Plant.

The establishment of the Dale Estate is the first on record where an economizer system has been introduced into greenhouse heating, for which reason a description of the principles embodied should be interesting.

An economizer is an arrangement whereby part of the heat that would otherwise pass up the chimney is used to heat the return water from the heating pipes before it passes into the boiler proper. In some cases, sufficient heat, which would otherwise be entirely wasted, can be captured to raise the return water to the temperature of the water in the boiler and to make, besides, considerable steam.

After experimenting with other types of boilers, and in consultation with the late proprietor, Mr. H. Dale, a water-tube boiler was selected, mainly for two reasons; it replied quicker to the action of the fire, which is an element of economy, and the circulation of the water in passing through the tubes admitted of a control in its direction; the cold return water entering the tubing where the surrounding heat was leaving for the flue had the effect of reducing the temperature of the chimney gases, which, if properly followed up, is an additional element of economy.

The first steam boilers used by the Dale Estate were 10 horse power each, and the order was for two boilers only, separately installed, so that one could be used while its neighbor might be under repairs. The tubing was one-inch piping. This battery was eventually increased to six sections set as three separate boilers, and having three fires only in the battery. It was very efficiently arranged as regards the circulating system, and gave a final temperature entering the smoke stack of 90 to 95 degrees Centigrade, in a number of tests extending over several years, the highest ever shown being 95 degrees, all fires working at the time. On deciding to increase the business, a new battery was started with 20-horse-power sections placed together in twos over one fire, each fire then being 40 horse power. Though the matter of again doubling the size of the boiler units has been under consideration, it has so far not been adopted by this Estate.

The original plant was designed for the burning of hard coal, with fires that would maintain steam pressure all night without attendance, and that object was well and economically accomplished.

The next problem facing the writer was a change of fuel to soft-coal screenings, and the burning of the same practically without smoke. Years of experimental labor and study have been put on this problem, including the introduction of the economizers (G). These in the older battery were placed in an extension at the back, necessitating, of course, a larger cellar and entailing an extra loss of heat from radiation through the increased amount of brickwork employed.

It was the encouraging results arrived at (as indicated by the appended tabulated tests), showing that any further economy of fuel would be practically an impossibility, that largely weighed in deciding to leave the proportions in the new plant as they were rather than to risk a relapse in attempts, with the limited time at command, at any radical change of the same. The improvements decided upon in the new battery were, the raising of the boilers to the same working level as the houses; the placing of the economizers under the boilers proper; and the smoke tunnel below again, effecting an economy in space with no more radiating brickwork than would be necessary for the boiler itself.

The tunnel (T) is seven feet in height and five feet in width, and serves for a settling chamber for the fine dust and ash that usually appear as gray matter at the smokestack top, as it falls to the bottom of the tunnel, to be removed at intervals, with the ashes, by the carrier (X).

By placing the boilers above ground their life is materially increased, since dampness during Summer months, when the plant is idle, is the cause of a large portion of boiler deterioration. The boiler room can be better lighted, which is also of importance when machinery has to be used therein.

By having room for underground smoke flue, or dust accumulator, of any desired capacity, with return heaters also installed under the boilers proper, as shown, no more floor space is required than would be called for by the boilers alone, and a corresponding saving in area of building and losses from radiation is accomplished. The boilers, by being thus relieved of cumbersome smoke flues, and with economizer chambers on the same level, are made much more accessible for examination and repairs; the back plates of the boiler can be entirely removed. The return heaters (G) can be easily disconnected and withdrawn (on a track provided for that purpose) through a door in the back plate, for repairs, and the boiler connected up and operated without heater, if desired. The tops of the boiler are clear of smoke pipes; enabling the space above them to be used for coal bins, machinery, steam connections, etc. In the whole arrangement, consideration has been given to the matter of insurance against fire. It will be noticed that all the important pipes are brick supported, or run underground, so that in the event of the roof burning off, the main heating plant would not be otherwise seriously disabled.

A great deal has been said about the relative values of water-tube and ordinary fire-tube boilers in greenhouse work. I have referred above to the elasticity, or quick response, of water-tube boilers to the action of the fire. The water tubes in the boilers first used by the Dale Estate were only one inch in diameter. As the size of the tubes is increased, part of the elasticity of the boiler is lost, as the tubes hold then a greater amount of water in proportion to the surface exposed to the fire, and this is the important point to be kept in mind. Consequently, were a fire-tube boiler designed to have the same proportions in this respect as obtain in a water-tube boiler and to have as efficient an interior circulation, it would be equally elastic responding with equal rapidity to the action of the fire. Again, could the "direction" of the circulation be in some way as well controlled in the fire-tube as in the water-tube boiler, both types would be equally efficient in this respect also. This can practically be accomplished by the use of our economizer system. But we may add that unless care be taken in piping the radiating system to correspond, then the advantage of any boiler plant correctly designed in this respect may be entirely lost.

A striking illustration of the above is to be found at the Date Estate plant. The original batteries were laid on the gravity-return principle, with the bulk of the return ends of the heating coils a long distance from the battery, and as further extensions would be made it became impossible to even keep the heating coils hot to their ends; consequently the return water came back to the boilers cold, its temperature having been found, in some instances, to be as low as 60 degrees, its full heat having been expended in some way in the spaces heated, though not necessarily in the houses themselves.

It was while the plant was in this

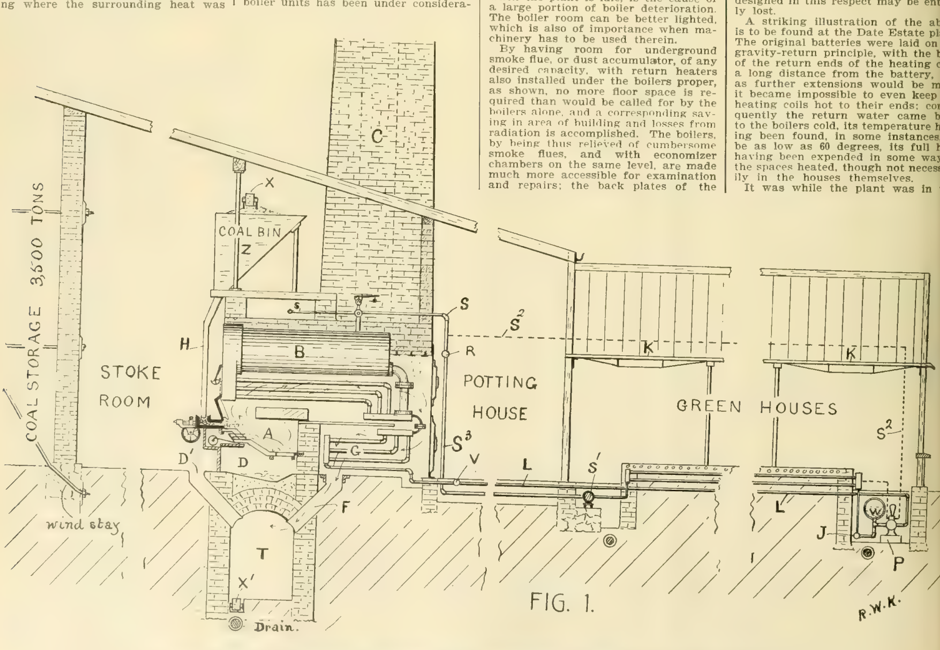


FIG. 1.

DIAGRAM SHOWING THE HEATING SYSTEM AT THE DALE ESTATE, BRAMPTON, ONT. (PART ELEVATION).
Courtesy of The King Construction Co. For Particulars see Text.

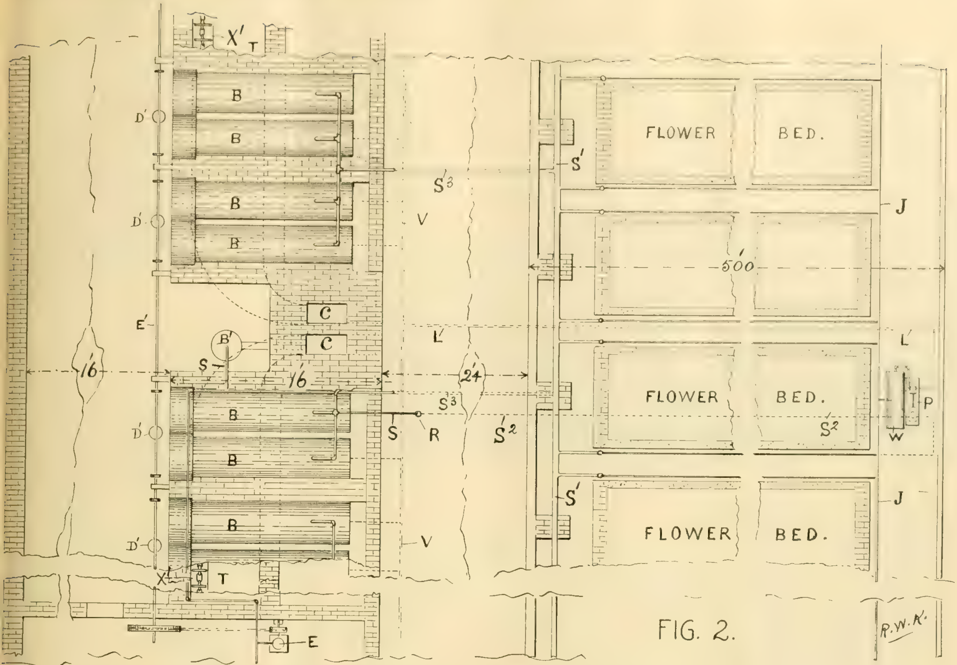


FIG. 2.

DIAGRAM SHOWING THE HEATING SYSTEM AT THE DALE ESTATE, BRAMPTON, ONT. (PART PLAN)
Courtesy of King Construction Co. For Particulars see Text.

ndition that the first of the tests rein published were taken, after ich, and a further extension of ıses being made, a pump was inlled to ensure a forced circulation. is had become necessary, not only keep the further ends of the houses ated, but also to ensure the safety the boilers, which were showing inations of damage from low water. ter the installation of the return mp it was immediately noted by the emen, and sȯ reported to the writer, t to keep the houses heated when pump was in action was a much rder problem, and required a much ger expenditure of labor and fuel n when the pump was not in action. e real reason for this was not at first lized, though the writer had specil that the pump should be automatlly controlled and all returns trapped keep the steam back in the houses; up to the time of writing this has been accomplished. The seriouss of this omission (as no tests were ken after installation of the pump quite recently) was not determined til this season, when tests were de on identically the same fires, ted in exactly the same manner, and erated by the same men, the water, wever, being pumped back (as the t shows) at almost boiling temperae. The results are so interesting, l so appropriate an illustration, that publish them side by side. I may l, too, by way of circumstantial dence, as to the difference in econo given by the cold in favor of the returns, that in addition to the esnated supply of coal for the season which the pump was installed there re burned a lot of 200 tons left over m the previous season, and in addin extra amounts had to be purchased get through the season.

Having made other tests along these lines in various places and conditions, the writer is positively informed and convinced of the economy in fuel to be obtained by a correct and proper installation of the economizer system. This applies whether the boilers used are large or small, fire-tube or water-tube, hand or automatically fired.

However, it must be understood that though a system may be installed so that the greatest amount of heat possible is absorbed from the fuel, still the distribution of the piping, particularly the return pipes, may be such that the heat is not utilized to the best advantage; or, in other words, is wasted. In fact, it may be radiated unnecessarily in uncontrolled return piping in a way even injurious to the proper grading and distribution of the heat in the houses. In our improved system we distribute the heat of the water return piping evenly and proportionately with the steam piping, installing practically a combined steam and hot-water system, whereby the extra heat saved by the return-heater system can be more perfectly and fully used in the proper heating of the houses.

It must also be remembered that there is a limit to the extent to which heat can be gathered from escaping gases, since enough heat has to be left to give draft to the chimney. At best a chimney, and especially a low one, is a wasteful way of obtaining draft, and where it may be possible to collect all the heat from the furnace gases there is no doubt but that the chimney will be superseded by mechanical draft.

The business of flower growing is extending so rapidly, and heating plants are being made larger to keep pace with the growth of the rest of the establishment, that their proper designing is becoming very much of an engineering matter, and one that is more in the province of the professional engineer than the professional gardener. An attempt has been made at the Dale Estate to advance along engineering lines, and the work so far done has shown possibilities for still greater improvements, that will be heard of in the near future.

The tests taken in 1901 were certified to as follows: One foreman of the Estate keeping account of the weight and temperature of the water and signing his name to the same; another foreman keeping account of weight of coal used and pressure of steam, also signing his name to the same; a superintendent in charge of the whole test, and the three principals agreeing at start and finish as to the condition of the fire and water levels being the same.

The tests taken in 1903 were certified to by one of the engineering foremen and an assistant. The first test in 1903 was taken as the fires were found and as they had been run previously. The second, which shows a small improvement, was taken after attempts had been made to better conditions.

A comparison of the tests of the two years, one using cold returns, and the other hot returns, shows a large increase in fuel burned as against what would be required were a cold return water system efficiently installed. It should, however, be noted that in order to obtain sufficient steam under less economical conditions, the boilers had to be run harder, and the test of January, 1903, was taken under this condition; but the test of February, 1903, was taken at so nearly the same rate of combustion as in 1901 as to give better comparative results, the main difference being only in the temperature of the feed water, which was 178 degrees in the one as against 52½ degrees in the other. Thus comparing the best test in 1903 against the worst in 1901, we have an increased rate of fuel used in 1903 of about 35 per cent.; or, taking the fires as they had been run, an increased rate over what could be accomplished with an improved system of 50 per cent., meaning an unnecessary loss in coal of one ton to every three burned, and requiring the installing of

The Performances of the Plant.

Boiler Tests at Brampton, with Automatic Stokers.	1901 Jan. 14	1901 Feb. 18	1903 Jan. 22	1903 Feb. 6
Heating Surface of Boiler, 900 sq. ft. plus heater 150.				
Grate Surface, 16 sq. ft. plus heater 150.				
Fuel used, Screenings damp, with percentage of ash estimated at 15 per cent				
Duration of Test	6 hrs.	6.3 hrs.	4 hrs.	3½ hrs.
Average Steam Pressure	8 lbs.	5.7 lbs.	6¾ lbs.	6¾ lbs.
Temperature of Feed Water	58 deg.	52.45 deg.	120 deg.	178 deg.
Total Coal used from Pile	1200 lbs.	1800 lbs.	1800 lbs.	1300 lbs.
Ashes on above Estimate	180 lbs.	270 lbs.	270 lbs.	195 lbs.
Coal Combustible	1020 lbs.	1530 lbs.	1530 lbs.	1105 lbs.
Coal used per hour	200 lbs.	284.3 lbs.	450 lbs.	343 lbs.
Coal used per sq. ft. of grate per hour	12.5 lbs.	18 lbs.	25 lbs.	21 lbs.
Total Water Evaporated	10178 lbs.	15280 lbs.	11711 lbs.	9200 lbs.
Water Evaporated per hour	1697 lbs.	2413 lbs.	2928 lbs.	2628 lbs.
Water Evaporated per lb. of coal used	8.48 lbs.	8.48 lbs.	6.5 lbs.	7.1 lbs.
Water Evaporated per lb. of coal combustible	9.98 lbs.	9.98 lbs.	7.66 lbs.	8.32 lbs.
Water Evaporated per lb. of combustible from and at 212 deg.	11.88 lbs.	11.7 lbs.	7.93 lbs.	8.67 lbs.

three boilers where two would do the work.

It is not claimed that the full results shown in these tests are obtained from the use of only the heat in the return water; it must be understood as well that the lowering of a large percentage of the boiler, or heat-absorbing surfaces, adds to their efficiency, causing a less amount of boiler surface to do the same work. Thus a double advantage is gained; the return heaters, besides heating the water to the steam heat, raising, in addition, considerable steam.

In addition, it must be understood that the fires under test, being a part only of a battery supplied by a single smokestack, the extra amount of fuel burned in order to supply the demand for steam would have an injurious effect on the draft where the smokestack was originally designed for a much less rate of combustion. This, with a somewhat deeper fire that would result, would give less air to the fires; and since the battery in 1901 was expertly adjusted and a proper balance of air secured by a series of gas analysis tests, this balance would be disturbed so the fires themselves would burn in a less efficient manner. Whatever theories may be advanced, the tests themselves are from actual conditions and are positively indisputable. The results can only show the importance to be attached to correct engineering practice both in the installation and management of a steam-heating plant.

Description of the Construction.

Fig. 1 is a part elevation, Fig. 2 is a part plan, like letters referring to like parts.

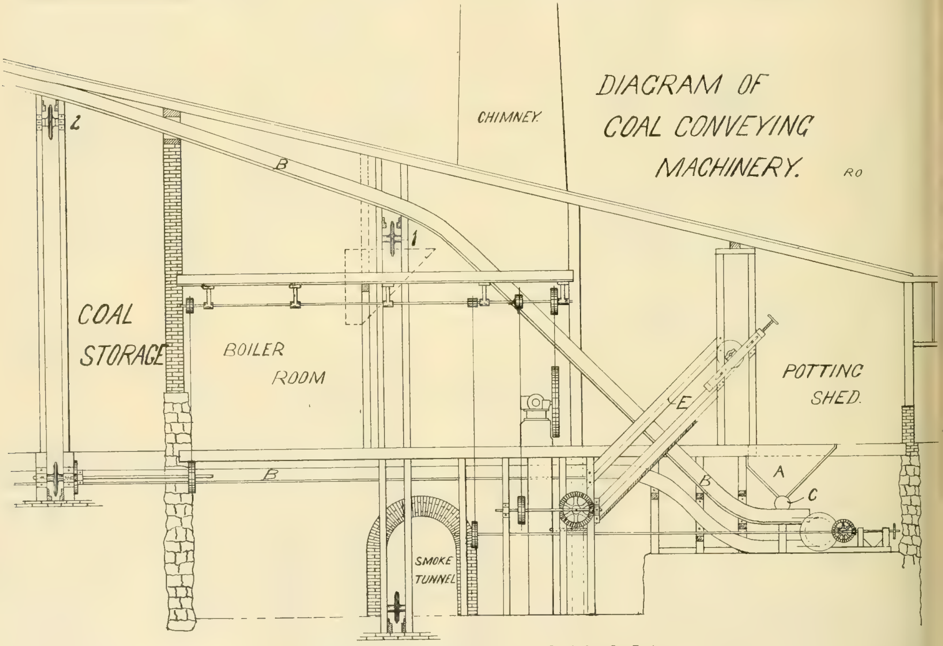
A is an automatic stoker fire; B B represents boiler sections of 20 horse power each, under natural draft; B 1 is a small high-pressure boiler; C C are smoke stack flues, the stack being double, each flue supplying a boiler battery on either side of the stack; D is ash pit, with water-tight bottom; D1 D1 are passageways for dumping ashes into the tunnel, T; E is small upright engine for driving the stoker operating shaft, E^1; F is smoke flue leading from boiler to tunnel, T; G is return heater; H is coal spout feeding the stoker, A, by gravity; J is main return pipe supplying water tank, W; K is a trussed iron roof gutter; L is return pipe from pump (P) to heater (G); R is a reducing-pressure valve; S is steam pipe from high-pressure boiler; S^1 is main steam pipe; S^2 is high-pressure connection to work pump; S^3 is low-pressure connection to main steam pipe (S^1); T is underground smoke tunnel and dust-collecting reservoir; V V are branches of the main return pipe (L) feeding the two batteries of boilers, the feed water first passing through the return heaters, G. X is a coal conveyor used to fill and spread the coal in the overhead coal bin (Z), which coal bin runs the whole length of the battery and supplies coal through the spouts (H) to the stoker fires. X^1 is the coal conveyor returning along the bottom of the tunnel (T) where it is used to remove ashes and dust from the tunnel in a way that will be explained under coal-conveying machinery. W is the water-return reservoir tank. It will be noticed that the return pipes from end of steam coils fall below the level of the water in tank and rise again, thus making a trap, or water seal, whereby all steam is kept back in the coils, and only water of condensation can enter the tank. It is also essential that the level of the water in the tank be automatically maintained at the same level by the use of a float-controlled pump in any usual manner.

Referring to the diagram of the coal-conveying machinery: The coal, being dumped into the hopper (A) is automatically fed to the conveyor (B) by the feed wheel (C); it is then carried up this conveyor trough by moving chain and floats (the latter being mounted on wheels to reduce friction) and deposited in either of five cross conveyor troughs, Nos. 1 and 2 only being seen in the drawing.

No. 1 is the conveyor passing over the boiler, partly shown in plans 1 and 2 at X; its use has been explained. No. 2 is one of four whose upper section deposits coal in store, while its lower section can be used to withdraw coal from store and deposit it in the lower section of the main conveyor (B), whence it is carried to the elevator (E) and there carried into the upper section of conveyor (B).

The position of the driving engine and belt and gear connections are clearly indicated on plan.

The operation is as follows: In taking coal from the wagons it can be deposited either in the cross conveyor leading to bin Z (Fig. 1) above the boilers, or in either of the four cross conveyors leading to storage buildings. The storage building is especially arranged and adapted to prevent heating and spontaneous combustion of the soft-coal screenings (of which there is accommodation for the storage of 3,000 tons). Without shoveling, or with a little work, an extra 500 tons may be added. There is also a simple arrangement by which coal may be withdrawn from any of about 40 positions in the shed and deposited in the cross conveyors to be elevated to the coal bin (Z) for use in the boilers, as previously explained. Or, in the event of the heating of the coal, it can be taken from any one part of the building, and, after traveling along the conveyors, cooled and deposited in any other part; though since the very effective system of ventilation of the mass in store, devised by the writer, has been adopted no heating of coal has occurred. Still every precaution has been taken to effectively deal with the question should a fire occur, as was the case previous to the installation of the ventilating system referred to.



Courtesy of The King Construction Co. For Particulars See Text.

National Florists' Board of Tra

In a circular letter, dated March 1903, Cornelius S. Loder, formerly s retary and treasurer of the Natio Florists' Broard of Trade, with offi at 271 Broadway, New York, announ a change in the management of this stitution as well as in its offic These changes have been rendered n essary owing to the pressure of ot important matters requiring Mr. der's personal time and attention. is now stated that arrangements h been made by which the requisite ti and attention will be given to the tails and management of the busin by Mr. John E. Walker, 56 Pine str New York City, who has been elec secretary and treasurer of the c pany. Mr. Walker is a well-known torney and a man of high standing the New York Bar. Records heretof kept at 271 Broadway have been tra ferrred to the new office at 56 F street, and the same experienced ployees will be in charge of the b and papers.

The new arrangement brings a fu er accesssion of legal strength into Board by the election of Messrs. liam A. Moore and Charles J. Dun both members of the New York Mr. Moore is the Assistant District torney of Westchester County.

Mr. Harris H. Hayden, who has cepted the presidency of the corp tion, is a business man of wide exp ence, having been the treasurer manager of several well-known c panies doing business in this city.

It is the intention of the Board, as constituted, to push the business v ously, and they hope to make the vice more valuable in the future t it has been in the past. Any sug tions in this direction will be hea received and most carefully consid by the new directors and officers, will be very glad to have the pleas of meeting members of the trade wh ever they are in New York City.

Flowering Shrubs in their Order of Blooming.

By Wm. A. Peterson, Chicago.

Before Twentieth Century Club of Oak Park, Ill.

When the last snow vanishes before the warm rays of the Spring sun, and our little ones are daily waiting to hear the first notes of the returning robin, nothing can be more a-la-saison than to turn our thoughts toward the garden. When the Autumn is prolonged, as it was last year, there is a favorable opportunity given for planting, which otherwise would needs be done in the Spring. Whatever improvements, or finishing touches, are to be made should now be planned for, so that a year's growth should not be lost.

A horticultural writer has said: "The yard is the outdoor parlor of the home." I wonder how many of us would be satisfied with the impression given of our housekeeping as judged from this standpoint.

A bright, sunny place, where the ground thaws out early, should be selected for the location of the advance guard for our grand promenade. The Japan quince and the golden bell are in full bloom before a single leaf-bud unfolds; they make a striking Spanish combination of bright scarlet and gold, but are more pleasing if not planted side by side. Where the back yard is large enough the early flowering "pussy willows" might be introduced as one of the harbingers of Spring.

The æsthetic and beauty-loving Japanese make annual pilgrimages to their sacred groves when the flowering cherry, plum and crab are decked in their kaleidoscopic wealth of ever-varying shades. The denizens of our dusty cities, who have never seen a fruit orchard in full bloom, have missed a great sight. The flowering almond represents this class for ornamental planting, and like many of its comrades from Asia, is most lavish with its blooms.

In preparing this paper I have had before me last year's "Blooming Diary" made at the nursery, so that whichever of the more prominent shrubs I may mention will be taken up in their sequence of florescence for this region. May 13 the large trusses of the lilacs began breaking forth with their unrivaled perfume, and though there are many other species and varieties, when it comes to the question of fragrance, they all have to step aside for the old-fashioned, time-tried, common lilac. It was cultivated quite extensively by the Persians, by whom it was called lilag, and our modern name is but a slight modification of the old one.

The next to bloom are the bush honeysuckles, a numerous family. The tartarian section, being of erect habit, are largely used as hedge plants, while the Japanese spreading forms are among the best material for mass planting. They all vary in the color of the blossom, and are even more attractive in August, when appear the bright red and orange berries, which often hang on until late Autumn.

As in the animal kingdom, we find a kind Providence furnishing many different means of protection, just so has Dame Nature provided some of her offspring with adequate weapons of self-defense. It would seem for this reason the prickly ash, the flowering thorns, the barberries and the buckthorn, all of this period, by being well armed are enabled to ward off the enemy, intent on despoiling them of their attractive flowers or fruit. The wild rose, which also blooms at this time, is thus protected by thorns, yet its sweet and simple beauty as it grows so brightly in roadside, nook or meadow, has ever been a favorite theme with the poets.

The real "high tide of the year" is undoubtedly just before Decoration Day, when all the earlier shrubs are still holding their own, and that prodigal of beauty, the Van Houtte spiræa, breaks into bloom like great drifts of snow left behind in the hurried march of the Snow King. From this time on, for the balance of the Summer, we have one or another of the spiræa family in flower with us, but the peer of them all is the one named after Louis Van Houtte of Ghent. He who had every possible honor bestowed on him in his lifetime for his world-famed horticultural attainments, will through this one plant have his name kept in pleasant remembrance by future generations long after his other honors are forgotten. My father while in his employ, was highly complimented in being sent to America in 1851 to execute some of M. Van Houtte's landscape plans.

The snowball, as well as the spiræa, is also a good bloomer for Decoration Day, and like all of the viburnums, grows well in the shade.

One week later, or about the 6th of June, the peonies usually begin to unfold, but instead of lacking words to describe them, I fear my enthusiasm, should I begin to tell about my favorites, would weary you. Suffice it to say that this family comprises many hundred single and double varieties, ranging from purest white to deepest crimson, in every possible combination of shade, form, and size, while many are delightfully fragrant.

By the middle of June the double roses enter the lists, and from then until frost continue more or less in bloom, providing they had the proper Winter protection and are sprayed regularly with insecticides.

After July 4 we can no longer be particular, as from then on the flowering shrubs are not as numerous. The giant tree lilac of Japan blooms during July with large terminal sprays of white, as does also the great family of privets. Then the common and unappreciated native elderberry completely covers itself with a great number of little white umbrellas, which later, in berry, are a feast for the song birds. The sumach, potentilla, Indian currant, and snowberry are flowering at this time, and are laying the foundation for the showy fruits which follow later in the Fall. Even now the first of the early flowering shrubs begin to color up their fruit, especially the honeysuckles, wayfaring tree, thorn, barberry, dogwood, bird cherry, and buckthorn.

For a tropical effect the hardy yucca is very largely used, and the terminal spikes of the ash-leaved spiræa are highly prized for July blooming.

The plant known to the botanists as Aralia spinosa is truly beautiful when surmounted with a great mass of white; its common name of devil's walkingstick is most appropriate, as its bark is one mass of spines.

Although not a shrub, the native clematis is at this season one of the most floriferous plants to be seen, and its poetic name of "Virgin's bower" suggests its dainty purity. In this connection I must say, however, that the Japanese clematis, coming a month later, both supplements the period of flowering of our native variety, and also surpasses it in profusion and in delicate fragrance. An old established plant, when completely enveloped in a mantle of starry blooms, it may be likened to the "milky way."

The most generally used and best known shrub for late Summer effect, in the East, is the althea, also known as the rose of Sharon, introduced into Europe three hundred years ago, supposedly from Syria. Unfortunately, in our climate the new wood often freezes back.

There remains but one more shrub of marked blooming habit to describe; and this is so strikingly bold in aspect and so common in every dooryard that the fact of its being so much in evidence makes its presence at times a little tiresome. I refer to the hardy hydrangea, a native of Japan, which was not introduced into commerce until 1874. In the botanical gardens at Washington are still to be found growing some plants of the original importation to this country. It is, however, evidence of its real worth that in such a surprisingly short time this shrub has forced itself forward into a place in the front rank.

There is a beauty in shrubbery which should not be overlooked, many species being even more attractive in form, leaf, or fruit than in blossom. Among shrubs with foliage of a solid color other than green, the best in each class are the purple barberry, silver-leaved oleaster, and the golden elder. For a mixed foliage of silver and green the variegated-leaved dogwood is the most durable.

In planning the landscape treatment of a piece of property we also endeavor to use material representing the various shades of light and dark green, and by the proper planting of trees obtain certain shadow effects on the lawn, both to give diversity and length to the perspective. Some vista should embrace a group of trees and shrubs arranged for autumnal foliage effect, and thus enhance whatever charms the place may have.

It seems odd that, when certain kinds of leaves invariably assume a particular hue, others will take upon themselves as great a variety of glowing tints as the rainbow.

While the leaves are falling we notice, often for the first time, how beautiful the fruit of the high bush cranberry is. The winterberry, a hardy holly, used so much at Christmas, is now loaded with bright berries, and our native black chokeberry is also a good spreading shrub for Fall fruit ef-

PEONY BLOCK
BUSH HONEYSUCKLE

AT PETERSON'S NURSERIES, CHICAGO, ILL.

VIBURNUM LANTANA
LARGE FLOWERED SYRINGA
GREEN BERBERRY

IN PETERSON'S NURSERIES, CHICAGO, ILL.

fect. In this connection we must not forget the wahoo, the nannyberry and the rich red or black heps on the single rose; and what can be more beautiful than the festooned sprays of the barberries?

Last Fall while showing a lady about the nursery, what struck her fancy the most was the speckled alder, the bark of which she likened to the breast of a brown thrush.

When a dash of color is wanted to enliven the Winter landscape, and the space does not admit of the use of trees, we have at our disposal the red-barked Siberian dogwood and its golden-stemmed American relative, as well as several dwarf low-growing willows of blue and purple bark.

No doubt every feature that enters into the so-called character or desirability of shrubs seems to have been covered, but they also have dispositions as divergent as the human race. To me the "beauty unadorned" of the bare outline of a tree or shrub stands for much.

The arrowwood, to use the Indian name, is as true and trustworthy as the shaft into which it is easily shapened.

In these cursory notes we have now made a complete cycle of the year, but it is a subject composed of so many individuals it has been difficult not to slight some of real merit, and still avoid reeling off a mere catalogue of dry, uninteresting facts.

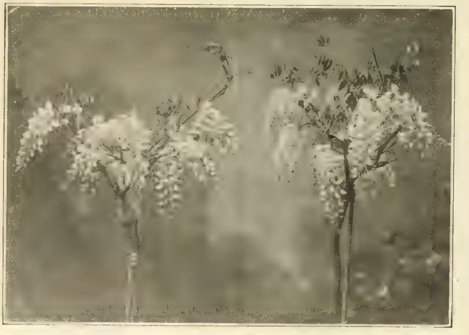
We associate gardens and orchards with the perfect conditions of mankind. Amos Bronson Alcott said: "Gardeners ourselves by birthright; the sacredness of earth and heaven still clinging to the tiller of the ground. His is an occupation friendly to every virtue, the freest of any from covetousness and debasing cares. It is full of honest profits, manly labors, and brings and administers all necessaries; gives the largest leisure for study and recreation, while it answers most tenderly the hospitalities of friendship, and the claims of home.

"The delight of children, the pastime of women, the privilege of the poor man, as it is the ornament of the gentleman, the praise of the scholar, the security of the citizen, it places man in his truest relations to the world in which he lives. And he who is insensible to these pleasures must lack some chord in the harp of humanity, worshiping, if he worship, at some strange shrine.

"Who loves a garden
  Still his Eden keeps;
Perennial pleasures plants,
  And wholesome harvests reaps."

Wistaria Sinensis.

The two plants shown in the accompanying illustration were photographed on February 1, 1903, at the establishment of Endtz, Van Nes & Co., Boskoop, Holland. The plants are almost seven years old, grown to standard shape, and are such as that firm supplies to the trade for forcing purposes. The picture speaks for itself as to the desirability of the wistaria for such a purpose.



WISTARIA SINENSIS, FOR FORCING PURPOSES.

AMONG THE GROWERS OF EASTER STOCK.

There is a general complaint again about the lilies for Easter, and the Japan longiflorums are a source of anxiety to those who are growing them in large numbers. It seems rather hard on the grower when, after buying bulbs, and growing them several months, giving them good care and treatment, that he has to throw out from twenty-five to fifty per cent. of the stock because it is no good. We hear complaints from many sources about the large percentage of bulbs planted that turn out to be useless; in fact, we have heard some growers remark that they would be perfectly satisfied if the loss of bulbs did not run over twenty-five per cent. It is very evident that the Japanese bulbs that reach here every season are in a terribly mixed condition, and among them are types that are almost worthless for forcing purposes, however good they may happen to be in Japan.

Anton Schultheis, of College Point, L. I., has the finest lot of Easter plants he has ever had. The Crimson Rambler roses are in magnificent shape; there are two houses, one 150 feet long, and one 100 feet long, filled with these plants, and we never saw this rose so well budded before. The smaller bush-shaped plants have from 20 to 24 flowering sprays each. A noticeable feature about these roses is the absence of mildew, or greenfly. They are perfectly clean and well grown. Some of them run as high as 7 or 8 feet, and are trained to pillar shape; others are trained in basket forms, while some are trained in balloon shape; but whatever the form, the whole batch is very well budded, and makes a magnificent lot of Easter flowering roses.

There is only a limited number of moss roses grown; these are not seen in the quantities of some years ago.

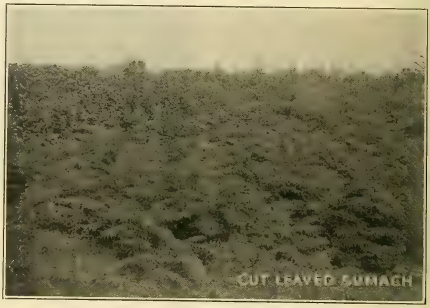
Of longiflorum lilies there are some 5,000 pots, and all in the best possible condition. The large-sized bulbs are being grown, and while there has been a certain percentage thrown away, the amount of loss has not been so large as reported at most other places. The plants are getting up to a nice average height, and will throw from 6 to 10 blooms per plant, which is certainly a good average.

There is also a nice batch of bougainvillea; these are trained in different forms, and will be in flower for Easter time.

There is quite a large stock of hydrangeas, all showing their flower heads, many of them beginning to show color already. These are what may be termed medium-sized plants, low growing, well furnished with foliage clear to the pot, and timed to be just right when wanted. There is also a nice lot of lilac coming in; the two varieties grown are Marie Legraye and Charles X.; also a goodly number of spiræas.

As is well known, this establishment is noted for ericas, and there are several varieties in flower for Easter, the stock all being exceptionally good.

The number of azaleas grown this year is very large; altogether there are six houses full, and it has been more a question of holding back than forcing, in order to have the plants just right for Easter. These have been held back in good shape, however, and will be at their best when the time comes to send them to the city. There is also an immense stock of bulbous plants grown, notably tulips, hyacinths, daffodils, and narcissus.



IN PETERSON'S NURSERIES, CHICAGO, ILL.

Charles Zeller & Son, Flatbush, potted 2,000 lily bulbs, and out of that number there are not more than 900 that will produce flowers for Easter; the remainder were discarded as worthless some time ago. It is a noticeable fact that those plants that are showing buds and are apparently in a good condition are all of the narrow-leaved type. The size of the bulbs grown is what is known as the 9 to 10, and from present appearances there will be an average of about six flowers to the plant. But this number even will not compensate for the throwing out of more than fifty per cent. of the bulbs planted.

Louis Schmutz's greenhouses are filled to overflowing with stock of various kinds. Lilies have shown about fifty per cent. of poor bulbs, and are looked upon with disgust by the grower. Camellias and azaleas are coming along nicely for Easter, as also are cinerarias, Primula obconica and spiræas. Mr. Schmutz has also a heavy stock of home-grown latanias and other palms, also a good supply of Pteris tremula. Boston ferns are being grown extensively; and we also noted a small batch of Nephrolepis, Anna Foster.

R. Dryer, of Woodside, L. I., has an exceptionally well-grown lot of stock for Easter. Lilies that will be in flower at that time number about 7,000 pots, and while this may seem a large number, we may state that these are all that are left out of 16,000 bulbs; the others have had to be thrown away. The 7,000 plants are of nice average height, however, and they run from six to eight flowers per plant. The stock planted was mostly 9 to 10 size bulbs. There is also a very fine house of hydrangeas; some 1,100 plants—all nice, bushy stock, carrying from six to ten or twelve heads of bloom to the plant. Hybrid perpetual roses are also grown in quantity; the varieties are mostly Magna Charta, Gabriel Luizet and Ulrich Brunner. These are very well budded and are timed to be just right for Easter. Lilacs are grown quite extensively, but the white variety is proved somewhat slow in throwing cut flowers. The plants were last Fall's imported stock, and they were evidently dug before the wood was sufficiently ripe. The variety Charles X. is doing very much better, and there will be a lot of nice plants of this lilac in flower for Easter.

A well-grown lot of Crimson Rambler roses, mostly in bush form, was also seen. There is not much attempt made at this establishment in training these roses. Spiræas have proved very poor for the last year or two, and no effort has been made to have a stock of these in flower. A house or two of azaleas look very promising.

Mr. Dryer has several houses of very fine palms on hand, a stock of home-grown Kentia Belmoreana is particularly strong and of a rich green color. He has also a very fine stock of Areca lutescens and branching rubbers. The demand for the latter does not seem to have been as heavy this season as in previous years. There is also a very large stock of small ferns suitable for jardinieres grown at this establishment.

John Scott is growing lilies at his Flatbush (L. I.) establishment, and has not been troubled much with disease nor with having many mixed types among the bulbs. There are about 5,000 lilies, and they will be in nicely for Easter. There are also about 800 nice plants of Crimson Rambler rose of medium size, in bush form, that are budding up very freely, and are in good condition otherwise.

The stock of Boston ferns is quite large, and there will be about 20,000 plants of this fern grown for the Fall season.

At the Keap Street establishment, palms and decorative plants are the chief features, though there are 3,000 azaleas that will be in bloom for Easter. There is in the decorative stock a nice lot of Pandanus Veitchii and a large stock of Dracæna Lindenii.

Seedling ferns are being grown in large quantities; and one of the specialties this Spring will be cannas. The latter have already been set up to start growth. The collection includes about 25 of the best varieties, and the total number set up is 100,000 pieces.

Mr. Scott has placed large orders with F. R. Pierson for Nephrolepis Piersoni, and intends to grow this fern extensively. Nephrolepis Scottii, of which previous mention has been made in these columns, is still looking very promising as a decorative fern. It has distinct features of its own that will make it welcome to the grower, though whether it will be introduced before 1905, or not, we are unable to say. It is a very compact growing fern, however, though not so compact as N. cordata. Compared with N. bostoniensis the fronds are not so heavy nor so wide; nor do they have the rigidness or stiffness seen in the Boston fern; but they are, on the contrary, gracefully pendulous and thrown well up from the center. Taken altogether, the fern is decorative, makes a fine plant while in a small pot, and if sent out will assuredly find many admirers.

American Carnation Society.

Varieties Registered.

By J. E. Krayer. Villa Nova, Pa.

YORKTOWN, a sport from Mrs. T. . Lawson, color blush white, shaded ght pink toward center. Grown ongside of Mrs. Lawson, with same eatment, it bursts only about 2 per nt. of the calyces; is as free a oomer; has same habit and stem. ith flower three and one-half inches diameter. Has kept its color for two ars.

ALBERT M. HERR, Secretary.

Carnation The Queen.

Our illustration represents one of the uses of the Little South Floral Co., South Natick, Mass., showing the mpany's new white carnation, The ueen, on the two benches at the left; so a vase of flowers of the same car- tion. This fine variety is the result a seedling (William Scott × Wil- m Nicholson) × Daybreak, and has oved itself a grand commercial sort. freedom of bloom is well shown in e illustration. F. J. N.

Observations and Conclusions.

On March 11 the writer had the pleas- e of a few hours among the carna- ns at Syracuse, N. Y., and while un- le to see Mr. Marquisee, owing to the fortunate illness of that gentleman, very pleasant visit was enjoyed nong the new aspirants to popular vor in company with Mr. Marquisee's icient foreman, Mr. Grassyl.

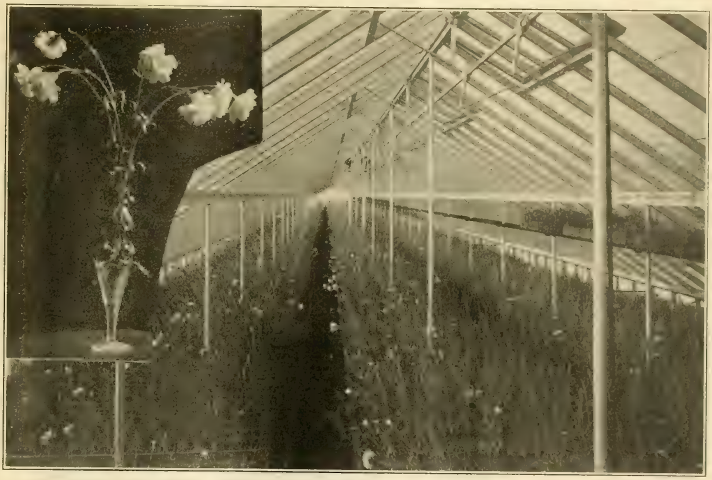
The point which impressed me first all with these new ones—Flamingo, batross and Sunbird—was freedom om surplus grass, and this is a fac- in their favor, for I believe a requi- e to be a clean, vigorous growth ich runs to flowers instead of grass. of Mr. Marquisee's seedlings seem possess a vigorous constitution, and th these three in general, but Fla- ngo in particular, there is hardly a n of anything but flowering wood. the three, Sunbird was the most at- ctive, due to the fact that Flamingo d Albatross are growing cuttings in- ad of bloom. I saw on them no sign disease, and the abundance of flow- on the foliage is an almost sure n of health and strength. These nations are fancies, and must be inted on as such, and as fancies they l take high rank; but that "free- oming, ordinary scarlet" is yet to be nd.

With proper handling this stock uld be in excellent condition for semination next Spring, and bids r to be a source of pleasure as well profit to the grower of high-grade nations. But a great deal depends keeping it in its present healthy dition.

To properly handle and disseminate novelty is an art. The failure of ny new ones to live up to the stand- set for them I believe to be a tes- onial to the truth of this. Several ones are living examples, or rather f-living examples, of the fact that ew variety can have its career ma- ally shortened by only a very little r treatment and mismanagement. ny distributors try to "get rich ck," and ruin not only the stock ich might otherwise have been a asure to us all, but by sending out erior cuttings they injure their own utation.

ne of our newest carnation firms, which has been handling one of the brightest stars on the horizon, deserves great credit for having seemingly mastered the art of handling stock in so short a time. But, on the contrary, several of our older firms have yet to learn that the stock a buyer will put up with at $15.00 per 1,000 will not be acceptable at novelty rates. With the competition for trade and the cheapening of stock, we see in many cases a falling off in the quality sent out. Just as in the case of rose stock. Instead of guaranteed goods at a fair price, we see the country flooded with stock at cut-throat prices, and goods to match. With a novelty, for on what comes as a novelty depends your future stock, one cannot be too careful, and the buyer is, I believe, perfectly justified in not accepting any goods which are below the standard. To accept a lot of poor cuttings and then to propagate from them does not give the variety a fair show, and it will not pay you financially to propagate from poor stock.

The finest carnations which I saw during my stay in Syracuse are the property of Mrs. Grassyl. Her husband has, without doubt, an equal, if not a superior, for this house of Mrs. Lawson is as fine as one would wish to see.



BENCHES AND VASE OF CARNATION THE QUEEN

Growers and Introducers, The Little South Floral Co., South Natick, Mass.

I understand that Mrs. Grassyl does all the work and also derives all the income. She certainly deserves the traditional "well done," for her Mrs. Lawson are winners for Syracuse.

I saw the carnation Empire State, but I regret the circumstance, for it is a sad sight to see a wreck of a variety giving its last gasp for life. Not a redeeming feature that I could observe; and yet the owner cannot be blamed, because he very honorably withdrew this one from the race.

With the longer days and the bright sun more and more feeding will be necessary. for with the increase in sunlight there is more rapid assimulation and a more rapid growth. A dressing of wood ashes will do a great deal to stiffen the growth and to give size and substance to the bloom. A little soot will add to the color, and liberal doses of liquid manure will aid matters materially.

Be careful of edges and corners, for with wind and sun they will dry out badly, and this is not conducive to good health. Full air can be given in the bright weather if the thermometer ranges about 65 degrees. Very little steam will be needed, and I prefer to do without it if possible. Green fly and red spider will flourish in this weather if not kept under control, and these should be carefully watched. A light mulch of well-rotted manure along the south edges of the benches will help, and with plenty of water and food the side shoots should come like the others with plenty of stem.

To keep back bloom is the question now, and the plants will in some cases need shade. This is true, particularly of the pink varieties. We find cheesecloth very efficient. I do not like to use lime in any shape on the glass, but prefer something such as cloth, which can be easily removed. With plenty of sun, the early Spring and good healthy stock there should be an abundance of flowers for Easter; but remember that a worn-out, faded bloom will perhaps be accepted, but on such there are few reputations made.

W. R. PIERSON.

Question Box

FERN FOR NAME.—Florida—The name of the fern is Nephrolepis rufescens tripinnatifida.

Plants for a Small Place.

(77) What are the best five varieties of geraniums, best six carnations, best four cannas, and best five chrysanthemums to grow in a small place? B. B.

—While we could not positively tell what are the four or five best varieties of the different plants mentioned, we can name some good varieties, and append the following:

Geraniums—Beaute Poitevine, salmon pink; Jean Viaud, pure pink; Frances Perkins, pink; John Doyle, scarlet; and S. A. Nutt, crimson.

Cannas — Tarrytown, crimson; Mrs. Kate Gray, orange scarlet; Mme. Crozy dwarf, gilt-edged; and Comte de Bouchard, yellow variegated.

Chrysanthemums—Yellow Eaton, yellow; Timothy Eaton, white; Mrs. Henry Robinson, white; Viviand-Morel, pink; and Kate Broomhead, orange.

Carnations — Lorna, white; Mrs. Thomas W. Lawson, cerise pink; G. H. Crane, scarlet; Governor Roosevelt, crimson; Mrs. G. M. Bradt, variegated; and Genevieve Lord, light pink. If novelties in carnations were to be purchased we would name: For crimson, President Roosevelt; scarlet, Flamingo; white, Governor Lowndes; light pink, Alpine Glow; dark pink, Mrs. Theodore Roosevelt and variegated, Mrs. M. A. Patten.

Chrysanthemum Frutescens in Violet House.

(81) Will Chrysanthemum frutescens do well in a violet house with the same heat as is given violets? Should the plants be in pots, or can they be planted in the beds among the violet plants? Will the shading on the house in the early Fall hurt them? Do they want rich soil, like a violet, and should young stock be allowed to bloom from the first buds if wanted for Fall and Winter flowering? A. B. C.

—Chrysanthemum frutescens should have a night temperature of 50 degrees, or a little higher rather than lower; therefore, the plants would not do much flowering while in a violet house. They can be grown equally as well in pots, or planted on the bench, though they flower better in the pots. Shade is not good for them at any time. Keep the buds pinched out and the plants growing until October; then let them flower at will.

Sand.

(82)—W. A.—The sample of sand received at this office had too much fine matter in it to be good for propagating purposes, and while some quick-rooting plants could be rooted in it with fair success we do not believe that the sand is suitable for a propagating bed where all kinds of greenhouse plants are to be rooted.

The School of Agriculture formerly at Briarcliff, N. Y., and more recently at Poughkeepsie, N. Y., of which George T. Powell was the director, is to be abandoned, and the property sold at public auction. Mr. Abram S. Hewitt's death and the illness of Mr. Andrew Carnegie are mentioned by Mr. Powell as reasons for the failure of the project after $50,000 has been spent upon it within a year. Last year four hundred acres of land were bought south of Poughkeepsie, upon which it was proposed to erect buildings to cost $200,000.

Fifth Annual Meeting and Exhibition

OF THE

AMERICAN ROSE SOCIETY

HELD AT

Philadelphia, Pa., March 24, 25 and 26, 1903

The fifth annual meeting of the American Rose Society was held in Horticultural Hall, Philadelphia, Pa., Wednesday afternoon, March 25, President F. R. Newbold in the chair.

The president made no introductory speech, but immediately called on the secretary to read his report. It was as follows:

Secretary's Report.

Notwithstanding a reduced revenue from annual subscriptions, our membership stands firm. There are 161 members on the rolls, of whom thirty-seven are life members. During the past year there has been the loss of one member by death, and four by resignation, and thirty-three other names have been dropped from the rolls in accordance with Section 4, Article 4, of the by-laws.

There is a large proportion of the membership in arrears with their subscriptions for the current year, and it is greatly to be hoped that members will meet their obligations without any further delay.

The number of the Bulletin which was issued this time last year, and which treated on "Diseases of the Rose," has been placed in the hands of every member of the Society, and has been given free distribution in other quarters wherever the opportunity seemed fit. It has been received with much appreciation, and is evidently valued by those interested in rose growing.

Your secretary again takes the opportunity to impress upon the members of the Society his belief that the publication of the Bulletin should be maintained under any circumstances. The papers which were presented at the rose convention in New York last year, in conjunction with those offered today, would afford material for a very interesting number. The Society might consider the advisability of making the publication of the Bulletin a regular feature.

The medals of the Society were offered at the Fall show of the Chicago Horticultural Society, at the Spring show of the American Institute at New York, and at the present exhibition of the Pennsylvania Horticultural Society. The silver medal was awarded to Franz Deegen rose in Chicago. There was no entry in New York, nor at the present exhibition.

The question of registration of varieties is brought to notice through the appearance of the variety introduced as "Canadian Queen." There has been some correspondence with this office over other introductions. Some of the foreign rose growers and rose societies in Europe and Australia write to this office for information respecting the introduction of new varieties, yet in consequence of the resolution adopted in 1901, by which all registrations are referred to the Society of American Florists, the officers of this Society are unable to satisfy inquiries, and it is suggested that it may be desirable to reconsider the motion referred to and have the American Rose Society look after the interests of new roses.

Following the secretary's report, Treasurer John N. May gave an account of the financial standing of the society, which showed that the receipts for the year had been $1,464.12; the disbursements, $494.00; and there was at present a balance on hand of $970.12.

A motion was made by F. L. Moore to amend the Constitution and By-laws so that in place of having an executive committee of six, the number be increased to twelve. After a discussion of this motion by H. Siebrecht, F. L. Moore, E. G. Asmus and John N. May, an amendment to the original motion was adopted making the executive committee seven instead of six.

The election of officers for the coming year resulted as follows: President, F. R. Newbold; vice-president, Emil Buettner; treasurer, John N. May; secretary, Leonard Barron—all re-elected. Three members of the executive committee to serve three years were also elected; these were Messrs. H. A. Siebrecht, Peter Crowe and Robert Simpson.

The meeting place for next year was then discussed, and as an informal invitation had been tendered by the Pennsylvania Horticultural Society to again hold the annual meeting in Philadelphia, it was carried by unanimous vote that that city be selected. The Pennsylvania Horticultural Society will, it is understood, present a formal invitation to the American Rose Society after the former has held its meeting the coming April.

President Newbold made a suggestion that the schedule be gotten out earlier in the season, thinking that this would conduce to more entries being made. On motion of Edwin Lonsdale, the executive committee was authorized to have the schedule revised and put in the printer's hands as soon as possible.

At this point the business meeting of the society was adjourned, and the doors were thrown open to the public to hear the different essays and papers which had been prepared.

At the conclusion of the reading of Professor Corbett's paper, Mr. Siebrecht asked if the quality of the roses produced by the plants under experiment had been taken into consideration, and the professor replied that only first quality blooms had been counted. The professor also stated that next year he was to experiment with fertilizers for the purpose of finding out whether the texture or substance of the flowers cannot be built up stronger by certain lines of feeding.

A vote of thanks was passed to Professor Corbett for his excellent paper.

Robert Craig then read his paper on "The American Rose Society and Its Work," which was followed by the reading, by John N. May, of the paper presented by E. G. Hill, of Richmond, Ind.

The Rose Exhibition.

The Spring exhibition of the Pennsylvania Horticultural Society and the American Rose Society was held in Horticultural Hall, Philadelphia, on Tuesday, Wednesday and Thursday of this week.

The competing exhibits in the classes of roses (prizes for which were offered by the American Rose Society), were fairly numerous, especially those for private gardeners only.

In the way of new roses, Breitmeyer & Sons, Detroit, Mich., showed a bunch of a pink seedling. The flower is not quite so deep in color as that of the Bridesmaid, though somewhat similar to that variety. It is unnamed as yet, and is the result of a cross between Mme. Caroline Testout and Bridesmaid. The American Rose Society's silver medal was awarded, the judges scoring this variety 90 points.

The American Beauty shown by John Burton and Adolph Fahrenwald were superb, as also were the vases of Queen of Edgely blooms grown by Myers & Samtman.

Peter Crowe's roses came in good shape from Utica, N. Y. In Benjamin Dorrance's prize collection the varieties were Bride, Mme. Caroline Testout, Meteor, Golden Gate, Liberty, Mme. Hoste, Mme. Cusin, Ivory, Mrs. Pierpont Morgan, Sara Nesbit, Sunrise and Bridesmaid.

The following is the official list of awards of the American Rose Society.

The judges were Robert Simpson, Clifton, N. J.; Edwin Lonsdale, Philadelphia, and Robert Halliday, Baltimore, Md.

Teas and Hybrid Teas—25 Cut Blooms.

Queen of Edgely—First, Myers and Samtman, Wyndmoor, Chestnut Hill, Pa.; second, The Floral Exchange, Philadelphia.

Bride—First, Peter Crowe, Utica, N. Y.; second, James Conroy, Plainfield, N. J.

Bridesmaid—First, Peter Crowe; second, John N. May, Summit, N. J.

Mrs. Pierpont Morgan Second, John N. May.

Mme. Hoste—Second, John N. May.

Mme. Caroline Testout—Second, John N. May.

Golden Gate First, Peter Crowe; second, John Burton, Wyndmoor, Chestnut Hill, Pa.

Papa Gontier—Second, John N. May.

Bon Silene -Second, John N. May.

Mrs. Oliver Ames—First, John N. May.

Ivory—First, John Burton.

Liberty—Second, John N. May.

Sunrise—First, John Welsh Young, Upsal, Germantown, Pa.

Any other named disseminated variety—First, The Floral Exchange.

Twelve Cut Blooms.

Bride First, James Conroy; second, John E. Andre, Doylestown, Pa.

Bridesmaid—First, John E. Andre.

Souvenir de Wootton—Second, George Morrison, gardener to Curwen Stoddart, Jr., Esq., Rydal, Pa.

Sunrise First, John Welsh Young.

Bride—Second, Robert Forrest, gardener to Clement B. Newbold, Esq., Jenkintown, Pa.

Bridesmaid—Second, Samuel Batchler, gardener to Clement B. Newbold, Esq., Jenkintown.

Souvenir de Wootton—First, George Morrison.

Groups, Pot Plants and Special Displays.

Group of roses in pots, arranged for effect, and covering 25 square feet of space—First prize presented by James W. Paul, Jr., Esq., president of the Pennsylvania Horticultural Society; second prize presented by The E. G. Hill Co., Richmond, Ind.—First, Wm. Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz, Pa.; second, Joseph Hurley, gardener to James W. Paul, Jr., Esq., Radnor, Pa.

Fifty blooms of American Beauty rose, the "Executive Committee's Prizes"—First, John Burton; second, Adolph Fahrenwald, Roslyn, Pa.

Any variety of rose (American Beauty and Queen of Edgely) 50 blooms—First, Benjamin Dorrance, Dorrancetown, Pa.; second, Benjamin Dorrance.

The largest and best display of cut roses, not more than 25 blooms nor less than six blooms of any one variety to be staged. First prize presented by President F. R. Newbold—First, Benjamin Dorrance; third, Wm. Kleinheinz.

Climbing Roses in Pots.

Crimson Rambler—First, Ernst Schreiber.

Special Prizes.

Hybrid perpetual roses, 24 plants, six each of four varieties, in not over eight-inch pots. Silver cup offered by H. Bayersdorfer & Co., Philadelphia—Awarded to Joseph Hurley.

Roses, cut flowers, Liberty, one vase of 50 blooms. Silver cup offered by Robert Scott & Son, Sharon Hill, Pa.—Awarded to Adolph Fahrenwald.

Stove and greenhouse foliage plants, 12 plants, palms or ferns not admissible. Silver pitcher offered by Henry A. Dreer, Inc., Philadelphia—Awarded to John Hobson.

The largest and best display of roses grown over 150 miles from Philadelphia. Silver cup offered by Benjamin Dorrance, Dorrancetown, Pa.—Awarded to Peter Crowe, Utica N. Y.

The Lord & Burnham Challenge Cup, presented by the Lord & Burnham Co., Irvington-on-Hudson, N. Y—Awarded to John Burton for American Beauty roses.

The Banquet.

At the banquet tendered the visiting florists and members of the American Rose Society by the Florists' Club of Philadelphia, which occurred on Wednesday evening, about seventy members and friends were present.

On the menu it was set forth that John Westcott, president of the Philadelphia Florists' Club, would act as toastmaster, but he relegated this duty to ex-Mayor Smith, who performed the function in his usual acceptable manner.

The toast "Our Honored Guests" was, in the absence of F. R. Newbold, president of the American Rose Society, responded to by Henry A. Siebrecht, of New York.

President Burton replied for the Society of American Florists. In the course of his remarks he said how convenient it was to have the American Rose Society's show in Philadelphia, for then it was much easier for the growers to take their prizes home than when they had to go to New York and get them.

William J. Stewart responded for the Horticultural Press, remarking that that institution was the best thing the trade; it not only published their doings, but was also a great he in keeping some matters from bei published. The horticulturists w a satisfactory "bunch" all over t country, and the press was their b friend.

H. Hughes then gave a vocal solo a pleasing manner, after which Rob Craig answered to the toast of "T Rose." Mr. Craig said the shamro appealed to the Irishman, the thistle the Scotchman, and the cornflower the German, but the rose appeals everybody. When that noble Scot poet, Burns, was at the height of inspiration, and pouring forth the hig est sentiments that he could utter, did so when he sang, "My love is lik red, red rose, that's newly sprung June." Mr. Craig also sang, at the quest of the toastmaster, the old Sc tish ballad, "Loch Lomond."

The next toast was "Progress in H ticulture," and should have been sponded to by E. G. Hill, of Richmo Ind., who was unable to be prese F. R. Mathison substituted and hand the subject in a masterful man Among other things he asserted tha should be possible for us to grow our bulbs required for forcing p poses. The percentage of lilies wh have been diseased has been very la and he thought the time would c when we could produce bulbs here. lilies can be grown successfully in M sachusetts and probably some ot parts of the country.

George C. Watson then made a remarks. Henry F. Michell respon for the Seed Trade, and Charles Eimerman for The Ladies.

Among the New York visitors pres were F. L. Moore, John B. Nugent, Henry Hentz, Jr., Leonard Barron, C. Steinhoff, Mr. Bonnot, Alfred Langjahr, Robert Simpson, J. A. Sh S. C. Nash, E. G. Asmus, John N. James Begbie, C. G. Weeber, H. Siebrecht and S. S. Butterfield.

During the afternoon a return b ing match was played between Philadelphians and Baltimoreans. game was rolled in the alleys co Eleventh and Arch streets, and resu in a victory for Philadelphia.

Show of Pennsylvania Horticultural Soci

In the displays competing for Pennsylvania Horticultural Soci premiums were to be seen many things in the plant line, notably splendid plants of Cineraria stel Some of the prize-winning specim grown in eight-inch pots, were at three feet high, with a spread of ers as much as 30 inches across. type of cineraria will undoubtedl a good thing for commercial purp as, besides being abundantly flor ous, the colors of many of the bl are also very pleasing.

Lager & Hurrell, Summit, N. J., a very fine exhibit of orchids in flo and Hugh Graham showed some standard plants in bloom of Ac pubescens, Peter Crowe, Utica, N exhibited a plant of his new Adian Croweanum, not for competition. ert Craig & Sons, Philadelphia, sh fine plants of double flowering ries, and Westcott's Laurel Hill N ery had a mixed group of plants in center of the main hall that conta many choice specimens.

Scattered about in different par the hall and in the foyer and on sides of the staircase were many flowering plants, including large s men rhododendrons, genistas, drangeas and marguerites.

A special prize was awarded to W cott's Laurel Hill Nurseries, Phil phia, for group of decorative p Certificate of Merit to Henry A. D Inc., for variegated Scarlet Sage similar award to A. Herrington, M son, N. J., for new carnations Ph and Una. Certificate of merit to N. May, Summit, N. J., for new ca tion, The Bride. Special mentio Henry A. Dreer, Inc., for Pand Sanderii. Special mention to Joh Haines, Bethlehem, Pa., for colle of seedling carnations. Special tion to C. W. Cox, Philadelphia, group of hydrangeas and spiræas special mention to Robert Cra Sons, Philadelphia, for Japanese ch trees in bloom.

Robert Craig & Sons were aw second prize for six pots, or pan Lilium Harrisii.

IMPROVEMENT OF ROSES BY BUD SELECTION

Or, Blind vs. Flowering Wood for Rose Cuttings.

Read by PROFESSOR L. C. CORBETT, Horticulturist, Department of Agriculture, Washington, D. C.

The results which are recorded in the article prepared under the above title are based on a series of tests with rose cuttings made from "blind" and "flowering" wood, and cover a period of five years.

The work was undertaken to settle a point in dispute among commercial growers of roses as to the relative value of plants grown from blind and flowering wood for flower production.

View Point, or Questions to be Settled.

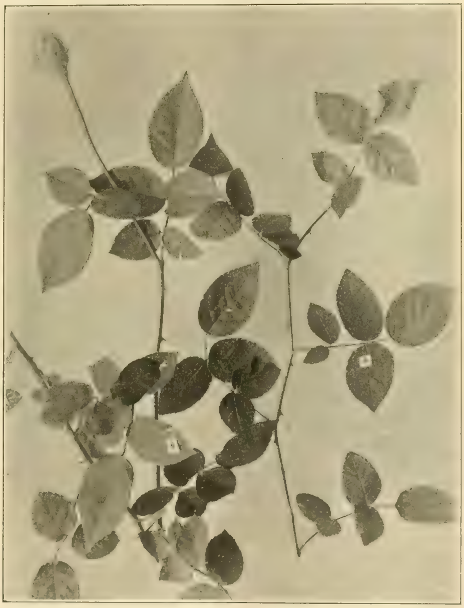
1. Do cuttings tend to perpetuate the individual peculiarities of the parent branch from which they are taken?
2. Can accumulative results be obtained from a continuous use of cuttings from wood with like habits? i. e., can the flowering habit of plants be increased by the continuous use of flowering wood selected through successive years from plants which have themselves been produced from flowering wood?

For many years discussion has been rife among commercial growers of roses in regard to the flower or bloom-producing power of plants grown from what is known as "blind wood," and those grown from "flowering wood." These terms are familiar to all accustomed to the propagation and cultivation of the rose under glass; but in order that none may hold a misconception of the point in question, I herewith present a figure representing the two types of wood spoken of. The branch at (a) in the engraving represents a characteristic shoot of the so-called "blind wood." This shoot, it will be noticed, is of slender growth, somewhat willowy in character, and is terminated by a leaf instead of a flower bud. Branch (b) is a flowering wood shoot, as is indicated by the terminal flower bud. As a rule "flowering shoots" are larger and more vigorous, but are also softer and contain a larger percentage of pith in proportion to the woody tissue than "blind wood" shoots. In general, however, the "flowering wood" shoots are longer than the "blind wood" branches, and if the flowers are cut with short stems, then there is a considerable length of wood suitable for purposes of propagation at the base of each flowering shoot. This wood is harder and more mature than the wood close to the base of the bud, and for that reason is better suited for making cuttings. With plants which are blooming profusely it not uncommonly happens that the whole length of the flowering shoot is needed to satisfy the market demand for long-stemmed roses, and the supply of suitable wood from which to propagate the next season's stock of plants is greatly lessened, or it may be entirely cut off. But there is always a greater or less supply of "blind wood." Consequently, why not use it for purposes of propagation? If the plants grown from blind wood do not perpetuate the tendency of the parent shoot (which are non-flowering), then there can be no objection to its use for the purpose of propagating the next season's stock. But if it does perpetuate the tendency of the parent stem, then there is danger.

In order that more definite statements might be made on this point, the writer has for five years carried on a test with rose plants from the two types of wood above mentioned. Before stating the results of this experiment, however, I wish to call to mind a few of the experiments which have been made which throw light upon the point in question.

Do cuttings tend to perpetuate the peculiarities of the parent branch, from which they are taken? To answer this, I needly hardly do more than call attention to the fact that propagation by cuttings is employed almost exclusively for the perpetuation of cultural varieties of all fruit and ornamental plants which are capable of being grown from cuttings. Many annual plants, however, come true from seed and varietal differences, while not so constant as in plants grown from cuttings are, nevertheless, sufficiently close for all commercial purposes. If we were to go a step farther, we might be justified in considering the various processes of budding and grafting as identical in their results with that of propagation by cuttings.

Budding and grafting are in reality processes of division, the same as is the growing of plants from cuttings. In all three of these modes of reproduction the results are so constant that we never stop to question the fact; yet we constantly commit the blunder of ignoring qualities quite as important as the varietal peculiarity itself. In fruit growing, nurserymen propagate from a Baldwin tree, whether it has ever borne fruit or not, simply because they know it to be a Baldwin. Yet in the face of this we are being taught by our advance agents that each tree has an individuality, and, in fact, that each branch and bud is in its peculiar way different from every other branch or bud, even upon the same tree. If we accept these statements as true, and we have no good reason to doubt them, then the peculiar tendencies of the plant, or of a branch of a plant, may be expected to play a more or less important part in determining the behavior of the plant or plants propagated from it. Orchardists have observed these differences, and are slowly coming to exercise greater care in the selection of cions. This precaution not only influences fruit production, but it has been clearly pointed out by Smith, Fairchild and others the health of plants from which buds and cions are taken measures to a very marked degree the health and longevity of the resulting tree.



FLOWERING AND BLIND WOOD SHOOTS OF ROSES, USED BY PROF. CORBETT TO ILLUSTRATE HIS LECTURE.

If we find these differences among plants grown from buds and cions, quite as marked peculiarities may be anticipated in plants grown from cuttings. Upon this point recorded observations are exceedingly meager, but some light can be gathered from the work published by myself in the Ninth Annual Report of the West Virginia Agricultural Experiment Station. From these studies it is evident that varieties are perpetuated true to type by cuttings through many generations. A single exception in the case of the tomato entering to break the constancy of the results. Not only are general varietal differences retained, but acquired characters also, temporarily, at least, as is shown in cuttings of grape, poplars, currants, etc., grown in Northern and Southern latitudes. For a specific example of this, nothing could be more conclusive than the results shown by New York grown potatoes, given one season's outing in Maine, for, when brought back to New York the next year, they retained their Maine tendency towards increased vigor and yield.

Trees propagated from fruitful trees are themselves more fruitful. Potatoes grown a year in the North become more prolific. Plants grown from cuttings, taken from Northern and Southern-grown parents of the same species, retain the characteriticss of their parents. What, then, should be expected from plants grown from blind and flowering wood? To anticipate the results of the test I will state that they accord with and justify the logical conclusion which would follow from the particular instances above set forth. In this test rose plants propagated from "flowering wood" gave on the average 29 4-9 blooms per plant for the season, while the "blind wood" plants produced 11½ flowers per plant.

Details of the Experiment.

In the Spring of 1897, when the time for making rose cuttings had arrived, cuttings were made from both flowering and blind wood for each of the varieties of roses then in the house. The cuttings were all made on the same day, placed in the same cutting frame in contiguous rows. In all respects the conditions for the several cuttings were as nearly the same as it is possible to obtain in a greenhouse.

On February 16 the cutting plants were examined and potted, with the following results:

Variety	Total No.	No. Rooted.	No. Callused	No. Dead
Bride, flower	15	9	6	
Bride, blind	21	9	9	2
Bridesmaid, flower	9	5	4	.
Bridesmaid, blind	23	15	8	.
Perle des Jardins, flower	15	2	11	2
Perle des Jardins, blind	17	7	7	3
Mme. Hoste, flower	13	5	8	.
Mme. Hoste, blind	9	1	8	.
Meteor, flower	18	11	3	4
Meteor, blind	5	4	1	.

From this it would appear that there is little difference in the tendency to form roots between the cuttings made from flowering and blind wood.

From this time until the plants were set in their permanent places upon the greenhouse benches (August 19, 1897), they were given like treatment. They were grown in pots in a sunny greenhouse, and all received the same number of shifts, and like attention in regard to soil, water, and food supply. As the plants were planted upon the benches August 19, the following note was made: "At this time there is little difference in the size and general vigor of the plants from the blind and flowering wood cuttings."

As soon as the plants became established in the soil on the bench growth on all was vigorous, and while there was a marked difference in the growth and general behavior of different varieties, there was no notable difference in vigor between the blind wood and flowering wood of the same variety.

The bloom record of the several lots is quite different, however, as is shown in the accompanying table, which gives the total number of flowers produced between December 1, 1897, and July 1, 1898:

Variety.	No. Pl'ts.	No. Bl'ms.	Average.
Bride, flower	13	242	18 8-13
Bride, blind	18	32	1 7-9
Bridesmaid, flower	8	192	24
Bridesmaid, blind	3	56	18 2-3
Perle des Jardins, flower	8	141	17⅝
Perle des Jardines, blind	14	224	16
Mme. Hoste, flower	7	204	29 1-7
Mme. Hoste, blind	9	176	19 5-9
Total No blind	44	488	11 1-11
Total No. flower	35	779	22 9-35

As is seen from the table, the product of the flowering wood plants in this one year's test was more than double that of the blind wood plants, amounting in this particular instance to 156 per cent. gain in favor of the flowering wood plants.

During the forcing season of 1898 and 1899, extending over the same period as in 1897 and 1898, i. e., from December 1 to May 31, inclusive, the two varieties retained in the experiment produced bloom as follows:

1898-99	No. Pl'nts	No. Bl'ms	Average
Bride, blind	13	113	8 9-13
Bride, flower	15	253	16 13-15
Bridesmaid, blind	8	119	14⅞
Bridesmaid, flower	12	210	17½

The results here recorded show the superiority of the flowering wood over the blind wood plants. But strange as it may appear, the difference between the flower-producing power of the plants grown from flowering wood and from blind wood is less than in the first generation, and this, despite the fact that the plants used in this test were grown from cuttings selected from plants used in the previous years' tests.

History of the Second Year Plants.

The flowering wood plants used in the tests of 1898 and 1899 were grown from cuttings selected from the base of flowering shoots produced by the plants previously grown from flowering wood. This course was followed in order to test the effect of constant selection in one direction, the idea being to secure plants with the maximum blooming capacity. The experiment was to test a theory which may be stated as follows: If flowering wood from commercial plants is capable of producing plants able to throw more than double the number of blooms produced from similar plants grown from blind wood, is it not possible by selecting flowering wood from plants grown from flowering wood to increase the flower-producing tendency in a distinct strain of forcing plants? Beginning with blind and flowering wood from good commercial plants of Bride and Bridesmaid in the Spring of 1897, plants were grown and flowered in the Winter of 1897 and 1898; from these, as above stated, cuttings were taken and flowered during the Winter of 1898-1899; and from these, in turn, came the flowering plants for 1899 and 1900, and so on for five years; the flowering plants being from flowering plants of the previous season in each and every case. The blind wood plants were treated in exactly the same way, blind wood cuttings from blind wood plants produced the blind wood plants for the succeeding season, and so on for the five years over which the experiment has now extended. The following records for each of the years 1899-1900, 1900-1901, and 1901-1902 serve to show how constantly the flowering wood plants retain their supremacy over those grown from blind wood:

Record from Dec. 1 to May 31, inc.

1899-1900.	No. Pl'nts.	No. Bl'ms.	Average.
Bride, blind	15	190	12 2-3
Bride, flower	18	192	10 2-3
Bridesmaid, blind	18	137	7 11-18
Bridesmaid, flower	18	220	12 2-9

Record from Dec. 1 to May 31, inc.

1900-1901-	No. Pl'ts.	No. Bl'ms.	Average.
Bride, blind	17	59	3 8-17
Bride, flower	4	110	27½
Bridesmaid, blind	16	67	4 3-16
Bridesmaid, flower	14	80	5 5-7

Record from Dec. 1 to May 31, inc.

1901-1902.	No. Pl'nts.	No. Bl'ms.	Average.
Bride, blind	14	80	5 5-7
Bride, flower	16	124	7¾
Bridesmaid, blind	16	98	6⅛
Bridesmaid, flower	12	136	11 1-3

Record of Plants Second Year on Bench.

Record from Dec. 1 to May 31, inc.

1900-1901.	No. Pl'ts.	No. Bl'ms.	Average.
Bride, Blind	14	193	13 1-14
Bride, flower	8	223	27⅞
Bridesmaid, blind	10	138	13 4-5
Bridesmaid, flower	12	183	15¾

*Cutting plants set on bench in July.

But, strange as it may seem, there is no appparent cumlative effect from the selection of cuttings from flowering wood plants. Neither is there any marked degredation from the continuous use of blind wood. True, there is a constant falling off in the average number of flowers produced per plant from the first season to the close of the experiment, but the result is not more marked in the case of the blind wood plants than with the flowering wood plants.

The following table, which summarizes the results for the five years, is of interest in that it shows but a single departure from the rule that flowering wood produces plants which are more floriferous than those grown from blind wood:

Average Number Flowers per Plant for Season—Dec. 1 to May 31, Inc.

Year.	Bride (Blind)	Bride (Flower)	Bridesmaid (B)	Bridesmaid (F)
1897-98	1.88	19.84	19	28.62
1898-99	8.66	16.86	14.87	17.5
1899-00	12.66	10.66	7.62	12.22
1900-01	12.21	27.87	13.8	15.25
1901-02	5.71	7.75	6.12	11.33
Ave. for 5 years.	8.26	16.59	12.29	16.98

This is seen in the case of the blind wood plants of Bride grown during the forcing season of 1899 and 1900, in which year this particular lot of plants produced an average of two blooms per plant more than did the flowering plants of the same variety. The table is of interest also in showing the ratio of the flowering wood plants to the blind wood plants based on the average number of flowers produced per plant during the season. In the case of Bride the blind plants averaged 8.26 blooms per plant, while the flowering plants produced 16.59 blooms per plant, or a little more than twice as many. In the case of Bridesmaid,' the difference is very decided, but not so great as with Bride. Bridesmaid blind produced an average of 12.29 blooms per plant, while the "flowering wood" plants of the same variety produced 16.98, or one and one-third times as many as the blind wood plants.

THE NEW PINK ROSE SHOWN BY BREITMEYER & SONS, DETROIT, AND AWARDED THE SILVER MEDAL OF THE AMERICAN ROSE SOCIETY.

Comparison of First and Second Year Plants.

In the course of these observations a cultural problem of some moment presented itself, and as it could be brought under observation without deranging the observations on the production of bloom from blind and flowering wood plants, the experiments were planned to admit of retaining a number of plants upon the benches a second season in order to compare their flower-producing power with plants grown from cuttings and placed on the benches in July for the succeeding Winter's flower supply. Accordingly 14 blind and 8 flowering wood Bride, with 10 blind and 12 flowering wood Bridesmaid plants were retained on the middle bench of the house used continuously in this test. These plants were severely pruned in August, after having been kept quite dry and in active during July. After pruning at least one-half of the soil of the bench was replaced by fresh compost. The earth was removed from on top the roots and between the plants and replaced with fresh earth. After this treatment they were slowly started into growth and the record of flower production begun in October. The following table will serve to show the bloom record of these plants:

Month.	Bride. Blind.	Bride. Flower.	Bridesmaid. Blind.	Bridesmaid. Flower.
October	57	49	51	49
Nov'mb'r	25	29	15	20
December	39	36	33	33
January	14	18	9	19
February	28	26	18	29
March	46	47	26	41
April	39	47	34	33
May	27	49	18	28
Totals	275	301	204	252
Ave per plant	19.6	37.6	20.4	21

In the case of plants grown from cuttings struck March 11, and planted on the benches in July, the record was as follows:

Month.	Bride. Blind.	Bride. Flower.	Bridesmaid. Blind.	Bridesmaid. Flower.
October	4	10	7	5
Nov'mber	6	5	1	10
December		2	5	2
January	4	8	3	7
February	7	12	7	7
March	8	11	12	16
April	19	40	22	29
May	21	37	18	19
Totals	69	125	75	95
Ave. No. per plant	4.05	31.25	4.68	6.7

From the comparison of the average number of flowers produced per plant from October 1 to May 31, inclusive, in each of the two sets, it is evident that there is little difference between the two, but upon comparing the monthly flower product of the two it at once becomes apparent that the two-year-old plants produced their crop in the Fall and early Winter, while the cutting plants produced the heaviest bloom later in the season. One must, therefore, be guided by the demands of market. If a heavy crop before the holidays is the end to be achieved, then year-old plants are desirable, but if the rose market is more profitable from the first of February to the first of June, the cutting plants will give best return. While these results are interesting in showing the value of strong year-old plants, we do not consider that the record of the one season during which this comparison was made sufficient to be taken as a basis for extensive commercial undertakings. With the tests of blind and flowering wood plants, however, the case is different, and the results may be considered conclusive.

Deductions.

It is clear from the results of these tests that the tendencies manifest in a branch are perpetuated from generation to generation in plants propagated by sexual processes.

It is equally demonstrated that cumlative results are not to be expected by selecting parts showing like tendencies through successive generations. The flowering habit of plants which themselves had been produced from flowering wood was not increased, even in the fifth generation, over what it was in the first. On the other hand, plants repeatedly propagated from blind wood through five successive generations were not markedly less floriferous in the fifth than in the first generation.

In both plants propagated from blind and from flowering wood, there was a slight tendency towards lessened flower production. This may be accounted for in that the stock from which the plants were propagated each season had been grown and forced under artificial conditions, and no attention was given to selecting cuttings from the strongest plants. The commercial side of this experiment, is of course, the most important one from the standpoint of the practical grower. It is clearly more ecomonical for the florist to produce his plants each season from blind wood, and since there is no cumulative effect from such a procedure, the plants so produced are not necessarily less floriferous than the parent stock. But where bloom rather than stock plants is the end sought the tests above recorded are emphatic in declaring the superiority in this respect of plants grown from flowering wood. A rose grower can well afford to send short-stemmed roses to market during the months of January and February, if by so doing he can secure sufficient flowering wood for propagating purposes to insure a stand of flowering wood plants for the production of the succeeding crop.

New Roses.

Paper presented by E. G. Hill before The American Rose Society, at Philadelphia, March 25, 1903.

There is little to chronicle relative to the new additions to the rose family, and especially is this true concerning new varieties suitable for forcing purposes. Ivory, introduced last year, is a splendid producer of buds and flowers during the Winter months; in fact, is considered of unusual merit and value as a white forcing rose. This variety is thought highly of by nearly all the growers who have given it a trial this year, and we hear of large increase to be planted of this variety; this would seem to indicate its popularity and standing. The variety is lacking in foliage, and this is a very pronounced defect; nevertheless, it has so many good qualities that it more than counterbalances this weak point.

Souvenir de Pierre Notting was supposed to have attributes and qualities which would commend it as a forcing variety. The flower is a beautiful combination of yellow and pink, with the yellow suffusion predominating; it is of good size, produces finely formed buds, but unfortunately so many of the outer petals are defective and lacking in texture that it practically disqualifies the rose for Winter work. This variety should make a fine outdoor bedder in sections where Summer bloom is desired. It should also make a nice rose for massing; its fine foliage, with its deep coloring, lend a charm that is possessed by but few varieties.

Franz Deegen—My prediction is that this variety will grow in favor as its Winter-forcing qualities become better and more generally known. It is a good, vigorous grower, producing long canes not unlike those of Kaiserin Augusta Victoria, and is remarkably free in producing its buds during the Winter months. It likes good culture, and thrives with good food and plenty of it. The color is a charming tint of yellow, which has a depth seen in but few roses. I would certainly advise a trial of this rose on at least a limited scale, so that it may have a universal test over the country. This variety has grown in our estimation, as we have noted its behavior the past few months.

Perle Von Godesburg—This was heralded as a yellow sport from Kaiserin Augusta Victoria, but only one bloom out of a great number shows any pure yellow in coloring. It, in fact, has so few flowers that differ from the variety from which it sported, that it will hardly pass as a distinct sort. There is, however, a sufficient number of yellow flowers to show its tendency to sport nto a distinct variety.

Saxonia—This is a variety from Ger- nany; it is claimed to be a seedling rom Golden Gate. The growth and general make-up of the flower show its elationship to its American parent. It has not been tested sufficiently to de- ermine its Winter-blooming qualifica- ions, but we are inclined to think well of the variety. It has finer coloring han Golden Gate, and is somewhat on he order of Mme. Pierre Guillot in its narkings, and the bud has a much bet- er form.

Duchess of Portland is one of Alex. Dickson's seedlings, and a most mag- nificent rose it is. It is larger and of heavier texture than our famous Kai- erin Augusta Victoria, a truly noble lower; but its neck is so weak that ts flowers look down at Mother Earth. This is most unfortunate, for it has many charms to its credit.

Mildred Grant, another of Dickson's ine hybrid teas, showing its hybrid blood in its growth and form of flower o a most remarkable degree, is pearl pink in color, a choice, refined flower. This rose won the English Rose So- iety's gold medal. In favored places we think this variety will certainly be heard from, especially for garden pur- poses.

Prince de Bulgaria is a valuable new olor in the hybrid tea class—buff yel- ow shaded with apricot. The form of he bloom is not unlike those of many f the H. Ps., its flower being very rettily shaped, quite full and double. This should make a fine pot variety as ell as a choice bedding subject. The etals are too short for its use as a ut flower, and we hardly think it ould force were it tried.

William Askew—The plant is of turdy growth, producing freely its fine arge flowers. This is a variety well orth a trial for garden or pot culture. t is one of Mr. Guillot's productions, nd is possibly the very best of his ter varieties.

Laura Wattine is a Soupert produc- on, and we think, here at Richmond, ne of the very best that this firm has roduced. It is a brilliant dark red, ith a fine long bud and good double ower. It is a cross between Marie aumann and Mme. Caroline Testout. his should make a valuable addition or garden purposes.

The above-mentioned varieties have ll been flowered here in considerable umbers, and we believe them to be romising roses in their respective asses. They are the pick of over a undred new introductions of the past vo years, and are worthy of trial by ll lovers of garden roses.

The prospect of some new American eedling roses is fairly promising, and e anticipate that a few good novel- es will be introduced in 1904.

The varieties will be grown in con- derable quantity, and if past experi- nce is duplicated by these varieties hen grown in large numbers we an- cipate a pleasant surprise for Ameri- n rose growers.

The Work of the American Rose Society.

ead by Robert Craig, Philadelphia, before the American Rose Society.

I am asked to say something to you the work of the American Rose So- ety, which is still in its infancy and ot yet organized for very effective rvice. In the month of March, 1899, out twenty-five individuals interested the cultivation of the rose met to- ther in New York to organize a so- ety, somewhat on the lines of the ational Rose Society of England, hich has been in existence since 1876 d now has a membership of about e thousand. Our young society now mbers about three hundred.

The president of the British National ciety has been, for many years, the ean of Rochester, who is known in any parts of the world as an enthusi- tic and very capable cultivator of the se. Its vice-president is the Duke of rtland, and it has an executive com- ttee of forty. Among its members e many of the most distinguished and ltured people of Great Britain, who d in the cultivation, study and devel- ment of the rose in its many types a st delightful occupation for their sure time. Of all the forms which auty takes in the Floral Kingdom, ne is so altogether charming and ely as the rose, and when more people can be brought to know that many beautiful varieties of roses are entirely hardy in this climate in the open garden, and many more flourish with slight protection in the Winter, the membership of this society should gradually increase until we, from membership dues, have sufficient funds to effectively carry on the work which we have set out to do.

With details of the work, I need not take up your time. These have been admirably stated in the address of the president at the last annual meeting in New York. The society is to "exercise a watchful eye over the production, introduction, and distribution of the rose;" to hold exhibitions; to look after synonomy and nomenclature; and in these and other details we may have the benefit of the experience of the older societies in Europe, which are now doing very effective work. In London the growth of the National Rose Society is likely to be stimulated by the fact that the Royal Horticultural Society is to construct a new building especially adapted for floral exhibitions. Hitherto, their shows, while very important and well-patronized events, have been held in more or less unsuitable and inconvenient buildings, and great benefit is therefore expected from the use of a place especially constructed for their purpose. We can congratulate ourselves here in Philadelphia that we have a beautiful hall, which is always to be had for any creditable horticultural exhibition.

MYERS & SAMTMAN'S PRIZE-WINNING VASE OF QEEEN OF EDGELY ROSE AT SHOW OF AMERICAN ROSE SOCIETY.

Now, I want to emphasize one branch of the work of our young Rose Society, which, I take it, is of the greatest moment. The most necessary work for the members to do is to first get more members. Instead of three hundred members, as we have now, in a country like this we should have a membership of at least one thousand, and five thousand would be proportionately better. These members should be largely drawn from the amateur ranks, and what can the society offer them as a fair return for the time and money they invest? Obviously, the best that can be done is to issue frequent bulletins, say, at least four times a year, with the latest facts about roses; of the new sorts which make their appearance from time to time; of the progress that is being made by the crossing of different types, thus producing new shades of color, modifications of form and greater and more delicious fragrance, as well as adding to the hardiness of certain varieties and types, and similar information along all the lines of rose culture.

The varieties which do well in the outdoor garden in our climatic conditions are quite few in number. We want more roses, for instance, in the ever-blooming class, like Maman Cochet, white and pink; Gruss an Teplitz, bright crimson; Kaiserin Augusta Victoria, white; Clothilde Soupert, pink cluster; Papa Gontier, coral red; Etoile de Lyon' yellow; and in the hybrid perpetual class, Mrs. John Laing, pink; Clio, blush; Baron Bonstettin, crimson; Capt. Haywood, bright red; Rodochanachie, bright cerise; Mlle. Gabriel Luizet, clear pink, and Paul Neyron, deep rose.

Now, this and kindred information about roses is not so accessible as it should be, and in the collecting and diffusing of such facts the most useful work of the society consists. But we are as yet too feeble financially to accomplish much. To properly do this would be sufficient work to occupy the entire time of a competent secretary. Allow me, by way of illustration, to read an extract from a bulletin issued by the South Dakota United States Experiment Station in 1901:

"Roses.—The list of roses sufficiently hardy for this State without Winter protection is decidedly short. Many varieties of hybrid remontant or hybrid perpetual roses, have Winter-killed at this station, although given Winter protection with earth and mulch. Magna Charta, Crimson Rambler and the Dawson also proved tender. The hybrid perpetuals must be given very careful Winter protection in the larger part of the State. Of yellow roses, the Harison Yellow is very hardy and a profuse bloomer through June; a white double variety, evidently of the same species (Rosa lutea), name undetermined, obtained in a local garden, is equally hardy. Of climbing roses, the Multiflora, with dark red double flowers, has proved hardy for a number of years in a private local garden. Queen of the Prairies, with rose red double flowers, stands fairly well with good Winter protection. Of double white roses, Madame Plantier is probably the hardiest; at present it is not in the collection.

"Of single roses the Siberian (Rosa rugosa) is perfectly hardy. Plant breeders have been busy of late years in Europe and America hybridizing this rose with various cultivated double roses. We imported several of these later productions last Fall. Two rugosa hybrids, imported from Germany and planted in the Spring of 1896 at this station, have proven sufficiently hardy to blossom freely without Winter protection, although not perfectly hardy. One is Madame Georges Bruant, with semi-double pure white fragrant flowers; the other is Madame Chas. Frederick Worth. This variety produces beautiful, double flowers in terminal clusters all Summer, beginning about July 1. The thick leathery wrinkled leaves show the influence of Rosa rugosa. Plants of this variety secured for Professor Budd, in Germany in 1894, by the writer have proven hardy and very desirable at the Iowa Experiment Station.

"It now appears probable that most of the future hardy double roses for the prairie northwest will have Rosa rugosa as one of their ancestors."

This interesting information about roses is published in a pamphlet devoted also to notes about trees, shrubs and herbaceous plants, and to be put in convenient form for rosarians should be published with other similar notes in bulletins devoted strictly to matters concerning the rose.

Let us, therefore, devote a large share of our energy to the acquisition of new members, to the end that we have sufficient income to properly pursue the work, and let us, in addition to our own work, bespeak the hearty co-operation of the journals devoted to horticulture for the amateur. I allude to such publications as Country Life, Floral Life, Gardening, and American Gardening, etc. What better service can they render to horticulture, to the advancement of which they are pledged, than to help us get new members. I doubt not if the matter be properly brought to their attention, their cordial co-operation will be secured.

Our annual exhibition should also have careful attention. This year we might have had a good exhibition of hybrid roses in pots if our schedule had been issued three months earlier. A dozen of our private gardeners and several professional florists have told me that if they had known sooner they would have willingly entered the competition and have procured in time a collection of hybrid and other roses to be shown in pots. Enough have been grown this season to show us how desirable these pot roses are at exhibitions of this kind.

In England the principal exhibition is held in June, because at that time, in the cool and moist climate of Great Britain, the outdoor roses are at their best, and roses may be brought to the show in good condition from all parts of the United Kingdom, while in this country the weather is usually so hot a dry that roses cut even on the morning of the show are wilted before night, and the rose-growing centers are so widely apart that the blooms cannot be had at the same time. For instance, the time of blooming in Boston is fully a week later than in Philadelphia. But while we cannot hope to equal the superb shows in England in June, we can have roses in superb form in March under glass, which for lack of sun the growers of England cannot do. In America, the roses under glass in the Winter and Spring are the finest in the world. Recently, in the neighborhood of London one of the largest and most expert growers there expended several hundred pounds in an experiment of growing roses under glass for Winter bloom, somewhat after the American method, but the experiment was a failure, as was a similar one in Belgium. They have not the bright sunshine in Winter which here enables us to produce fine blooms, so that, while we can seldom have fine shows in June, with outdoor roses, we can excel in Winter or early Spring with roses grown under glass.

Some official catalogue of roses is necessary to prevent confusion. Occasionally a rose will be known by two or more names, and the society could do good and necessary work in deter-

EXPOSITION BUILDING, MILWAUKEE, WHERE CONVENTION AND TRADE EXHIBIT OF S. A. F. WILL BE HELD IN AUGUST NEXT

mining which is the original and authentic one. This branch of the work has been very well done by the English society. I have here their very creditable official catalogue, with pictures of fine examples grown by members and photographed by them for the book. (Book exhibited and extracts read.) What a delightful and useful pastime for those having country homes, and well worthy imitation on this side of the water.

I hope the Rose Society will arrange to hold its next exhibition here in Philadelphia. In my judgment, the exhibitions should always be held in the same city for at least two successive years, so that the growers may profit by their experience of the first year. We can see here in Philadelphia where we have fallen short this year, and I am sure we can, next year, have a more interesting and creditable exhibition.

In conclusion, I will say that, although the progress of our young society has seemed slow, we must earnestly work for its success. One of the surprising and lamentable facts in connection with this young society has been the apathy and indifference of most of the professional growers of the country. They should join this society and contribute to its work as a matter of duty. Lord Bacon says, "I hold every man to be a debtor to his profession." There is no doubt as to the soundness of this sentiment. I think every florist, wholesale or retail, should join this society at once and induce as many amateurs to join as possible. This would be a small sacrifice compared to the amount of good that would be accomplished.

Correction.

In the special advertisement of Clucas & Boddington Co., New York, appearing in last week's issue, the item referring to, Dracæna terminalis canes should read $25.00 per 100 feet, in place of pounds. See corrected ad. in this week's issue, page 345.

New York.

For a Plant Market.

As mentioned in our notes last week, the New York Market Florists' Association held a meeting at the Clinton Market on Friday afternoon, March 20, for the purpose of discussing the market problem. Through the efforts of John Birnie, there was a fair representation of the Jersey plant growers (men who depend chiefly on a market for disposing of their product), and a few of the property owners in the immediate vicinity of Clinton market. There was also in attendance at the meeting Commissioner Woodbury, head of the Street Cleaning Department of the city; Alderman of the district, R. S. Doull, Commissioner Walker and Judge Wauhope Lynn.

Mr. Birnie acted as chairman and called upon Alderman Doull. That gentleman explained that the meeting had been called for the purpose of urging the city to erect a new market on the site where Clinton Market had stood since 1829. He said Commissioner Woodbury had recently recommended that the city's stables be erected here, but he hoped that they could prevail upon the commisssioner to find some other site for such a purpose and use his influence towards persuading the city officials to construct a building for market uses that would cost about $250,000, and in which there would also be accommodation for a fire company's rooms and for public baths.

Judge Lynn drew attention to the fact that two or three years ago a motion to erect a building that could be used for market and other purposes had been passed upon favorably by the Board of Aldermen. The Judge also waxed eloquent on the advantages of such a market.

Commissioner Woodbury spoke briefly. He did not hide the fact that his first thoughts are for the Street Cleaning Department, and that the site of the old Clinton Market offered the best available position on which to establish a permanent home, with stables and all other offices, for his department. The speaker hardly committed himself on the subject, but he did promise that he would have his men clear away the rubbish of the fallen building and have the space ready in a few days, so that the florists could use the land as an open-air market this Spring. At the suggestion of Judge Lynn a committee was appointed to go before Borough President Cantor and petition him to help the florists and others interested in their efforts to have a suitable market built. This committee consists of A. Schultheis, R. Dreyer, J. Birnie, H. C. Steinhoff, M. Smith, Judge Lynn, Commissioner Walker and Alderman Doull.

The promise of having an open-air market ready for occupancy in the near future met the desires of the plant men, and it was decided to open the market about Monday, March 30.

Members of the Association not notified of the meeting referred to above, should send their names and addresses to Peter F. Daly, P. O. Box 1, New Durham, N. J.

The Week's News.

William Plumb, who for many years has followed the profession of landscape gardener and has had charge of several well-known estates, will, on April 15, enter the commercial ranks as a rose grower. Mr. Plumb has taken the greenhouse establishment of P. Connelly, at Madison, N. J., and will grow roses for the New York market.

S. Jacobs & Sons, manufacturers of greenhouse building material, Flushing avenue, Brooklyn, is a long established firm and in addition to manufacturing the wood and ironwork for greenhouses, they do an immense business in hot-bed sash, the sales of which number 2,000 sash per year.

This firm was established in 1869 and has grown steadily ever since.

Charles Krombach, whose florist establishment is near Greenwood Cemetery, Brooklyn, has just purchased a piece of property fronting on Fort Hamilton avenue. He will cut up the newly acquired land into building lots.

A. Warrendorf, the Broadway retail florist, has taken the store at 37 West Twenty-eighth street and will carry on a whosesale commission florists' businesss under the title of The New Jersey Cut Flower Co.

John Einsel, who had the misfortune to have a leg broken a short time ago, is progresssing rapidly towards recovery.

The plant auction rooms are now i full swing. Hitherto hardy nurser stock has been the chief attraction, bu flowering greenhouse plants will soo be offered.

Willard Kervan has withdrawn fror the firm of the Kervan Company, an his address is now 359 Fifth avenue.

This afternoon (Friday) the commit tee from the New York Market Flor ists' Association will present their ap peal for a new market to Boroug President Cantor at the City Hall.

A. Dimmock, representative of Sande & Sons, St. Albans, England, arrive lately on his annual Spring tour, an took in the show at Philadelphia thi week.

James Beghie, one of Clucas & Bod dington's energetic drummers, is bac from a commercial trip, having been o the road since November last, touch ing towns as far West as Denver, Col He reports a very successful trip.

That the New York wholesale florist are hustlers after business, and seek t further the interests of their consignor is evidenced by our advertising co umns. Owing to the shortage of coa in many localities the past Winter an the consequent closing down of severa establishments there is reason to be lieve that there will be a heavier de mand on the wholesale dealers for flow ers at Easter time than has occurre for several years past. That the sup ply of cut flowers in this city will l ample goes without saying, and outsid buyers need have no fear about receiv ing their quota if ordered in this cit If orders are placed with a firm tha has not previously been dealt wit however, it should be understood tha C. O. D. methods throw no reflection c the buyer. New York's wholesale flo ists are the most lenient business me on earth, with respect to credits, af a business acquaintance has once bee established.

Visitors in Town:

E. Schoenhut, Buffalo, N. Y Walter Breitenstein, Pittsburg, Pa Robert Craig, Philadelphia, Pa.; W. Beattle, Department of Agricultu Washington, D. C.

Boston.

ws of the Week.

The Horticultural Club held its ular monthly meeting Thursday ning, James Rough presiding.

harles Evans, of Watertown, and bert Montgomery, of Wellesley, nt a few days in New York last k; and William W. Edgar, Fred R. thison, and William J. Stewart left Philadelphia this week.

he Anna Foster fern is now a firmly ablished staple in all the leading ail stores; it has proved a ready ler and from all reports has given good satisfaction as a house plant the Boston fern.

eorge A. Sutherland has a very fine of lilies in pots for Easter, and orts them selling fast.

ing Show Massachusetts Horticultural Society.

The awards for plants included following: J. S. Bailey's Cypri-lium Rothschildianum won first for gle orchid and W. P. Winsor's ntoglossum Rossii majus second. W. Breed was first for specimen lian azalea; William S. Ewell & Son ond.

he prizes for Spring bulbs were ided between William S. Ewell & , the Bussey Institution and Mrs. L. Gardner, the two former winning t and second prizes in the order ned for general display.

ilver gilt medals were awarded to nry A. Dreer, Philadelphia, Pa., for ndanus Sanderii and to Lager & rell, Summit, N. J., for a display orchids. A silver medal was grant-to James Stuart, gardener to George Fabyan, for superior cultivation cyclamen.

o roses were entered in the classes Bride, Bridesmaid, Souvenir du sident Carnot, nor any of the brids. For American Beauty, W. H. iott won first and the Floral Ex-ange, Edgely, Pa., second. W. H. iott was again first for Liberty, the Waban Rose Conservatories k first and second "for any other riety" with Golden Gate and Ivory.

'hursday was carnation day, and ch more interest was occasioned by added display. Patten & Co. ught in a fine collection, filling one le, in the center of which was a fine se of one hundred blooms, mixed, ich easily won first prize. On either e were arranged vases of Mrs. T. W. wson, J. H. Manley, Fair Maid, rry Fenn, Prosperity, Dorothy itney, Governor Roosevelt, Gover-r Wolcott and Gaiety; and a vase of s. M. A. Patten, which was only for hibition. Albert Roper sent in Fair id and Seedling No. 1, a white varie-ted. L. E. Small showed Fair Maid. H. Manley and Mrs. T. W. Lawson. e Little South Floral Company ged a vase of The Queen. H. A. evens had a vase of Governor Wol-t. Cressbrook was well shown by E. Dickerman, and J. S. Bailey had good vase of Mrs. T. W. Lawson.

he carnation awards were:

Crimson—M. A. Patten, with Governor Roosevelt; second, same firm, with Harry Fenn.

Dark Pink—M. A. Patten, with Mrs. Lawson; second, L. E. Small, same variety.

Light Pink—A. Roper, with Fair Maid, second, M. A. Patten, same variety.

Scarlet—M. A. Patten, with J. H. Manley, second, L. E. Small, also with that variety.

White—M. A. Patten, with Governor Wolcott; second, H. A. Stevens, same variety.

Yellow Variegated—M. A. Patten, with Dorothy Whitney.

White Variegated—M. A. Patten, with Prosperity; second, S. J. Reuter, with same variety.

Friday was set aside for violets. Norris F. Cornley had the largest display, showing Princess of Wales, Lady Hume Campbell, Imperial, Marie Louise, Neapolitan and The Farquhar. Col. Charles Pfaff and H. F. Calder also staged Lady Campbell, and George W. Ayer Princess of Wales.

Among the other additions to the show on Friday were the new Rambler rose, Hiawatha, from M. H. Walsh, of Woods Holl, and a vase of seedling carnation, Marion Patten Buxton, from George E. Buxton, of Nashua, N. H.

There was nothing special scheduled for Saturday, but Albert Roper brought in a very fine bunch of Fair Maid carnation for exhibition.

F. J. NORTON.

Buffalo.

News Notes.

A recent spell of weather so warm as to be difficult in which to favorably hold Easter stock has been succeeded by cooler days that are more normal, and plant growers are beginning to gauge fine details. The store men, as a rule, incline to call trade fair at present. The warmer weather, perhaps, influenced better displays at store openings, so very good orders were supplied. In this line on Tuesday J. H. Rebstock had a decoration for a new concern in the clothing line, besides supplying more or less quantities of blooms for giving away, the latter at stated count prices. He also had another good store decoration, and a swell dinner to fix up for at the Hotel Iroquois later in the week.

Annual Club Meeting and Banquet.

The annual meeting for election of officers was held on Tuesday evening in Mr. Kasting's wholesale store, and was followed by the annual banquet.

The election passed off uneventfully, with the following gentlemen at the helm for another year: Wm. Scott, president; Charles Hewson, vice-president; Wm. Legg, secretary; Emil Bruecker, membership secretary, and Charles H. Keitsch, treasurer. Advisory or executive board: W. F. Kasting, J. F. Cowell, and James Braik.

Annual reports of officers were heard, that of the treasurer showing a balance to the credit of the club.

Adjournment was then made to the banquet rooms of the Ellicott Club in Ellicott Square Building, where the table was finely decorated with a vase of truly magnificent Bridesmaid roses from Peter Crowe, of Utica, N. Y., carnations in vases and greens arranged on the cloth being further employed.

Thirty-eight persons partook of the feast, all craftsmen. From out-of-town were: Harry A. Bunyard, New York City; H. C. Baartman, Sassenheim, Holland; Fred G. Lewis and T. Mansfield, of Lockport; H. J. Wise, East Aurora, N. Y.; Chas. T. Guenther, Hamburg; George Stafflinger, Springville, N. Y., and David Scott, now of Corfu, N. Y. The younger element of the trade was conspicuous, and the city parks were well represented.

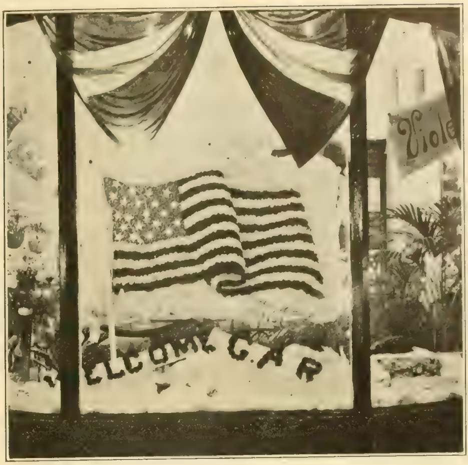
W. F. Kasting acted as toastmaster for the evening, and quickly imbued all with good feeling.

The evening was most pleasantly passed. Among the speakers were: Messrs. Braik, Scott, Palmer, Seymour, Long, Guenther, Legg, and others. Professor Cowell, though suffering from rheumatism, was present in the forepart of the evening.

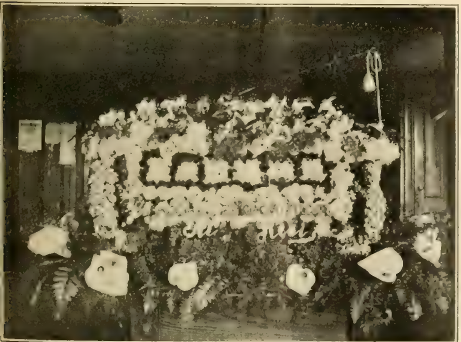
W. B. Grever now occupies a position behind the counters at Palmer & Sons.

Schwerdt & Berner, of Cheektowaga, have a supply of lily plants in pots reduced to 600 in number for this year. Genistas and hydrangeas are here grown, too. At Williamsville, C. B. Shisler has over 1,000 Easter lilies that are said to be unusually well done.

Some who should know presage a general scarcity in carnation blooms at Easter. VIDI.



THE AMERICAN FLAG IN IMMORTELLES



A TROLLEY CAR IN FLOWERS

Artist, N. F. Comley, Lexington, Mass.

A Floral Motor Car.

The illustration shown herewith represents an electric car in flowers, executed by Norris F. Comley, of Lexington, Mass., for the funeral of the motorman killed in the recent grade-crossing accident in Waltham, Mass. The flowers used were principally roses and carnations, the dashers being done in violets, while the base was made of ferns and callas. The design was six and a half feet in length.

F. J. N.

The American Flag.

The design illustrated represents the American flag. It was constructed of red, white and blue immortelles. The "wavy" effect in the design is most beautifully brought out. The artist was C. W. Wolf, of Washington, D. C.

St. Louis.

World's Fair Work.

Frederick W. Taylor, Chief of Agriculture and Horticulture, has made elaborate plans for the treatment of Floral Hill, on which the buildings will stand. One of the features will be a floral clock that will tell the exact time on a dial 100 feet in diameter. This will occupy the center of the northern slope of the hill. Names will be formed in plants of four men who have done great things in horticulture—Peter Henderson, Thomas Meehan, Henry Shaw, and J. Sterling Morton. These beds will be almost 1,000 feet long. The entire hill will be devoted to flowers. The ground covered by these plans embraces sixty-nine acres.

About Town.

Martin Reukauf, who represents H. Bayersdorfer & Co., Philadelphia, called on the trade last week.

The trade congratulated Wm. Adels last week. It's a nine-pound boy, and Will is the happiest man in town just now.

R. F. Tesson has got back from a week's visit to Chicago and Milwaukee. At the latter place he attended the executive committee meeting of the S. A. F.

J. F. Windt celebrated the twenty-fifth anniversary of his wedding last week. Mr. and Mrs. Windt's many friends called to pay their respects.

J. H. Billington will open his new retail place at 5415 Easton avenue on April 1. Mr. Billington was formerly a grower on Belt avenue.

The Ellison Floral Company opened up its new place last week at 3568 Olive street. Mrs. Wm. Ellison, formerly with Ellison & Tesson, is the manager. The firm is incorporated with a capital of $2,000, and the incorporators are Claude P. Berry, Harry Y. Ellison, and Alice Y. Ellison.

Report comes from Butte City, Mont., that Arthur Y. Ellison, formerly of this city, has got married. If this news be true, his many friends here send congratulations. ST. PATRICK.

Fumigating Kind TOBACCO POWDER

KILLS ALL APHIS IN ONE NIGHT

In a house 100x25 ft., at a cost of [illegible]. A 5 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tells of it. Write Dept. B for it. **THE H. A. STOOTHOFF CO., 116, 117, 118 West St., N. Y. City.**

Mention the Florists' Exchange when writing.

PALMS FOR EASTER DECORATION

LATANIA BORBONICA.

We are giving exceptional values at the present time, both in plants for immediate use as well as stock for growing on.

ARECA LUTESCENS.

			Per doz.	Per 100	Per 1000
2 in. pots,	1 plant in pot,	6 to 8 in. high	$0 75	$6 00	$40 00
3 "	2 plants in pot,	12 to 45 "	1 25	10 00	70 00
4 "	3 " "	15 to 18 "	2 50	20 00	175 00
5 "	3 " "	18 to 24 "	5 00	40 00	350 00
6 "	5 to 6 " "	22 to 24 "	9 00	75 00	
6 "	3 " "	28 to 30 "	12 00	100 00	

KENTIA FORSTERIANA.

			Per doz.	Per 100	Per 1000
2½ in. pots,	4 leaves,	8 to 10 in. high	$1 25	$10 00	$90 00
3 "	5 "	12 to 15 "	2 00	15 00	140 00
4 "	5 to 6 "	15 to 18 "	4 50	35 00	
				Each	Per doz.
6 "	6 "	30 "		$1 25	$15 00
6 "	6 "	30 to 36 "		1 50	18 00
7 "	6 "	30 to 36 "		2 00	24 00
8 "	6 "	42 "		2 50	30 00
8 "	6 "	48 to 52 "		4 00	48 00
9 "	6 to 7 "	32 to 54 "		5 00	
9 "	6 to 7 "	54 to 58 "		7 50	
10 "	6 to 7 "	60 "		10 00	
10 "	6 to 7 "	72 "		12 50	
12 in. tubs	7 "	7 to 8 feet, "		25 00	

PHŒNIX CANARIENSIS.

	Each
11 in. tubs, 3½ to 4 ft. high, bushy and shapely	$5 00
11 " 4 to 4½ " " "	6 00

Ferns for Fern Dishes

FOR IMMEDIATE USE.

	Per 100	Per 1000
2 in. pots, assorted varieties	$3 00	$25 00
3 " " "	6 00	

LATANIA BORBONICA.

In pots	Leaves	In. high	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2¼			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

KENTIA BELMOREANA.

Pots	Leaves	In. high.	Per doz.	Per 100	Per 1000
2½	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	
				Each	Per doz.
6	6	26 to 28		$1 25	$15 00
6	6 to 7	28 to 30		1 50	18 00
7	6 to 7	30 to 32		2 00	24 00

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ORDER YOUR EASTER STOCK FROM SCHULTHEIS

I HAVE ON HAND

Azaleas. My stock is exceptionally good. Six houses full, and all in best possible condition.

Crimson Rambler Roses in the finest condition; all sizes. Very fine

Lilium Longiflorum,

Hydrangeas, Lilacs Marie Legraye and Chas. X.,

Spiraeas, Genistas,

Ericas in variety, **Tulips, Hyacinths,**

Narcissus in pots and pans,

Palms and Decorative Plants.

Your orders are solicited. I assure you first-class goods and prompt delivery. Write for my Illustrated Catalogue.

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The American Carnation Price $3.50 Ready Soon

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ASPARAGUS PLUMOSUS NANUS. 3 in., fine, bushy, $6.00 per 100.

ASPARAGUS SPRENGERI. 2¼ in., $2.00 per 100.

LITTLE BEAUTY FUCHSIAS. 2 in., $5.00 per 100.

MME. SALLEROI GERANIUMS. 2¼ in., $3.00 per 100; 3 in., $4.00 per 100.

SMALL FERNS, for dishes 3.50 per 100.

COLEUS in variety, 2¼ in., $2.50 per 100.

CHRYSANTHEMUMS. Fine assortment of standard varieties, 2¼ in., $2.50 per 100.

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FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following:

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1
Anderson & Christensen,
SHORT HILLS, N. J.

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FERNS.

Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

BOUGAINVILLEA, 4 and 5 in., $2.50 per doz.

FICUS ELASTICA, 5 and 6 in., fine, $4.00 to $6.00 per doz.

BEGONIA, Erfordii and Dew Drop, in bloom, 2½ in., $2,50 per 100.

BEGONIA METALLICA, 3 in., $3.00 per 100.

ABUTILON, Eclipse and Splendens, 3 in., $3.00 per 100.

ANTHERICUM, variegated, 3 in., $3.00 per 100.

LOBELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

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Asparagus Spreng

3 in., $5.00 per 100; 2 in., $2.50 per 10 $20.00 per 1000.

DEAN FERRIS, PEEKSKILL, N.

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SAGO PALM

10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1 each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-gro clumps, $5.00 per

Asparagus Sprengerii, seedlings from flats, $ per 100 postpaid; pla from 3-inch pots, good stuff, $1.75 per 100, f.o.b

Crinums, Amaryllis, etc., in large stock. Se for List.

The Jessamine Gardens, JESSAMIN FLA.

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AZALEAS FOR EASTE

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 ea These are extra large, shapely plants, full of bud

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per d

Double Fuchsias, red, white and blue. 3 in $3.00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in c frames, 50c. per 100, by mail; $3 per 1000, by expre

Mammoth Verbenas, 60c. per 100 by m $5.00 per 1000.

WHITTON & SONS, Wholesale Floris
City and Green Sts., UTICA, N. Y.

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KENTIA

Belmoreana and Forsteriana, 4 in. pots, $6 per doz.; 7 in. pots, $2.00 to $2.50 each; lar plants, $3.00 to $15.00 each. Kentia Forsteria 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 100. Kentia Belmoreana, 3½ in. pots, $18 per 100.

Adiantum Cuneatum, 3½ in. pots, $1 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Ma

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A FEW GOOD THINGS YOU WA

Special low prices on Palms to close out. Fi clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, and 6 in., $12.00, $25.00, $40.00 and $100.00 per 10

Rex Begonia, 2 and 3 in., $4.00 and $8.00 per 10

Asparagus Plumosus, 3 in., $8.00 per Sprengeri, 3 in., $5.00 per 100.

Dracæna Indivisa, 4 in. and 5 in., $10.00 a $25.00 per 100; 3 in., $5.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per

Geraniums, single Gen. Grant, double Gen. Gr S. A. Nutt, La Favorite, Bonnot, Poitevine, Rica Francis Perkins, 2 in., $2.50 per 100.

Ageratum, blue and white, 75 cts. per 100.

Carnations. Rooted Cuttings, Wm. Scott, Port Prosperity, Queen Louise, Ethel Crocker, F. Ine, $1.00 per 100.

Carnations, Portia, Ethel Crocker, Goodenou Wm. Scott, White Cloud, F. L. Ine.

Coleus, mixed, **Argeratum,** blue and whi **Verbena, Scarlet Sage.**

Petunia, Lobelia.

All 2 inch pots, $2.00 per 100.

Pansies, ready to bloom, $1.00 per 100.

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50,000 CANNA

Pot now. Nice started sound roots. Send for list.

Mme. Crozy, Florence Vaughan, Alsace, phonse Bouvier, Alba Rosea, Chas. Henderso Burbank, Austria, $3.00 per 100.

Philadelphia, Golden Moon, Queen Charlot Canary Bird, Leopard, Duke Marlborough, $4. per 100.

Souvenir d' Antoine Crozy, 6 cts.; Glorios 6 cts.; Rosemaur (pink), 8 cts.; Maiden's Blu (pink), 8 cts.; Pink Beauty, 6 cts.; Unname good colors, $1.50 per 100; Bronze Beauty, r leaved, 4 cts.

VIOLETS 1000 Lady Hume Campbe strong Fall runners, fro soil, $1.00 per 100; $10.00 per 1000.

Vinca major var., 4 in., $5.00 per 100; 2½ in $3.00 per 100.

1500 **Tritoma Uvaria,** field roots, $6 00 per 100
1000 **Halleana Honeysuckle,** 4 cts.
1000 **Clematis Paniculata,** 2 years old, 5 cts.
1000 **English Ivy,** 2½ in., $3.00 per 100.
1000 **Hydrangea Paniculata,** 4 years, 15 ct 2 years, 8 cts.
1000 **Double Gen. Grant Geranium,** 2½ in $2.00 per 100.
1000 **Caladiums,** large bulbs, 6 cts.; mediu 4 cts.
5000 **Shrubs and Vines.** Send for list.

Cash please.

BENJAMIN CONNEL
WEST GROVE, PA.

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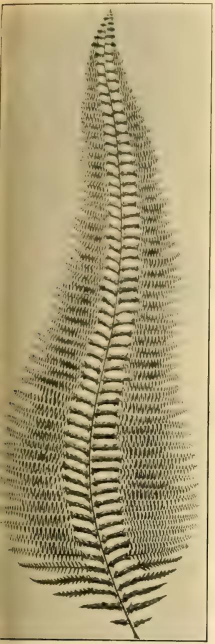

The New Nephrolepis Fern

"ANNA FOSTER"

The only Fern novelty ready for immediate delivery. For rapid growth, reproduction, fine foliage, and bold development it has no equal. The demand for large plants for the retail stores has far exceeded the supply. I have about 10,000 plants ready, from 3 inch, at $20.00 per 100.

BOSTON FERN

20,000 growing in benches, hope to have ready April 15, cut from benches, at $25.00 per 100. **Order Now.** Boston Ferns will be in short supply this season. Orders booked, delivery as ready. Small plants at $5.00 per 100; $40.00 per 1000.

KENTIA PALMS Good, 6 inch, 5 and 6 leaves, 30 inches high, $1.00 each; 6 inch, 5 and 6 leaves, 40 inches high, $1.50 each.

RUBBERS Very fine, $4.00 to $6.00 per dozen.

ASPARAGUS SPRENGERI 4 inch, $6.00 per 100.

100,000 BEDDING PLANTS

Geraniums (best kinds), Salvias, Daisies, Blue Ageratum, Heliotrope, Petunias, Coleus, Alternantheras, Asters, etc., etc. Prices on application.

Rooted Cuttings Coleus, mixed, 60 cts. per 100; $5.00 per 1000; red, yellow and black, 80 cts. per 100; $7.50 per 1000.

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We do not grow or sell everything, but we do collect, grow and sell

ORCHIDS

YOU cannot afford to be without this class of plants in your business. The demand for Orchid flowers is increasing every day to such an extent that the supply is no longer equal to the demand. Our stock of Orchids is not the cheapest, but the **best** that can be produced. We have Orchids in all stages, established, semi-established and freshly imported; of the latter we have large quantities coming this Spring.

We also have a full line of material for Orchid Culture, such as **ORCHID BASKETS, LIVE SPHAGNUM** and **SOFT FIBRY PEAT.**

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TWO OF THE GREATEST WONDERS

in the **Plant Kingdom.** The **RESURRECTION PLANT** and the **LIVING ROCK.** Full particulars and wholesale prices sent upon application. Samples of both plants sent postage prepaid on receipt of 50c.

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Adiantum Farleyense

By JULIUS LINDSTROM. Illustrated.

Mr. Chas. Cook, Fishkill-o-H., writes, "I have read your valuable treatise. As to cultural directions, you have explained so fully, clean and concise, that I compliment you on your work. Sent postpaid at 50 cents. Lock Box 8,

Flatbush Station, Brooklyn, N. Y.

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20,000 All Pot-Grown

We quote you fine BOSTON FERNS.

2½ in.	$4.00 per 100.	6 in.	$40.00 per 100
3 in.	8.00 "	7 in.	60.00 "
4 in.	15.00 "	8 in.	100.00 "
5 in.	25.00 "	10 in.,	$1.50, $2 & $2.50 ea.

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Bays and Decorative Plants. The largest growers on the continent.

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Agent, A. DIMMOCK

60 Vesey Street, NEW YORK.

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FERNS and GERANIUMS.

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Geraniums. John Doyle, Double Gen. Grant, Gloire de France, Alphonse Ricard, Beaute Poitevine, $2.50 per 100. Assorted, our selection, $2.00 per 100.

German Ivy. 2¼ in., $2.00 per 100.

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FOR EASTER FLOWERING

Azaleas, extra large plants, full of buds, $1.50 each; good sized plants $1.00 each.

Genistas, in bud and bloom, large plants $3.00 per dozen; smaller plants $2.00 per dozen.

Cinerarias, fine plants, $1.50 per dozen.

Fuchsias, all colors, 3 inch, $4.00 per 100; 4 inch, $6.00 per 100.

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FERNS for EASTER FERNERIES

Fine, clean, bushy stock, ready for Easter work. Let us send you a sample hundred. Price is low for this time only: $2.50 per 100, $20.00 per 1000. Fifteen best sorts. Have 50,000 ready now.

We have a large list of regular buyers who make money with our ferns. We want your name on the list. Satisfaction guaranteed, or your money back.

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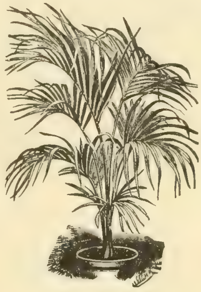
Palms for Easter.

I have a superb stock of PALMS in all sizes for Easter sales, and growing on for fall trade. They are good value at prices quoted below. The favor of a trial order is requested.



KENTIA BELMOREANA.

ARECA LUTESCENS.

		Per doz.	Per 100
4-inch pot, 3 plants, 18 to 20 inches high		$3 00	$25 00
6 " 3 " 24 to 26 "		9 00	75 00
6 " 3 " 28 to 30 "		12 00	100 00
8 " 3 " 36 "	$2 50 each.		
10 " 3 " 42 to 48 "	6 00 "		
10 " 3 " 50 to 60 "	7 50 "		
12 " 3 " 60 "	12 50 "		

COCOS WEDDELIANA.

	Per 100
2x3-inch pots, 6 to 8 inches high	$10 00
2x3 " 8 to 10 "	15 00

KENTIA BELMOREANA.

	Per doz.	Per 100
2¼-inch pots, 3 to 4 leaves, 8 inches high	$1 50	$12 00
3 " 4 to 5 " 12 to 15 inches high	2 50	20 00
4 " 5 to 6 " 15 to 18 "	4 50	35 00
4 " 5 to 6 " 18 to 20 "	6 00	50 00
6 " 5 to 6 " 24 "	12 00	100 00
6 " 6 to 7 " 24 to 28 "	15 00	125 00
6 " 6 to 7 " 28 to 30 "	18 00	150 00

MADE UP KENTIA BELMOREANA.

6-inch pot, 3 plants, 24 inches high.......$1 25 each

MADE UP KENTIA FORSTERIANA.

6-inch pot, 4 plants, 24 to 28 inches high.......$1 25 each

JOSEPH HEACOCK, Wyncote, Pa.

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Resurrection Plants

SELL WELL FOR . . . **EASTER.**

Large fine plants, 5 cts. each, 50 cts. per doz.; $3.00 per 100; $25.00 per 1000.

ADDRESS :

H. H. BERGER & CO.
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KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)
$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

BOSTON FERNS

5 in. pots	per doz., $3.00
6 in. "	" 5.00
6 in. " strong	" 6.00

FERN BALLS

Furnished with leaves.......per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties.......per 100, $4.00.

WRITE FOR LIST.

The GEO. WITTBOLD CO.
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40,000 Blooming Plants FOR EASTER.

3000 Crimson Ramblers, unique designs, extra fine plants, $1.00 to $25.00 each.

2000 Hydrangeas, the finest in the market, $1.00 to $5.00 each.

10,000 Lilium Longiflorum, 12c. and 15c. per bloom.

A large assortment of Hyacinths in pans, $1.00 per doz.

AZALEAS, 75c. to $15.00 each.
HYBRID ROSES, $5.00 per doz. and up.
SPIRÆA, $4.00 and $6.00 per doz.
RHODODENDRONS, $1.00 to $15.00 each.

Also a large assortment of Palms and other Ornamental Plants.

HERMAN C. STEINHOFF,
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EXTRA FINE

AZALEAS FOR EASTER.

Large Stock of Fine Plants such as

Mme. Van der Cruyssen, Niobe, Bernhard Andreas alba, etc.

ALSO EXTRA FINE

HYACINTHS

In pans and pots,

AND LARGE STOCK OF

DRACÆNAS (Terminalis)

CHAS. KROMBACH,
Ft. Hamilton Ave. and E. 4th St.
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

Baltimore.

A Carnation Show.

The annual carnation show, unde the auspices of the Gardener's Clul took place on March 23. As this exhibition is free to the public, the club ha no direct benefits from it, and there ar always expenses incurred which th club must liquidate, but the member believe that these shows are really ver beneficial to trade. This year's exhibition did not compare as to numbers wit that of last year, but the quality of th flowers was far superior. Some exceptionally fine blooms were on exhibition. I. H. Moss staged Chicago, a re sport of Mrs. G. M. Bradt, which wer immense. Mrs. G. M. Bradt, from th same exhibitor, were equally as good i size and substance. Mrs. Frances Joo was much in evidence, and shown b Halliday Bros. in fine condition. Th variety still holds here. The same fir exhibited Mrs. Lawson, Queen Louis and several other sorts in good shap Melba is still grown by Mr. Moss, an he finds a ready sale for it.

Fred Bauer's seedling, on the style Tiger, is an improvement on tha variety.

Easter and bulbous stocks we shown by Philip Welsh, of Waverl Lehr Bros. still cling to White Clou and they showed it well done.

John Cook had a fine lot of ro seedlings, among which was a variety the form of Mme. Caroline Testout, f which Mr. Cook predicts great thing He considers it one of the best roses has raised. Another, a Liberty seedling, crossed with a pink seedling, is light crimson color, and of good for A white seedling was also shown the same gentleman. Souvenir Pierre Notting was exhibited by hi but the flowers shown did not do t variety justice, as they were fro plants in 4-inch pots.

Charles Wagner, gardener to Mr. R. Diffendorffer, exhibited some we grown cinerarias and primroses. Jo Rider staged Genevieve Lord carnations of good quality.

Ulrich Brunner roses were shown Mr. Halligan, and Superintendent Se bold, of Patterson Park, loaned a co lection of ferns for decorative purpos

News Notes.

S. Feast & Sons had the deco tions for the Hibernian Society din on St. Patrick's Day. The work w well executed, the electrical display l ing especially fine. This firm's gree houses at Beechfield are all ablaze wi Easter stock. Their collection of de orative plants is no doubt the larg in this vicinity. They will build a lar addition to their palm house this co ing Summer. The lilies and hydrange are just right for Easter.

EDWIN A. SEIDEWITZ

Decorative Palm

Araucarias, Ficus, Bay Trees

And smaller size Palms for Spring shipmen
Carefully grown and packed by

HAERENS BROS., Somergem, Belgi

SOLE AGENTS:

AUGUST RÖLKER & SONS. P.O. Box 752, New Y

Mention the Florists' Exchange when writ

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 1 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 heads, $11.00 per doz.: one plant, $1.00. La plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. pots, $8.00 per 100; 4-in. pots, $15.00 per 100; $2.00 doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6 pots, $40.00 per 100; $5.00 per doz.; from 8-in. p and larger, $2.50 each and upward, according to s

Kentia Forsteriana and **Belmoreana**, fr 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4 pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 doz.; from 7-in. pots and upward, at $1.75 to $ each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5 pots, $40.00 per 100: $6.00 per doz.. Fine stoc larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. F plants.

Araucaria Compacta, from $1.00 upw Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. p $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, fr $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City,

Mention the Florists' Exchange when writ

ORCHIDS

LILIES IN POTS or CUT FLOWERS

JAMES McMANUS

WHOLESALE FLORIST

50 West 30th Street
TEL No. 759 MADISON SQUARE
NEW YORK CITY

I handle as fine **Orchids, Gardenias, Valley and Roses** as can be grown

Have also a nice lot of potted GENISTAS

INCREASED DEMANDS MAKE MORE CONSIGNORS NECESSARY, ESPECIALLY OF AMERICAN BEAUTY, METEOR AND LIBERTY ROSES. PROMPT PAYMENTS AND HIGHEST MARKET PRICES GUARANTEED

J. K. ALLEN

106 West 28th Street, NEW YORK.

The Pioneer House Is now prepared to book your Easter orders for **ROSES** all grades, **VIOLETS, LILY OF THE VALLEY, CUT LILIES, CARNATIONS,** and everything in the cut flower line not mentioned. Give us a trial. Send your orders along as early as possible. Personal attention given your wants. Open every morning at 6 o'clock.

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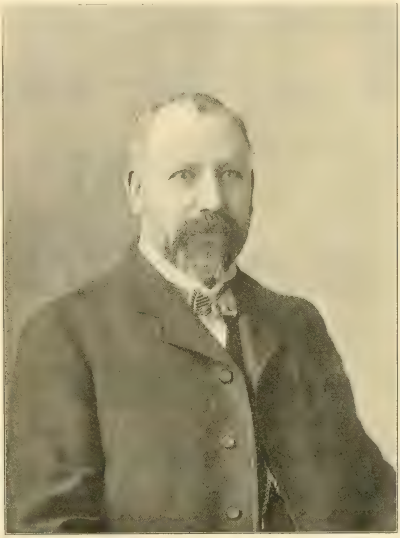

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WHOLESALE FLORISTS

53 West 28th Street,
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Leaders in Top Notch Prices

VIOLET PLANTS, COWSLIPS, DAISIES, ADIANTUM FERN, SMILAX, ASPARAGUS, High Grade CARNATIONS, MYOSOTIS, MIGNONETTE, BRIDE and BRIDESMAID ROSES our EASTER Specialties.

A Few More Consignments of Any of the Above Cut Flowers Can be Handled to Good Advantage.

ESTABLISHED 1872.

J. J. PERKINS

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Wholesale Florist

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Branch Store:
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Specialties:

ROSES=CARNATIONS=VIOLETS

A Full Line of Seasonable Flowers ALWAYS IN SUPPLY.
Shipping Orders attended to Promptly.
Consignments of good stock can always be handled; quick returns GUARANTEED.

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WILL HAVE ALL VARIETIES OF

Cut Flowers and Plants

FOR

EASTER TRADE

THE SPECIALTIES OF THIS HOUSE ARE

Roses, Violets and Lilies

ALL ORDERS CAREFULLY ATTENDED TO

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EARLY

We have the best stock in the market
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Galax, bronze or green, 75 cts. per 1000 in 5000 lots. $1.00 per 1000 in smaller quantities.

Use **Laurel Festooning** for your decorations. Fresh made from No. 1 stock, 4c., 5c. and 6c. per yard.

Moss, 50c. per sack.

Prince's Pine, $5.00 per 100 lbs.

Pine Festooning, 4c. and 6c. per yard.

Try Our $5.00 Bargain Offer for Easter

Every Florist should have the following: 1000 Dagger Ferns, 1000 Fancy Ferns, 1000 Bronze Galax, 1000 Green Galax, 10 yards Laurel Festooning, 5 lbs. Prince's Pine, one sack Moss. **All for $5.00.** Greatest bargain ever offered for Easter.

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Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack. Sphagnum Moss, $1.75 per bale. Southern Wild Smilax. 50 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50; Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

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SOUTHERN WILD SMILAX, $4.00 and $7.00 per case.

CLEAN LAUREL FESTOONING, 5 and 6 cents per yard.

Cut Palm Leaves for Palm Sunday

LEUCOTHOE SPRAYS, green and bronze, $1.00 per 100.

Also Other Decorative Greenery.

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3,000 000 will be sold for cash at $1.10 per 1000 for the next 15 days. Cash with order or no goods shipped. Don't expect them without the cash for I am on cash basis for the next 15 days, and nothing but cash orders will be attended to. Bouquet Green Roping, $5 00 per 100 yards. Cash only. Stock warranted. Laurel Roping, $4.50 per 100 yards. Sphagnum Moss, fine quality, 60 cents per bbl. Spring Trees, Maple, Elm and Northern Pine, for planting. All orders for cash attended to by mail or dispatch.

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57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, March 27, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	20.00 to 30.00
	" extra	10.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	8.00 to 10 00
	" extra	5.00 to 6 00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 10.00
	Liberty	2.00 to 25.00
	Meteor	.50 to 5.00
Adiantum		.75 to 1.00
" Peter Croweanum		...... to 1.50
Asparagus		25.00 to 50.00
Callas		6.00 to 8.00
Cattleyas		50.00 to 60.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to 25.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	1.00 to 1.50
		Pink	1.00 to 1.50
		Red	1.00 to 1.50
		Yel. & Var.	1.00 to 1.50
	*Fancy— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 4.00
		Red	2.00 to 3.00
		Yel. & Var.	2 00 to 3.00
	Novelties		3 00 to 4 00
Lilies			6.00 to 10.00
Lily of the Valley			1.00 to 2.00
Narcissus—Paper White			.50 to 1.00
" —Yellow			.25 to 1 50
Mignonette—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
Smilax			12.00 to 15.00
Sweet Peas			.35 to .75
Tulips			.75 to 2.00
Violets			.10 to .25
" special			.35 to .50
Lilac, per bunch			.50 to .75
Freesia, per bunch			.10 to .15

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Wholesale Commission Dealer in **Cut Flowers**
Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
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KAISERINS
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LILIES
(Plants and cut), $10.00 and $12.50 per 100.

Gardenias, Valley, Ulrich Brunner
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Something NEW in
Ribbons, Novelty
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Names and Varieties	Boston Mar. 25, 1903	Phil'delphia Mar. 24, 1903	Baltimore Mar. 24, 1903	Buffalo Mar. 24, 1903	Pittsburg Mar. 23, 1903
Roses — A. BEAUTY, fancy—special	40.00 to 50.00	...... to	...... to	20.00 to 30.00	25.00 to 40.00
" extra	25.00 to 30.00	25.00 to 40.00	...... to	12.00 to 15.00	16.00 to 20.00
" No. 1	12.50 to 16.00	15.00 to 20.00	25.00 to 40.00	8.00 to 10.00	8.00 to 12.00
" Culls and Ordinary	4.00 to 8.00	..... to 10.00	8.00 to 20.00	2.00 to 4.00	2.00 to 3.00
Queen of Edgely	8.00 to 40.00	10.00 to 40.00	...... to	...... to	...... to ......
Bride, 'Maid, fancy—special	... .. to 12.50	...... to	...... to	...... to	10.00 to 12.00
" extra	8.00 to 10.00	10.00 to 12.00	...... to	8.00 to 10.00	6.00 to 8.00
" No. 1	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	5.00 to 6.00	3.00 to 5.00
" No. 2	2.00 to 5.00	6.00 to 8.00	5.00 to 7.00	2.00 to 3.00	1.00 to 2.00
Golden Gate	...... to	8.00 to 12.00	5.00 to 12.00	2.00 to 8.00	2.00 to 6.00
K. A. Victoria	...... to	..... to	5.00 to 8.00	...... to	...... to ......
Liberty	4.00 tc 16.00	10.00 to 25.00	...... to	3.00 to 8.00	6.00 to 15.00
Meteor	4.00 to 8.00	8.00 to 12.00	...... to	2.00 to 8 00	4.00 to 8.00
Perle	...... to	8.00 to 12.00	4.00 to 6.00	3.00 to 6.00	2.00 to 6.00
ORCHIDS—Cattleyas	...... to	...... to	..... to	50.00 to 60.00	...... to ......
Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations — Inferior grades, all colors	.50 to 1.00	...... to	1.00 to 1.75	1.00 to 1.25	1.00 to 1.50
STANDARD VARIETIES — White	...... to 1.50	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
Pink	...... to 1.50	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2 00
Red	...... to 1.50	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 2.00
Yellow and var.	...... to 1.50	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
*FANCY (*The highest grades of standard var) — White	2.00 to 2.50	4.00 to 6.00	3 00 to 5.00	2.50 to 3.50	4.00 to 5.00
Pink	2.00 to 2.50	4.00 to 6.00	3 00 to 5.00	2.50 to 3.50	2.50 to 3.00
Red	2.00 to 2.50	4.00 to 6.00	3.00 to 5.00	2.50 to 3.50	2.50 to 3.00
Yellow and var.	2.50 to 3.00	4.00 to 6.00	3.00 to 5.00	2.50 to 3.50	3.00 to 4.00
NOVELTIES	3.00 to 4.00	..... to	...... to	5.00 to 6.00	4.00 to 8.00
ADIANTUM	...... to 1.00	...... to 1.00	..... to 1.00	.75 to 1.25	1.00 to 1.50
ASPARAGUS	25.00 to 35.00	25.00 to 50.00	20.00 to 60.00	20.00 to 60.00	20.00 to 50.00
CALLAS	8.00 to 10.00	...... to	8.00 to 12.00	8.00 to 10.00	6.00 to 12.00
CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	..... to .....
DAFFODILS	1.00 to 1.50	1.00 to 3.00	3 00 to 4.00	2.00 to 3.00	1.00 to 3.00
DAISIES	...... to	1.00 to 1.50	...... to	...... to	1.00 to 2.00
FREESIA	...... to	...... to	1.00 to 2.00	...... to	...... to ... ..
GALAX LEAVES	...... to	...... to .10	...... to .10	.10 to .15	. .... to ......
HYACINTHS	1.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	4.00 to 5.00
LILIES	8.00 to 10.00	12 00 to 15.00	...... to 12.00	10.00 to 15.00	10.00 to 12 50
LILY OF THE VALLEY	1.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
MIGNONETTE—Ordinary	1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	1.00 to 2.00	.75 to 1.00
" Fancy	3.00 to 4.00	..... to	...... to	3.00 to 6.00	2.00 to 4.00
NARCISSUS	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 3.00
SMILAX	12.00 to 15.00	...... to 20.00	10.00 to 25.00	...... to 15.00	15.00 to 18.00
STEVIA	...... to	...... to	...... to	...... to	..... to ......
SWEET PEAS	...... to 1.00	.50 to 1.50	...... to	.75 to 1.25	.50 to .75
TULIPS	1.50 to 4.00	...... to	...... to 3.00	2.00 to 3.00	2.00 to 5.00
VIOLETS	.40 to .75	.75 to 1.00	.50 to .75	.30 to .60	.20 to 1.00

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BEAUTIES, LIBERTIES, VALLEY
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Mention the Florists' Exchange when writing.

PITTSBURG CUT
FLOWER CO. LTD.
Wholesale Florists
PITTSBURG, PA.
ention the Florists' Exchange when writing.

Chicago.

he Easter Outlook.

It is a pretty hard problem to ve a satisfactory idea of the outlook r Easter stock at this time, especially ies. While some growers think there ill be enough of these to meet all deands, others fear there will be a iortage. One thing which can be finitely stated is that the percentage good lily stock is not so large as a ar ago; it is also noticeable that the imber of blooms to a plant does not ach that of last year. The fortunate ies will be those who place their orrs early.

The supply of other bulbous stock ill equal that of last season, although lips may be in greater abundance.

Regarding roses and carnations, the evailing opinion among the wholelers is that there will be a sufficient pply of these flowers for all demands, though at present the market is etty well cleared of these two aples.

There will be the usual supply of owering plants, including some extra ie azaleas.

McKellar & Winterson report trade ith them better than last Spring. hey find a good market for their aster novelties.

The Foley Manufacturing Company port their sales of greenhouse conruction material as greater for one onth this year than it was for the hole of last year. This firm has patted a new cast iron gutter which they e introducing to the trade, and which pears to take well.

Visitors in town: Chas. Siebrecht, inona, Minn.; John Bertermann, Inanapolis, Ind.; C. H. Roney, Jameswn, N. Y.; D. MacRorie, South range, N. J.; Mr. Kintzele, Michigan ty, Ind.

ROBERT JOHNSTONE.

St. Paul.

ews Notes.

Charles Vogt, who was ailing for long time, has improved of late, and w looks as robust as ever.

The traveling fraternity have been ming in droves. We record the folwing: J. Vandermey, with Van Zann & Sons; H. Van Zonneadd, of Van nneadd Bros.; J. M. Jansen, reprenting C. Keur & Sons; G. Krosschell, Waarnaar & Co., and others from e land of windmills, dykes and Dutch ilbs; Joe Rolker, of the metropolis; J. Van Heiningen, of P. Loef Az & ., of Boskoop; M. J. Weppner, with e Wittbold Company, of Chicago.

The Ladies' Auxiliary to the Northestern Manufacturers' Association, ho so ably conducted the flower show st season, have decided to hold anher exhibition the coming Fall.

VERITAS.

Louisville, Ky.

eath of Wm. Schulz.

The sincere sympathy of the craft extended to Mr. and Mrs. Jacob hulz in the loss of their son Wilam, who died of typhoid fever, March . He was a most promising young an. He had the natural love of and lent for the making of a fine grower. e had spent several years with his ther, and for the past year and a alf had been employed with Walker McLean, of Youngstown, O. John alker came to Louisville to attend e funeral. The writer, who had iown Mr. Schulz for fifteen years, n from personal knowledge speak of s generous heart and brave charter.

A. R. B.

E. C. AMLING
The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
House in Chicago
32, 34, 36 Randolph St., CHICAGO, ILL.

J. B. DEAMUD
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
51 and 53 Wabash Ave., CHICAGO

JOHN MUNO
Wholesale Grower and Shipper of
Cut Flowers
51 Wabash Ave. Room 221, Chicago
Telephone Central 3598. All telegraph and telephone orders given prompt attention.

GEORGE REINBERG
Wholesale Cut Flowers
FIRST CLASS ROSES ALL SUMMER
are fully packed and iced to ship any distance on short notice.
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Wholesale Growers and Shippers of
CUT FLOWERS
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With the Flower Growers' Co. Telephone Central 3067
All telephone and telegraph orders given prompt attention.

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RICHMOND, IND.

Headquarters in
Western New York
For ROSES
CARNATIONS
And all kinds of Seasonable Flowers
WM. F. KASTING
Wholesale Commission Florist
ALSO DEALER IN FLORISTS' SUPPLIES AND WIRE DESIGNS
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GIVE US A TRIAL. WE CAN PLEASE YOU.
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WE ARE WESTERN HEADQUARTERS
For CUT FLOWERS, SEEDS, BULBS and SUPPLIES for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.
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For EASTER
Cut Flowers of all kinds
Supplies and Novelties
Send for complete list. Early ordering advisable.
McKELLAR & WINTERSON,
45-47-49 WABASH AVENUE
CHICAGO.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties		Chicago Mar. 24, '03	St. Louis Mar. 24, '03	Cincinnati Mar. 24, '03	Milwaukee Mar. 23, '03	Detroit Mar. 25, '03
Roses	A. BEAUTY, fancy—special		25.00 to 32.00	25.00 to 35.00	...... to 35.00	25.00 to 35.00	...... to 40.00
	" extra		16.00 to 20.00	15.00 to 20.00	...... to 25.00	18.00 to 20.00	...... to 30.00
	" No. 1		12.00 to 15.00	8.00 to 12.50	8.00 to 16.00	10.00 to 15.00	...... to 20.00
	" Culls and Ordinary		6.00 to 8.00	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00	6.00 to 10.00
	Queen of Edgely		...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		6.00 to 8.00	7.00 to 8.00	8.00 to 10.00	...... to 20.00	...... to 7.00
	" extra		5.00 to 6.00	...... to 6.00	...... to 7.00	...... to 8.00	...... to 6.00
	" No. 1		3.00 to 4.00	...... to 5.00	4.00 to 6.00	...... to 6.00	...... to 5.00
	" No. 2		.. to	3.00 to 4.00	2.00 to 4.00	...... to 4.00	...... to 4.00
	Golden Gate		3.00 to 10.00	4.00 to 8.00	4.00 to 10.00	4.00 to 8.00	4.00 to 7.00
	K. A. Victoria		...... to	4.00 to 8.00	...... to	4.00 to 8.00	...... to ....
	Liberty		4.00 to 15.00	3.00 to 6.00	4.00 to 10.00	4.00 to 10.00	...... to ......
	Meteor		3.00 to 8.00	3.00 to 6.00	4.00 to 6.00	2.00 to 6.00	4.00 to 7.00
	Perle		3.00 to 5.00	4.00 to 6.00	...... to 4.00	4.00 to 6.00	4.00 to 7.00
ORCHIDS—Cattleyas			...... to	...... to	...... to	...... to	...... to 50.00
	Cypripediums		...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors		1.50 to 2.00	2.00 to 2.50	...... to	...... to	...... to ......
	STANDARD VARIETIES	White	2.00 to 3.00	3.00 to 4.00	...... to 2.00	2.00 to 3.00	2.00 to 3.00
		Pink	2.00 to 3.00	3.00 to 4.00	...... to 2.00	2.00 to 3.00	2.00 to 3.00
		Red	2.00 to 3.00	3.00 to 4.00	...... to 2.00	2.00 to 3.00	2.00 to 3.00
		Yellow and Var.	2.00 to 3.00	3.00 to 4.00	...... to 2.00	2.00 to 3.00	2.00 to 3.00
	*FANCY— (*The highest grades of standard var)	White	3.00 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
		Pink	3.00 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
		Red	3.00 to 4.00	...... to 5.00	3.00 to 4.00	...... to 3.00	3.00 to 5.00
		Yellow and Var.	3.00 to 4.00	...... to 5.00	3.00 to 4.00	3.00 to 4.00	3.00 to 5.00
	NOVELTIES		5.00 to 6.00	...... to	...... to	...... to	...... to ......
ADIANTUM			.75 to 1.50	...... to 1.00	...... to 1.50	...... to	1.00 to 1.50
ASPARAGUS			20.00 to 60.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	50.00 to 75.00
CALLAS			10.00 to 12.00	10.00 to 12.50	...... to 10.00	10.00 to 12.50	10.00 to 12.50
CHRYSANTHEMUMS			...... to	...... to	...... to	...... to	...... to ......
DAFFODILS			2.00 to 4.00	1.00 to 4.00	1.00 to 4.00	...... to 3.00	...... to ......
DAISIES			.75 to 1.50	...... to	.50 to .75	.50 to .75	...... to 1.00
FREESIA			...... to	...... to	...... to	...... to	...... to ......
GALAX LEAVES			.... to .15	...... to .15	...... to .15	...... to .20	...... to .10
HYACINTHS			3.00 to 8.00	.... to 3.00	4.00 to 5.00	...... to	3.00 to 6.00
LILIES			12.00 to 15.00	10.00 to 12.50	...... to 12.50	...... to	15.00 to 18.00
LILY OF THE VALLEY			3.00 to 5.00	3.00 to 4.00	...... to 4.00	...... to 4.00	3.00 to 4.00
MIGNONETTE—Ordinary			3.00 to 4.00	...... to	...... to	...... to	...... to 3.00
" Fancy			...... to 6.00	...... to	...... to	...... to	...... to 5.00
NARCISSUS			2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	...... to	3.00 to 4.00
SMILAX			16.00 to 20.00	12.50 to 15.00	...... to 15.00	...... to 18.00	12.50 to 15.00
STEVIA			...... to	...... to	...... to	...... to	...... to ......
SWEET PEAS			.. to 1.00	.60 to .75	...... to 1.00	...... to .50	.50 to .75
TULIPS			2.00 to 5.00	2.00 to 6.00	...... to 4.00	2.00 to 3.00	3.00 to 5.00
VIOLETS			.40 to 1.00	.25 to .40	...... to	.50 to .75	...... to .50

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Wholesale Florists
and Florists' Supplies
Manufacturers of WIRE DESIGNS
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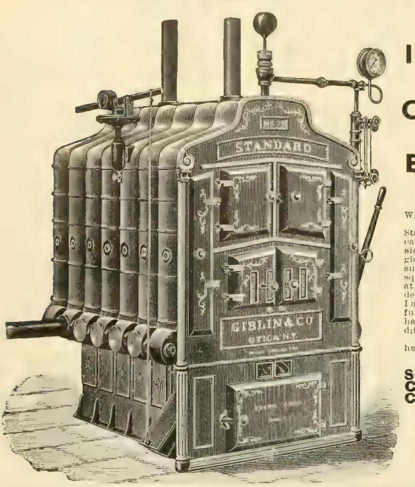
Wholesale Cut Flowers
and
Florists' Supplies
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

THE AMERICAN CARNATION
Now on Press. Write for particulars
Price, $3.50.
THE FLORISTS' EXCHANGE, 2 Duane St. N Y

PEACE OF MIND



is not generally included in the cost of the heating apparatus, yet every florist knows how valuable it is to him to have an apparatus that he can arrange

IN THE EVENING

and know it will carry with a certainty the proper temperature until morning. This is

ONE OF THE FEATURES

of our boilers, as is fully

EXPLAINED BY THE

following letter:

W. D. SNELL, Newville, Herkimer Co., N. Y., Jan. 2, 1901, says:

"I wish to express my thorough satisfaction with the No. 70 Standard Sectional steam boiler which I placed in my greenhouses early in December last year. I have three houses, 20x65, located side by side, with glass in roofs and gables. The houses are built of glass and wood and contain in all about 5,000 square feet of glass surface. I have in use about 2,000 feet one-inch pipe, or about 700 square feet of radiation. I carry a temperature of about 50 degrees at night, but have had no difficulty in getting any higher temperature desired. I find that the boiler will run ten hours without attention. I attend to it about nine o'clock at night and it will run with no further attention until seven o'clock in the morning. The draft I have is not a good one, yet notwithstanding this objection, I have no difficulty in getting the fire up aud getting as much steam as I desire.

"I can thoroughly recommend the boiler, and will be glad to have you refer to me anyone that wants further information."

Send for our Greenhouse Catalogue.

We can name price delivered at any railroad station in the United States, and special price is given where our boilers are not used.

GIBLIN & CO.,
UTICA, N. Y.

STANDARD FLOWER POT

Packed in small crates, easy to handle.

	Price per crate		Price per crat
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.
1500 2¼ " "	5.25	60 8 " "	3.
		HAND MADE.	
1500 2½ " "	6.00	48 9 in. pots in crate,	$3
1000 3 " "	5 00	48 10 " "	4
800 3½ " "	5.80	24 11 " "	3
500 4 " "	4.50	24 12 " "	4.
320 5 " "	4.51	12 14 " "	4
144 6 " "	3.16	6 16 " "	4

Seed pans, same price as pots. Send for price li of Cylinders for Cut Flowers, Hanging Baskets, Law Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N.**

Or August Rolker & Sons, New York Agents,
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WHY NOT BUY

RED POTS

OF US?

STANDARD SIZE

Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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CUT FLOWER BOXE

WATERPROOF. **Corner Lock Style.**

The best, strongest and neatest folding cu flower box ever made. Cheap, durable. To tı them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 10
0.—3x4x20	$2.00	$18.00	5 —4x8x22	$3.00	$27.
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,

Sample free on application. No charge for prin ing on orders above 250 boxes, Terms cash

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GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass. Painters' Supplies.

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EASTER GREETING SOUVENIRS

Handsome Flowery Effects.

Will delight patrons, and promote the business.

Low priced, in varied styles.

Samples now ready, free.

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We confine ourselves to Florists' Wire Designs exclusively. Catalogue on Application.

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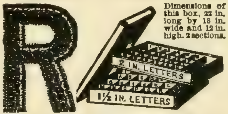
Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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A·H·HEWS&C
No. CAMBRIDG
MAS
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N.Y.
CATALOGUE
FREE

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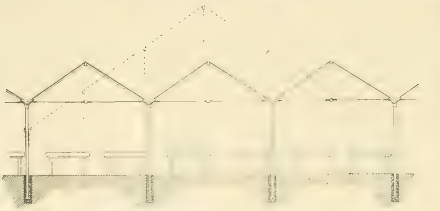

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (Patented.)

Approved and Adopted by Leading Florists all over the Country.

WE CLAIM THE FOLLOWING ADVANTAGES:

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.

Perfect Guttering. Cool in Summer and easy to heat in Winter. We are willing to prove these claims by testimonials. Write for Sketches and Catalogues.

A. DIETSCH & CO., PATENTEES.

Washington Red Cedar and Lousiana Cypress Greenhouse Material, Hot-Bed Sash and Greenhouse Hardware.

615-621 Sheffield Avenue, - - CHICAGO, ILL.

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THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
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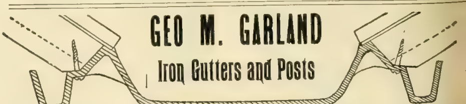

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Iron Gutters and Posts

After 15 years of actual use, the merits of the **GARLAND IRON GUTTER** have attracted the attention of the leading growers, who are adopting and proclaiming its merits, while would-be substitutes, based on theoretical ideas, will not be in existence 15 years hence. Write fo new Catalogue.

GEO. M. GARLAND, Des Plaines, Ill.

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LOCKLAND LUMBER CO.

All Heart Cypress Lumber.

FOR GREENHOUSES.

We have a larger stock than ever of open-air dried lumber. Any stock bought of us we guarantee to be not only free of sap, but knots and other serious imperfections as well. Our guarantee is good.

HOT BED SASH.

These are spot clear, strong and well made. Nothing as good made anywhere. We make a delivered price.

POSTS.

These are Tennessee Red Cedar and not the white or Michigan cedar. Red Cedar is a hard wood. They are the most durable. Cost a little more, but are worth more.

We have had twenty years' experience in the Greenhouse Business, and our Plans and Estimates are worth writing for.

OFFICE AND FACTORY: LOCKLAND, O.

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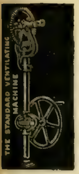

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE

Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only **Drip-proof Gutters** made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

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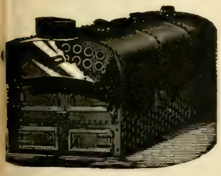
ROESCHELL BROS. CO.

IMPROVED

reenhouse Boiler

33 Erie St., Chicago.



oilers made of the best of material, shell, firebox ts and heads of steel, water space all around (front, and back). Write for information.

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Improved Recording Thermometer

JUST THE THING FOR YOUR

GREENHOUSE.

No. 1
STANDARD THERMOMETER. PEABODY

No. 200.
Send for catalogue and prices.

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PEABODY, MASS.

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HOTHOUSE GLASS

and GREENHOUSE PUTTY a SPECIALTY.

C. S. WEBER & CO.
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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars.

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For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

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VANHORNE, GRIFFEN & CO.,
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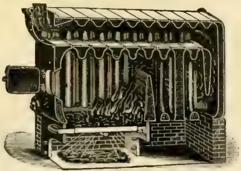
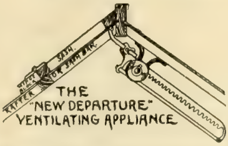


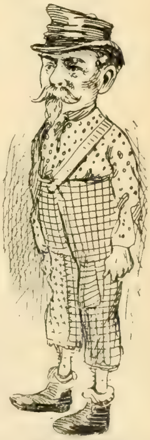
AMERICAN CHAMPION BILER.


SASH
RAFTER OR SASH BAR
THE "NEW DEPARTURE" VENTILATING APPLIANCE

THE EVERLASTIN HINGE

Mr. Editur:

I rite tew let u no i got threw the Winter alive, but it left me in bad shape, as u kin se by mi fotograf witch i send u. i am out uv klose an out uv everything but det, an i needs everything even tew galluses. i tied up the dorg with them one knite an he broke loose and went orf with tother ½ of em, an as i had the bad luck to git into a argyment with mi mother-in-law, she sewed me fur throwin her out in the window an brakin her leg, an i hed to pa 17 dolers and a ½ jist fur 1 leg. it do beet awl how onreezonable sum folks is, the hul uv the old gal aint worth that mutch.



MI FOTOGRAF IN HARD TIMES

Wel now ime broke, an "Samanthe Jane," that's mi wife, wants a nu easter bonnet an a brest pin, an the kids must hev a lot uv klose and 3 dols and 6 tops to keep a fus out in the fambly. So if i hev any frenz tel em to sho up rite quick an send in ther orders for what tha need fur ther green houses. Plese sa i have the **BEST BILER** an **VENTILATING CONTRAPSHIN** and **SASH HINGES** wot is, and if tha don't believe it tha kin by a lot ov em and be konvinced. Send tew me fur a Kat-a-log. Mi name is **J. D. CARMODY,** and i live in **Evansville, Ind.,** witch is klose to Posey Kounty.

Mention the Florists' Exchange when writing.

GUARANTEED WROUGHT IRON PIPE

Mention the Florists' Exchange when writing.

ALLEN AIR VALVES, Guaranteed Automatic

WHETSTONE & CO., Inc.,

911 Filbert St., Philadelphia

GREENHOUSE CYPRESS

FOR THE COMMERCIAL AND PRIVATE GROWER.

Construction the Latest,
Material the Best,
Prices Reasonable.

WRITE FOR BOOKLET,

THE GREENHOUSE MFG. CO.,
32 E. Third St., Cincinnati, O.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION

Write for particulars

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25.

MANUFACTURED BY

W. J. COWEE, Berlin, N. Y.

Samples Free. For sale by dealers.

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J. STERN,

1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.

Wax Flowers, Floral Designs, Florists' Supplies.

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ALL NURSERYMEN, SEEDSMEN AND FLORISTS

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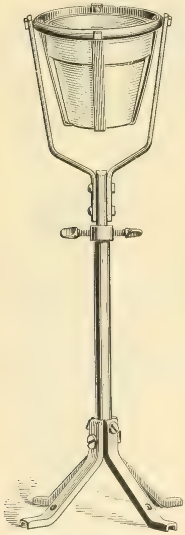
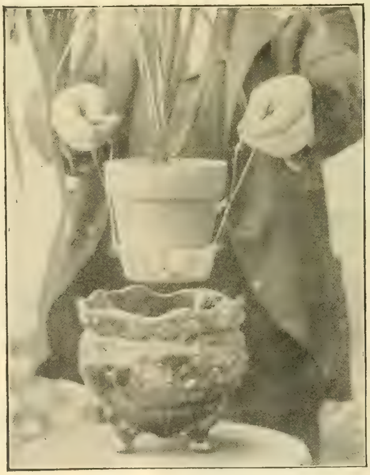
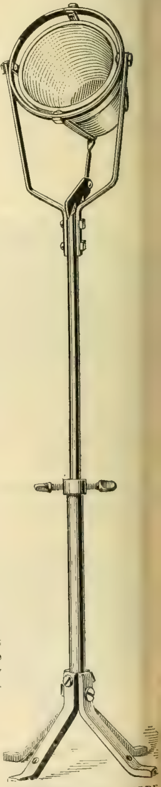


EXTENSION POT HOLDER
At Rest



PLANT SAUCER and LIFTER



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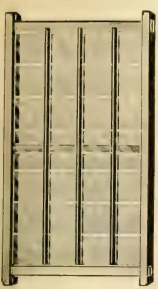

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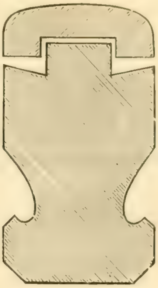

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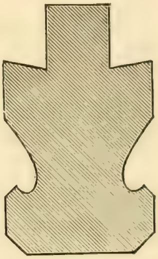

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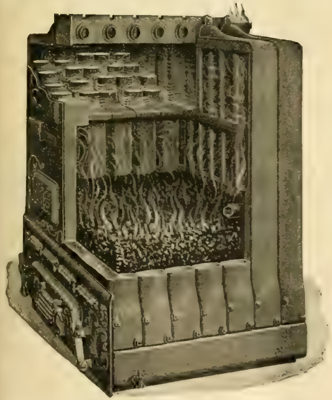

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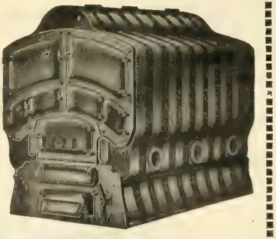

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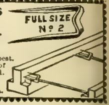

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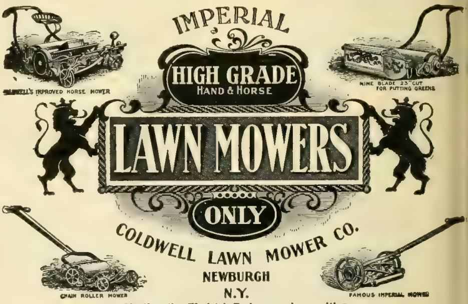
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Review of the Market

NEW YORK.—There has been no arked change in the cut flower trade iring the last week. Roses are plentil enough to fill all demands, and so far s American Beauty are concerned it is ily the special grades that clear out all satisfactorily. The shorter grades this variety are generally imperfect, id it is a difficult matter to obtain anying like a decent average price for iem. Bride and Bridesmaid are at out the same prices as last quoted, ough the former variety does not move arly so well as the latter.

Violets are having quite a struggle to ep their end up. The vast quantities such Spring blossoms as daffodils, and ie low price at which No. 2 roses are tainable, give the street men a clear ld, and unless they can get violets at eir own figures they throw them down id devote their attention to the other pring flowers.

Lily of the valley is going slow, and rnations are not in any better condition. he best lilies are fetching 10c. Cattleyas ave assumed a rather stiffer position, c. being reached for some of them. weet peas are not up to their average uality, and the lowest quoted figure is ie rule rather than the exception.

Smilax and other green material are in ir demand, and prices remain unhanged.

BOSTON.—Owing to dull, rainy weather the early part of the week, business pened up very slow, and stock accumuated quickly, so that at present writing Wednesday) the market is overstocked nd the demand below normal. Roses ave become more plentiful this week, nd Bride and Bridesmaid, which were o scarce a week ago, are now plentiful nough to meet the demand. American eauty and Queen of Edgely are in good upply and move slowly. A few fancy pecials make $50.00 per 100, but the deand is not heavy enough to clean them p daily at that figure, and many are sold t $35.00 and $40.00. Extras make $25.00 o $30.00, and No. 1, $20.00 down to $16.00, hile the smaller grades fetch from $6.00 o $12.00. Bride and Bridesmaid, last eek, ran to $16.00 per 100 for specials or a few days, when they were scarce, ut now $12.50 is the ruling figure for he best, with No. 1 at $10.00, seconds t $6.00 to $8.00, and the smaller ones t $2.00 to $4.00 per 100.

Meteor make about the same prices as ride and Bridesmaid, and Liberty range rom $3.00 to $8.00 per 100, except for a ery limited supply of extra choice stock, or which $16.00 to $20.00 is realized. A ew Ulrich Brunner and General Jacqueminot arrived last week and this week. The former are now quite plentiful, anging in price from $4.00 to $12.50 per 00, with fancies at $16.00. The latter run s high as $20.00 and $25.00 for a very imited supply of excellent quality, with rdinary grades at $6.00 to $16.00.

Carnations are now in over-stock and nove very slowly. First grade stock of rdinary sorts is freely offered at $1.50 o $2.00 per 100, with the best of the etter varieties at $2.50 per 100, while ancies are held at $3.00 and $4.00. Inferior stock is cleaned out at 50c. to $1.00 er 100.

Bulbous stock continues very druggy at nuch the same figures as last week, or erhaps a trifle lower. Princeps have een freely offered at $1.00 per 100 for first-class stock and even at this price it has been impossible to dispose of the daily cut at times.

Violets continue in very good supply, though there is a noticeable falling off in the single ones since the hot weather of last week, and it is extremely doubtful if they will hold out until Easter. Good single violets are now held at 50c. to 75c. per 100, with doubles at from 40c. to 60c. per 100. Lily of the valley is very druggy at usual prices.

Lilies have become very plentiful and are moving only fairly well at $8.00 to $10.00 per 100. The shortness of stem is very noticeable throughout nearly all the cut, though there are some very fine flowers for which $12.50 is realized.

From present indications the only decided shortage for Easter will be in single violets. A few Mayflowers have arrived, but coming from some distance did not reach the market in the best of condition. Welch Bros. received a shipment of camellias on Monday, a flower little seen in the Boston markets this Winter, for which quite a good demand was found. F. J. N.

CINCINNATI. — General business is good; stock also; but you might say scarce. Best American Beauty sell at $4.00 per dozen, Bride and Bridesmaid at $5.00 to $8.00; carnations $2.00 to $4.00, the average being $3.00. Golden Gate and Ivory roses bring $4.00 to $8.00; Liberty, $4.00 to $10.00. Bulbous stock of all kinds at the usual prices. Lily of the valley, $4.00. Violets are now about done. Lilium Harrisii is at $12.00; callas, $1.00 to $1.20 per dozen; lilac, 4c. per bloom. Smilax is very scarce. Asparagus realizes 50c. per string. A. Sprengeri, $4.00 per 100. E. G. G.

CHICAGO.—There has been no material change in the market since last report, and from every indication there will be none for some time to come. There seems to be no increase in the quantity of stock arriving. Some houses may report a better supply, while the next two or three visited will not have so much as a week ago. Long-stemmed American Beauty are not in over-abundance, and those coming in find a ready sale at a good price. Bride and Bridesmaid are in about the same condition as last reported. Liberty is not so plentiful in the fancy grades, and but very few of this class are being received. Perle des Jardins and Meteor remain the same, both as regards quantity and price, as last week. Some extra fine Golden Gate are to be seen and are selling well at $10.00 per 100. Sunrise and Mme. Abel Chatenay are both good sellers on this market; the former bring from $6.00 to $8.00 per 100, and the latter $6.00 to $10.00. Lilies of all kinds seem to be more plentiful than a week ago, but they are not moving so readily as they might; this is especially true of callas.

Violets are still a hard article to dispose of at a fair figure. There must have been some cutting of prices towards the last of the week, as the Greek was found selling violets at a nickel a bunch of 25; and he is too shrewd a buyer to sell at less than cost price.

It seems almost impossible to find enough greens to meet all demands. The price remains the same as last report.

Some extra fine double stocks are on the market, selling fairly well at from $4.00 to $6.00 per 100. R. J.

ST. LOUIS.—The few beautiful Spring days of last week made stock of all kinds decidedly more plentiful. To-day (Tuesday) the weather has changed to Winter again, and quite a lot of snow fell. It has been reported that small fruit trees and early shrubs are badly damaged, as a great many of them were much advanced in leaf. This weather stopped the sale of plants at Union Market, which had already begun to look Spring-like. At the wholesale houses roses are looking better, and the price has weakened considerably. Firsts in American Beauty bring $3.00 and $4.00 per dozen. In Bridesmaid, Golden Gate, Bride, Meteor and Liberty, $6.00 to $8.00 per 100 buys choice stock; Perle des Jardins and Souvenir de Wootton, $4.00 and $5.00 per 100.

The supply of carnations is good, fancy stock goes at $4.00, other sorts at $2.00 and $3.00 per 100. White are selling out clean, but some of the colored varieties are suffering for lack of demand. Bulbous flowers are somewhat scarce.

There is a good deal of speculation as to the Easter supply of Lilium Harrisii. Reports from a few well informed growers intimate that there will be plenty for all demands; but that the cut will not be as large as last year. Plenty of Von Sion narcissus were dumped the last week; also colored tulips.

Violets were a great glut last week, but at the present time they are again in demand and sell well at 25c. to 50c. per 100. Quite a lot of sweet peas are in the market just now, and of good quality; these are having a great call at 50c. to $1.00 per 100.

Owing to several large Spring openings, smilax, both cultivated and wild, had a good call. The retail trade keeps up well, and almost everybody reports something doing in large funeral orders. ST. P.

CLEVELAND.—Trade the past week has improved considerably; the bulk of the flowers offered being eagerly sought. Funeral orders are very much in evidence, and these help, or might say are a leading factor, in bracing up the market. Such conditions, with a little dark and cold weather, will send prices up again to the Winter level. Common ferns seem to be the hardest to obtain, as all the wholesalers were out of them most of last week. Smilax and asparagus are also scarce, and buyers are looking for them. One of our largest wholesale houses has issued the following preliminary price list for Easter: American Beauty, select, $50.00 to $60.00; medium, $25.00 to $35.00; shorts, $10.00 to $12.00. Bride, $8.00, $10.00 and $12.00; Bridesmaid, $8.00, $10.00 and $12.00; Meteor, $8.00, $10.00 and $12.00; common roses, $5.00. Carnations, white, selects, $5.00 to $6.00; pink, selects, $5.00 to $6.00; red, selects, $4.00 to $6.00; Harrisii lilies, $15.00 to $18.00; callas, $12.00 to $15.00; daffodils, double, $3.50 to $4.00; single, $3.00 to $4.00; tulips, double pink, $4.00 to $5.00; single red, $3.00 to $4.00; single, white, $3.00; yellow, $4.00; Narcissus poeticus, $2.00; lily of the valley, $3.00 to $4.00; violets, double, $1.00; single, 75c.; sweet peas, $2.00; mignonette, $6.00; smilax, $20.00; maidenhair fern, $1.00 to $1.25; ferns, common, 20c.; galax, 10c. per 100; wild smilax, per case, $5.00. These prices may vary somewhat, but good stock will be sought. G. W. S.

BALTIMORE.—Stock has not been so plentiful during this Lent. Violets, which, as a rule, form one of the main gluts, have been extremely scarce. Roses, and more particularly white carnations, have been at a premium the whole season, and even now they are everything but abundant. E. A. S.

INDIANAPOLIS.—Almost unendurable weather for this season of the year has put all kinds of stock in a poor condition. Bulbous flowers, also carnations and roses, show the effects of the weather to a great extent. They are very soft, and unsatisfactory to handle. Stock kept coming in great quantities during the week, and by Friday and Saturday there was a glut hard to overcome.

No. 1 Bridesmaid and Bride sell at 6c. to 7c.; Perle des Jardins and Sunrise, 5c. to 6c.; Liberty, 7c. to 10c.; seconds and shorts vary from $1.00 to $3.00 per 100. Bride are outselling other colors by a wide margin. American Beauty are plentiful, but the quality is not so good as during past weeks.

Carnations are not overplentiful; good varieties sell at $2.00 to $3.50 per 100; 75c. per dozen is the retail price for them.

Violets are getting smaller, and if the present weather continues they will be very scarce for Easter.

Harrisii lilies are plentiful. The demand for them is good, at $3.00 per dozen, retail; $1.50 per dozen wholesale. I. B.

LOUISVILLE, KY.—Business continues good, especially brisk being the demand for decorative work, as the majority of the department and millinery stores have been holding their annual Spring openings. Prices received for decorations are nearly always close, as the largest decorations are let out by bid, and competition is keen here. Retail prices for cut flowers remain about the same as last quoted. A. R. B.

GRAND RAPIDS.—We have had a taste of Summer weather, the thermometer registering 70 to 80 degrees. Some thought Spring had come early, and actually bought geranium for planting out. Winter is with us again, however, a blizzard of snow and high winds, with thermometer as low as 21 degrees.

Trade is a little slow, but shipping business remains good. The demand and supply are about equal, except on some days, when roses are scarce. Pot plants for Easter are coming along nicely. There will be plenty of bulb stock in pots, but when it comes to cut flowers they are going to be very scarce; that is, roses and carnations. G. F. C.

Canadian News

Toronto.

News Notes.

Fred Brown, who has sold out his store on Queen street, is managing the flower department of the R. Simpson Company's store.

T. S. Chambers, youngest son of our Park Commissioner, John Chambers, died on Saturday last. He was a very bright young man, and was in his twenty-fourth year. He was well known as a cricketer, and had played on the international team in several American cities. Interment took place on Tuesday, the 24th. There was a very large attendance at the funeral. The floral work was of a high character. His father, mother, and family have the sympathy of the profession here in their sad bereavement. T. M.

Montreal.

The News.

A burglar favored Bertie Graves with a visit the other night. Entrance was effected by removing a pane of glass from the stable window. Mr. Graves was awakened by his dog and gave the midnight visitor a good run, but failed to capture him. Being in such a hurry getting out, the thief did not succeed in carrying off anything.

Fred Copperthwaite has a monopoly of the growing of cauliflowers (early Erfurt) around here. He says they pay very well, being preceded by a crop of lettuce and succeeded by bedding plants. W. C. H.

St. John, N. B.

John Cruikshank, Lancaster, who suffered so badly in a financial way by the fire of supposed incendiary origin last August, has his greenhouses and flower-growing premises nicely rebuilt.

MONTREAL.—The prospects for a large supply of Easter flowers and plants are not encouraging. The present mild weather will help along belated batches of stock that would not otherwise be in; but lilies, owing to such a large number of them being diseased, will certainly be very scarce. Crimson Rambler roses have not flowered very well, probably because the wood did not ripen well last Fall. Spiræas are to be had in quantity, and of good quality. Lilacs, snowballs, hybrid roses and azaleas will be available, but only in some cases will the quality be up to the mark. Bulbous stock is plentiful and well grown.

Jos. Bennett's Crimson Rambler roses are again a feature of the Easter market this year. These are of last year's propagation, planted in the field from two-inch pots lifted in the Fall after the first frost, stored in the bulb shed until about Christmas, when they are potted two or three in a pot, and grown cool. They flower freely and make nice dwarf plants that sell on sight.

S. S. Bain shows the finest stock of hydrangeas seen in this section for some time. Grown in from five to nine-inch pots, they form a valuable addition to his extensive supply of Easter stock.

P. McKenna & Son have the only real healthy batch of Harrisii lilies to be seen, bearing from seven to eleven flowers. If one could rely on getting such bulbs every year, there would be some encouragement in growing this lily. W. C. H.

LONDON, ONT.—Bride and Bridesmaid, $5.00 to $10.00; Golden Gate, $5.00 to $10.00; carnations, inferior grades, all colors, $2.00; standard varieties, $3.00 to $4.00; daffodils, $2.00 to $3.00, hyacinths, $2.00 to $3.00; lilies, $15.00; lily of the valley, $2.00 to $3.00; narcissus, $2.00 to $3.00.

The continued mild weather has increased the quantity of stock until now, with the exception of white carnations, there is enough to supply the demand. Prices remain much the same. Bulbous stock is plentiful, and moves fairly well, considering the mild weather. G.

TORONTO.—Business has picked up a little, but the supply appears to be inexhaustible. Bulbous stock, lily of the valley, violets, roses and carnations are to be had of fine quality and almost in any quantity. Some Emperor and Empress narcissus are very fine, and generally find ready sale. Lilies are not quite so plentiful, and there are indications that though Easter is late this year there will be quite a few belated lilies. Most of the plants around look well, but several are just a little behind. Azaleas will be fairly plentiful. There are several lots of pot roses that will be about right. Cut stock will be in sufficient supply. The demand will be about the average. Spiræas are not so much in favor as formerly, but there are some very nice ones around. The department stores are having quite large floral decorations this week and they will use up a big stock of plants that are not fit for much else. These stores don't mind much about the quality, generally, so long as the stock is showy and cheap. T. M.

DON'T DELAY.

Per 10
Kentia Forsteriana, 4 in., ready for 5 in., 5 leaves .. $3.00
Kentia Belmoreana, same size, splendid 3.50
Asparagus Plumosus, 3½ in., fine, well colored 1.00
Pelargonium Victor, 3 in., strong 80
Holly Fern, splendid stock, 2½ in. $4.00 per 100.

Webster Bros., Plantsmen. Hamilton, Canada

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HIGH GRADE ASTER SEED

	Trd Pkt	¼oz	Oz.
Queen of the Market, white, pink, mixed	10	20	50
Branching, white, pink, mixed	15	25	75
Giant Comet Bride, white, pink, mixed	15	25	75
Perfection, white, pink, blue crims'n, mxd	15	25	75
Chrysanth, white, pink, blue, crim'n, mxd	15	25	75
Victoria white pink, blue, crimson, mxd	15	20	60
Hohenzollern, white, fine	25		

E. GRAINGER & CO.,
Deer Park Conservatories. TORONTO, ONT.
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PLANTS FOR EASTER
EASTER LILIES
Azaleas Spiraeas
Rhododendrons
Hyacinths Tulips
Daffodils
Primula Abconica
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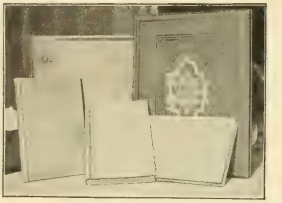
FLORICULTURAL AND HORTICULTURAL LITERATURE



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Plant Culture	**1.00**
The Landscape Artist (Residential Sites)	**2.50**
Violet Culture	**1.50**
Water Garden	**2.00**
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Coal Didn't Bother Us!

We are Headquarters for

Easter Plants

Blooming Easter Week or Before.

I have an immense stock of the finest and choicest in Philadelphia, and in such quantities that exceed anything that I have ever offered before. Several new greenhouses have been added to our large establishment, and these, with many hotbeds, are devoted to the entire cultivation of Easter plants alone; therefore I will be prepared to fill all orders if sent in time as far as the supply will reach.

AZALEA INDICA.

Have two houses 20 x 100 feet full of these choicest and most favorite Easter plants. Most of my customers already know that I am agent for a large concern in Ghent (Belgium), O. Vanden Plas; therefore I can offer you plants at first hand and not through the middleman. In the interest of my customers I go there every year if possible and select my stock personally for the American market. **Notice:** My Azaleas as soon as they arrive from abroad are planted in pots and pinched out as often as it is necessary and taken care of all winter, while some florists place their plants in hot-beds or frames without pots until sold.

MME. VAN DER CRUYSSEN is a rare article this Easter, but as a novelty I can offer about 700 (6-in. pots) of the finest middle-sized plants of this variety, and these are the finest you ever laid your eyes on, as round as an apple, covered with buds. Price, 75c., $1.00, $1.25 each. Specimen plants, 10 and 11-in. pots, $4.00 and $5.00 each.

Other choice varieties in double white, we have Niobe, Bernhard Andreas alba and Deutsche Perle. In pink we have Simon Mardner, Dr. Moore, Memorier, D. L. Van Houtte, Paul Weber, etc. In variegated we have Empress of India, Prof. Walters, Vervæneana, and about eighteen more best varieties of all shades and colors, too much to mention. Price, 6-in. pots, 60c., 75c., 85c., $1.00 and $1.25 each. Specimens, 7-in. pots, $1.50 and $1.75 each.

AZALEA MOLLIS, a novelty when in bloom, 6-in pots, 60c. and 75c.

SPIRÆA COMPACTA, 6-in. pots, $3.00 per dozen (my own importation, fine, bushy plants).

CINERARIA HYBRIDA (perfect jewels), all shades and colors, full of buds and flowers, 6-in. pots, $3.00 and $4.00 per dozen; specimen plants, $5.00 per dozen, smaller plants, 5 and 6-in. pots, $2.50 per dozen.

DAISIES, white and yellow, 6-in. pots, $3.00 per dozen.

LILIUM HARRISII. Have about 2500 of these (H. F. Michell's selected bulbs, 7 x 9, at $120 per 1000); height from 15 in. to 36 in., 5 to 12 buds to the plant, at the rate of 10c. per bud. Lilies are scarce; other plants must accompany the order.

HYDRANGEA OTAKSA (pink). Have a large housefull in tip-top condition, better than ever; strong plants, 6-in. pots, $4.00, $5.00, $6.00 to $9.00 per dozen. Specimens, 7-in. pots, $1.00, $1.25 and $1.50 each (a few white ones at $3.00 per dozen).

BEGONIAS. Pres. Carnot, 5-in. pots, $2.00 per dozen; 6-in. pots, $3.00 per dozen.

BEGONIA Metallica, 6-in. pots, very large and bushy, $4.00 and $5.00 per dozen.

BEGONIA Vernon (dark red), a new variety from Switzerland, 6-in. pots, full of flowers, $3.00 per dozen.

BEGONIA Vernon (dark red), 4-in. pots, $1.50 per dozen.

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HYACINTHS, all named varieties, from first-sized bulbs of my own importation, all fine shades, $10.00 per 100.

TOURNESOL TULIPS (double red and yellow striped), best double Tulips in existence, sell at sight, three bulbs in a 4-in. pot, $1.50 per dozen pots.

DAFFODILS (Von Sion), double-nosed, three bulbs in a 5-in. pot, unusually fine this year, $2.00 per dozen pots.

Mr. G. Aschmann has very fine azaleas, hydrangeas, Easter lilies, spiræas, cinerarias, tulips hyacinths and other plants in bloom and bud. We very highly recommend our customers to Mr. Aschmann for fair and reliable business treatment. (Signed) Henry F. Michell, 1918 Market St.

No use talking, Mr. Aschmann has a very fine lot of Easter plants, and I am greatly surprised at the low prices quoted on same. I can recommend Mr. Aschmann to anyone, as I have known him for the past 29 years. (Signed) Geo. Huster, head gardener of Girard College, Philadelphia, Pa.

There is nothing too much said in Mr. Aschmann's ad.; all that is said is true. (Signed) Thomas Logan, head gardener to W. L. Elkins, Ashbourne, Pa.

On account of saving express charges please mention if plants are to be taken out of pots or not.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere, only 25 minutes' ride from City Hall. Take 13th St. car, or Germantown car, 8th and Market Sts. north to Ontario St. and walk one square east. Cash with order, please.

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Moss, 5-barrel bale, $1.25; 3 bales, $3.25; 5 bales, $5.00. **Bean Poles,** 2½-in. to 3-in. butt, 10 to 12 feet long, $2.50 per 100; $22 50 per 1000.

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CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

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HERE I AM AGAIN!

Easter Lilies, good sized plants, run from 3 to 6 flowers and buds, 10 cents.

Daffodils, 3 bulbs, double-nose, to a 5-in. pot, $2.00 per 12, very fine.

Hyacinths, very fine, $1.20 per 12.

Tournesol Tulips. red and yellow, $1.50 per 12

Periwinkle, 4-in. pots, $10.00 per 100.

Geraniums, 4-in. pots, $8.00 per 100.

Spiraea, 6-in. pots, $3.00 per 12.

Roses, strong, in 6-in. pots, Bride or Magna Charta, $35.00 per 100.

Genista, 5-in. pots, 2 ft. high, $3.00 per 12.

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63 Goodman St., Rising Sun,
Take 8th St. Car. **Philadelphia, Pa.**

120,000

GIANT PANSIES

Masterpiece, mammoth curled and frilled, and **Roemer's Superb Giant Prize Pansies,** best that money can buy. Large plants, showing bud and bloom, 70 cts. per 100; $6.00 per 1000. Express prepaid for 20 cts. per 100, $1.50 per 1000. Strong plants, 40 cts. per 100; $3.00 per 1000; prepaid for 15 cts. per 100, $1.00 per 1000. Above all Fall sown seed and transplanted. Small plants of same strain of seed, 4 to 8 leaves, large roots, from seed bed, 40 cts. per 100; $3.00 per 1000, express prepaid.

ASTERS

We make a specialty of Aster plants for florists' cut flowers, all long stemmed kinds, (no dwarfs), and have a stock of European Novelties Send for list describing them.

Early Parisian, earliest of all Asters, white and pink.

Queen of the Market, scarlet, crimson, light blue, purple, white and pink.

Ostrich Feather, large and double, white and pink.

Semple's Branching, lavender, purple, bright pink, daybreak and red, 40 cts. per 100; $3.00 per 1000.

Hohenzollern, pure white, delicate rose, shining crimson (New). Grandest Asters to date, mammoth size, 7 inches across, double to the center, resembling a large Japanese Chrysanthemum, unsurpassed for cutting and bedding. Strong stems, 18 to 20 inches long, 70 cts. per 100; $6.00 per 1000.

Japan Aster (New) Beautiful rose-pink, overlaid with a delicate coppery shade, 4 to 5 inches across.

Sunlight, sulphur yellow, pure delicate yellow.

Salmon Aster, fine new color.

Express prepaid on all Aster plants. Send for price list of Asters.

GERANIUMS

S. A. Nutt and **Mme. Bruant,** 2½ inch, strong, $2.50 per 100. **S. A. Nutt, La Favorite, Mme. Bruant, Heteranthe, Ricard, E. G. Hill,** $4.00 per 100. **Jean Viaud,** 3 inch, $5.00 per 100. Can remove part of soil and will pack light.

CANNAS

Chas. Henderson, best red, colossal large bronze foliage, red flowers. Also a large stock of standards, **Florence, Mme. Crozy, Bouvier, Etc.** Will close out at $1.00 per 100; $10.00 per 1000. Cash with order.

DES MOINES PLANT CO.

38th Street, DES MOINES, IOWA

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DEAN'S

System of Greenhouse Heating

PRICE, $2.00.

Syracuse vs. Utica.

A delegation of Syracuse florists visited Utica on March 18 as the guests of the Utica Florists' Club. They visited the greenhouses of Messrs. Crowe, Rowlands Pfeiffer and Mathews and spent some time in visiting other places of interest At 6:30 o'clock, in the company of the Utica florists, they went to the Arcanum Club, where a fine supper had been prepared by Caterer Stockhauses. At Maennerchor Hall a bowling contest was held The scores were:

UTICA.

McLean	118	99	62	87— 36
Baker	150	154	142	154— 60
Rowlands	121	122	141	101— 48
Spencer	121	142	114	129— 50
Pfeiffer	125	139	140	150— 55
Mathews	99	118	114	124— 45
Hoffman	140	110	119	106— 47
Day	107	160	139	153— 55
McGowan	97	111	86	90— 38
Brain	99	71	101	84— 35
				4749

SYRACUSE.

Quinlan	96	95	152	117— 46
Davis	102	103	122	136— 46
Dow	112	106	138	114— 47
Growell	143	99	116	121— 47
Heller, Jr.	146	151	151	145— 69
Heller	110	106	117	117— 45
Messer	108	131	119	119— 47
Ham	115	134	105	105— 45
Brandt	142	138	129	137— 64
Powers	81	85	95	93— 35
				495

It will be seen that the visitors were victorious by 205 pins. The best work for the Uticans was done by Baker, Spencer, Pfeiffer and Day, and for Syracuse by Heller, Jr., and Brandt.

WASHINGTON, D. C.—The Retailers beat the Growers by 158 pins on March 25. The Washington bowlers are doing some very good work, and expect to be in the race next convention in Milwaukee The scores were as follows:

Retailers.		Growers.	
Cook	147	Ernest	16
Smith	118	Barber	14
Kimmell	121	Clark, Jr.	8
Wolf	165	Ash	14
Shine	102	Clark, Sr.	14
Davidson	119	Herold	8
Freeman	160	Davis	10
Jones	108	Kramer	124
Bauer	92	Minder	95

C. W. W.

ST. PAUL.—While there has been an occasional dull day during Lent, trade on the whole has been very satisfactory. As is usual during March, the weather has been of all sorts, some of which was not altogether desirable for either selling or growing stock. However, there has been an abundance of sunshine, and flowers have been greatly improved in quality, as well as more plentiful. A few days of dark, damp weather the past week shortened the cut so that the supply now is hardly equal to the demand. Violets, which have been off crop all Winter, are becoming quite plentiful, and prices are away down. Good stock has been sold as low as $3.00 per 1000, though the usual run is from $5.00 to $7.50. Carnations at 50c. per dozen, retail, are becoming quite common, but good blooms are worth from 75c. to $1.50, according to the quality. Roses hold up well, good stock retailing at $2.00. Bulbous flowers are very abundant, some of the poorer ones not finding any market at all. We fear that the plethora now will mean a dearth at Easter. Every one anticipates a nice Easter trade, and is preparing accordingly. The growers have their stock well along, and unless an unforeseen calamity occurs there will be sufficient for all demands.

VERITAS.

WASHINGTON, D. C.—Trade has slackened down somewhat the past week, and I expect it will remain so until Easter. Roses are somewhat poorer in quality, but are more plentiful on account of the warm weather.

All kinds of potted plants will be scarce for Easter, if the weather conditions are the same as they have been; but roses and lilies will be plentiful. The florists here expect a good Easter trade. Prices are about the same as last week.

C. W. W.

PROVIDENCE, R. I.—We have had constant rain, followed by an occasional day of delicious warmth and brightness. Business is good in some branches and quiet in others. Flowers are plentiful, excepting a short crop in roses for a few days. Violets are shy, and causing worry.

C. S. M.

John Scott's Specialties

CANNAS

leading varieties, at very low prices.

I have bought the Cottage Gardens collection, and am prepared to offer 100,000 plants, in 25 of the

Why buy Dormant Roots when you buy the Growing Plants almost as cheap?

Nephrolepis Piersoni (The Pierson Gold Medal Fern)

Choice Stock for immediate delivery at introducer's prices.

BOSTON FERNS

Any size, any quantity, for May and June delivery.

Headquarters For Coleus and Alternanthera May and June Delivery

JARDINIERE FERNS

We have thousands of these. Extra fine bushy stock, $4 per 100; $35 per 1000.

Easter Stock

In fine condition: **Crimson Rambler Roses, Longiflorum, Lilies, Azaleas.**

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To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz. that the more successful a customer is with plants the greater quantity will he or she buy.

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1000	double **SWEET ALYSSUM,** 2½ in. pots	$2.50
1000	**STEVIA SERRATA** (tall-growing), 2½ in. pots	3.00
1000	**SHASTA DAISIES,** strong, 2½ in. pots	6.00
500	**RASPBERRY PLANTS,** Philadelphia	3.00

25 AT 100 RATES.

50,000 Dormant Cannas (SELECT STOCK.) A. Bouvier, Chas. Henderson, Paul Marquant, Mme. Crozy, Florence Vaughan, Burbank, Egandale, 100, $1.50; 50 at 100 rate. Choice mixed, 100, $1.25; 1000, $10.00. 500 at 1000 rate.

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WM. DILGER, Mgr.

We offer plenty of **EASTER LILIES** in pots or cut by the 100 or 1000. Send for our **SPECIAL EASTER PRICES** on everything for store and greenhouse.

Our **EASTER PRICES** on **FANCY FERNS** is only $1.70 per 1000. Bronze or green **GALAX,** $1.00 per 1000. Leucothoe, $6.00 per 1000.

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A superb collection of fine commercial varieties labeled, $1.50 per 100. Cash with order.

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Is authority on rice culture and the agricultural interests of the Coast country. Of special interest to those who contemplate making a new home in the South. Tells what crops can be grown profitably and how to grow them. Full of interesting reading besides. Send for free sample copy.

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The American Carnation

How To Grow It

A Standard Work Written by Request of the Publishers of the Florists' Exchange.

By C. W. WARD

THE CARNATION in America has reached a status and importance in the florist's industry possessed by no other flower of modern times, and a practical work on the subject of the cultivation of the plant has become an urgent necessity. This want is fully and completely met in the present volume, which furnishes the results of years of actual experience of the author, who is recognized as being among the foremost of carnationists in America. The scope of the book will be gleaned from the subjoined table of contents:

History and Development of the Carnation—The Carnation in America—The Commercial Importance of the Carnation Industry—The American Carnation Society—Use of Carnations as a Decorative Flower—General Greenhouse Culture—Soils—Manure and Fertilizers—Propagation and Shipping of Young Stock—Treatment of Young Stock preparatory to Planting Out—Field Culture—Lifting and Planting Carnations from the Field—Treatment after Benching—Picking, Packing and Shipping Carnation Flowers—Insects and Preventives—Diseases and Injuries—Packing and Shipping Field-grown Plants—Forcing Houses for Carnations—Bench Construction—Sub-irrigation—Heating Carnation Houses—Carnations for Summer blooming—Bedding and Hardy Carnations—Carnations for Pot Culture—Raising Carnations from Seed—Cross breeding and Fertilizing—Varieties—Sports and Variations—The Ideal Carnation—Traits and Peculiarities—Various Classifications of the Carnation—List of Varieties for Different Localities—The Future of the Carnation—Its Commercial aspect and Prices—Who shall engage in Carnation Growing—Does it Pay to do things Well—Calendar of Operations—Carnations in California, Canada, in the West, the East, the South.

It will at once be seen that a work of this nature should be in the hands of every florist and others interested in the subject who desire to keep abreast of the times, and to make the growing of carnations, by the most modern methods, a profitable part of their business.

The Book is profusely illustrated by original engravings from life made specially for this work, with four colored plates. Handsomely printed from large, clear type on fine enameled paper. Quarto, cloth. Price, $3.50.

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WHITE—Kalb, Polly Rose, Ivory, J. H. Troy, Robinson, Jerome Jones.

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Also 30 varieties of Pompons, $1.25 per 100; $10.00 per 1000. Timothy Eaton, $1.50 per 100. Many other varieties in smaller lots.

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purchased the following, which must be removed before May 1st.

For immediate shipment we have:

1500 Hydrangea Otaksa, 5 and 6 in. pots, $5.00 per 100.

500 Wallflowers, 5 in. pots, bushy plants, $5.00 per 100.

500 Hardy Carnation, $3.00 per 100.

100 Lemon Plants, fruiting trees, 5 in. pots, 15 cts. each.

Rooted Cuttings, ready for delivery April 1.

CARNATIONS

5000 Mrs. Lawson, $2.25 per 100; $19.00 per 1000.
5000 Mrs. Bradt, $2.50 per 100; $23.00 per 1000.
10,000 The Marquis, $10.00 per 1000.
5000 Prosperity, $1.75 per 100, $15.00 per 1000.
3000 Nelson, $4.00 per 100; $35.00 per 1000.
1500 Governor Roosevelt, $2.25 per 100; $20.00 per 1000.
300 Adonis, $1.00 per doz.
1500 Mrs. Higginbotham, $4.00 per 100.

GERANIUM CUTTINGS, from soil: S. A. Nutt, A. Ricard, Castries, Poitevine, Gen. Grant, Castelaine, Viaud, Mme. Landry and Goslin, $11.00 per 1000. 5 per cent. discount on 2000 or over. 20 sets Geraniums, containing latest varieties, sold last year for $3.00 to $4.00 per set. Per set of 12, 75 cts.

1000 CHYRSANTHEMUMS—Bonnaffon, Polly Rose, pink and white Ivory, stock plants, $2.00 per 100; Timothy Eaton, **5 cts. each;** $3.50 per 100.

1800 Boxes Glass, 10x12, $2.50 per box.

One Guerney, 6 Section Hot Water Boiler, $55.00; one No. 6 Ericsson Hot Air Engine, $50.00.

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Send in your wants.

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Rooted Chrysanthemums

Soft and True to Name

Willowbrook, R. Halliday, Kate Broomhead, Chadwick, Goldmine, $2.00 per 100.

Timothy Eaton, Appleton, Ivory, Mrs Jones, Maud Dean, Yanama, Schrimpton and 20 more good kinds, $1.50 per 100.

Bonnaffon, $1.00 per 100, $9.00 per 1000.

1000 Cuttings, our selection, 10 to 20 kinds, fo $10.00; 500 for $6.00 cash.

We shall have, from April to July, large stock of 2 in. plants. When ready to plant write us, o we will book orders for delivery just when yo want them.

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Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, A. J. Balfour, $3.00 per doz.

Adrian, Kate Broomhead, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100; $25.00 per 1000.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

NEW ORCHID-FLOWERED DAHLIA 20th CENTURY

DAHLIAS

The Best Sell on Sight at Fancy Prices

> Philadelphia, September 18, 1902.
> **W. P. PEACOCK, Atco, N. J.**
> **Dear Sir:** The shipment of Dahlias which came in this afternoon was very fine indeed. We sold nearly all immediately upon arrival, and the 20th Century we sold at $4.00 per hundred.
> Yours very truly, SAMUEL S. PENNOCK.

Do Not Try to **Save Money by Buying Cheap Dahlias,** but **MAKE MONEY BY GETTING THE BEST**

Peacock's Orchid Flowered Single Dahlia

20th Century

is the best of them all. Strong field-grown roots, 35c. each, **$3.50** per doz., **$25.00** per 100. Strong plants, **25c.** each, **$2 50** per doz., **$18.00** per 100. Seed, **15c.** per packet; 7 packets for **$1.00.**

> Philadelphia, Pa., September 25, 1902.
> **W. P. PEACOCK, Atco, N. J.**
> **Dear Sir:** In to-morrow's, Friday afternoon, shipment we want at least one hundred Perle d'Or, the fluffy white Dahlia resembling a chrysanthemum; also three hundred (300) more to reach us Saturday afternoon sure. You might also let us have three hundred (300) Perle d'Or Saturday morning if possible.
> Please do not fail us on these, and also acknowledge receipt of these orders, and oblige, Yours very truly,
> S. S. PENNOCK.

Clifford W. Bruton Is still the best yellow Dahlia for decorative purposes. Immense flowers on 3-foot stems sell readily at $4.00 per 100, and in immense quantities at $30.00 per 1000. Our stock of this variety has been carefully selected for years and is double to the center. Propagation causes flowers to come semi-double, so we offer extra strong clumps only **$8.00** per 100.

Perle d'Or (Perle de la tete d'Or). Very large, fluffy white strong plants, only **$6.00** per 100; **$55.00** per 1000.

Henry Patrick Very large, pure white, decorative, fine form, long stems; roots, **$8.00;** plants **$6.00** per 100.

Storm King Best pure white Show Dahlia, early and profuse; strong plants, **$8.00** per 100.

Pink Dandy Best pure pink show Dahlia, a great improvement over A. D. Livoni, larger size, longer stem and better color. Strong plants, **25c.** each; **$2.50** per doz.; **$18.00** per 100.

Mrs. Roosevelt Of immense size, delicate shell-pink, a strong vigorous grower and free bloomer. A great improvement over Grand Duke Alexis. Strong plants, **30c.** each; **$3.00** per doz.

Red Hussar Richest crimson scarlet, the best bright red show Dahlia; large size, long stems, vigorous grower, profuse bloomer. Extra strong clumps, **15c.** each; **$1.50** per doz.; **$12.00** per 100. Extra strong plants, **10c.** each; **$1.00** per doz.; **$8.00** per 100.

Frank L. Bassett Large, bluish purple, extremely profuse bloomer. Roots, **25c.; $2.50** per doz. Plants, **20c.; $2 00** per doz.

Eureka Very large, deep rose-pink, profuse bloomer, full to center. Roots, **$2.50** per doz. Strong plants, **$2.00** per doz.; **$12.00** per 100.

> Grand Rapids, Mich., March 22, 1903.
> **W. P. PEACOCK, Atco, N. J.**
> **Dear Sir:** Please send enclosed order for Dahlias by express. No substitution. You are so reliable and stock true to name it is a pleasure to deal with you.
> EVELYN ARNOLD.

Complete Stock! All Classes! New and Old!

Send for Illustrated Descriptive Trade List Address

W. P. PEACOCK

DAHLIA SPECIALIST

Long Distance
Phone 8 Atco

ATCO, N. J.

NEW DECORATIVE EUREKA DEEP ROSE PINK

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted as watchman, or watchman and fireman, by reliable man, excellent references. Address Geo. Geiger, 234 East 53d St., New York.

POSITION wanted by competent German grower, single; 32 years' experience in all branches, to take charge. Address N. B., care Florists' Exchange.

SITUATION wanted on private place, orchids, palms, roses, carnations, violets, lawns; single; references; state wages. M. M., care Florists' Exchange.

YOUNG MAN, experienced in roses and carnations, and general greenhouse work, age 21, wishes position; best references; address James Stewart, Westport, Conn.

SITUATION wanted, life experience, growing roses, carnations, and all kinds of plants; state wages. Middle-aged, single, sober. Address N. F., care Florists' Exchange.

SITUATION wanted as working foreman, long years' experience in roses, carnations and chrysanthemums; best references. Address Florist, General Delivery, Watervliet, N. Y.

WANTED by April 1, position in A No. 1 cut flower store, by young man, 30 years of age; 10 years' experience, can furnish best of recommendations. M. J., care Florists' Exchange.

SITUATION wanted by all-around florist, as foreman, assistant or grower in carnations, chrysanthemums, and Spring stock; 29, single. State terms. M. J., 1517 Second Ave., New York.

GARDENER, German, 35, married, no children, 21 years' experience, competent in all branches, wants steady position or to take charge. Address Miller, P. O. Box 276, Dobbs Ferry, N. Y.

WANTED, position by a married man, German, as gardener or overseer on private place; $45 per month and free rent. Best references. Address J. M. M., 54 Clinton Ave., Bridgeport, Conn.

SITUATION wanted as foreman by sober, honest, industrious man, single, age 28, 10 years' experience; last six in carnations. Competent to handle help; best references. Address N. K., care Florists' Exchange.

SITUATION wanted by single man, 30 years old, 14 years' experience, first-class carnation grower and propagator; also chrysanthemums, violets and pot plants; good references. State wages. Address N. H., care Florists' Exchange.

SITUATION wanted by April 1 as gardener on private, or foreman on commercial, place, by a German, married; middle-aged. Practical life experience in all branches of the business; first-class references. Address C. Schmidt, 71 Lillie St., Newark, N. J.

SITUATION wanted as gardener and florist on gentleman's place, thoroughly experienced; speaks German and English; age 29; single; strictly sober and honest, good references. State salary. Address L. Pulasky, Locust St., So. Greenfield, Brooklyn, N. Y.

SEEDSMAN and florist, 18 years' experience, speaks four languages, wishes traveling position to sell seeds, bulbs, and plants. Also all around with importation of seeds, bulbs and plants from Europe. Only first-class firm. Address N. C., care Florists' Exchange.

SITUATION wanted by April 1, single man, 27 years old, German, 12 years' experience in roses, carnations and chrysanthemums. Can furnish best recommendations from present employer. Address Mr. Anton Gerdner, 1717 Gratiot St., Saginaw, Mich.

FIRST-CLASS rose grower, single, also grower of carnations, chrysanthemums, and general stock, well up in all branches, able to take charge, wants situation on commercial or private place, best references. Address S. H. Hauptmann, 807 Angelique St., West Hoboken, N. J.

SITUATION wanted by single man as foreman or take charge of section; 32 years old; 15 years' experience, good grower of carnations, chrysanthemums, violets, bedding plants, and Easter stock; good references from big commercial place; four years at the last place. State wages. Address E. Stubenrauch, 235 East 12th St., New York.

SITUATION wanted as working foreman; good grower and propagator, understands roses, palms, ericas, carnations, chrysanthemums, violets, asters, bedding plants, etc. Also all routine work, able to raise first-class stock; capable of taking full charge. Wholesale or retail. Handy with tools, sober and industrious; French, 45 years old, 29 years in America. Best reference. Address with wages, N. M., care Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED. Good gardener, married or single; no children. Apply to J. J. Foley, 226 Bowery, New York City.

SEEDSMEN.—Counter hands to wait on customers and fill orders. W. Elliott & Sons, 54 Dey St., New York.

WANTED, three single men experienced in growing roses and carnations. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED, day fireman who understands steam boilers and pipe fitting. Steady employment. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED—Good practical greenhouse hand to assist in working up bedding stock. $50 per month to man competent to take charge of 15,000 feet of glass. J. T. DeWitt, Bristol, Pa.

WANTED at once, man who has had experience in rose growing, cutting and re-potting; must come well recommended. Apply to Foreman, E. G. Asmus, Hudson Boulevard and Malone St., W. Hoboken, N. J.

WANTED—A MAN FOR GENERAL GREENHOUSE WORK; STEADY POSITION ALL THE YEAR; WAGES FROM $15 TO $18 PER MONTH AND BOARD. WRITE OR CALL ON LOUIS C. PILAT, OSSINING, N. Y.

WANTED immediately, industrious, trustworthy young man, capable of taking some responsibility, to grow carnations and general stock; permanent position. Must understand English. John Curwen, Glenhead, L. I., N. Y.

WANTED, night fireman for steam heating; must be a good, willing worker and have some experience in potting and planting; steady position the year round. State where last employed. Address Kennebec Greenhouses, Bath, Maine.

WANTED.—Young man in New York retail store, must be a good maker-up and decorator, and a first-class salesman; also a man who understands the care of conservatories and garden work. Call any evening between 6 and 7. T. J. Lang, 670 Sixth Ave., New York.

WANTED, a good man, single, who understands the growing of general greenhouse stock. A good place for a good man; age 25 to 30. Reply by letter at once, stating wages expected with board and lodgings; send reference. Address N. A., care Florists' Exchange.

WANTED—By April 1 or later, industrious, trustworthy and steady young man, capable of taking some responsibility, in commercial greenhouses, permanent position; wages $20 per month and board, besides free room, etc. Address Th. F. van der Meulen, Dunkirk, N. Y.

WANTED, greenhouse assistant with experience in watering, ventilating, potting, etc., cut flowers and plants. Retail commercial place; eastern New York. Wages $25.00 and board per month. Give references and state experience. Address M. G., care Florists' Exchange.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester, Mass.

WANTED, three growers, one for carnations, two for roses; one must be an American Beauty specialist. None but first-class men need apply; good wages; in the most up-to-date establishment in America. Dale Estate, Brampton, Ontario, Canada.

BUSINESS OPPORTUNITIES

FOR SALE on easy terms at Secaucus, N. J., 40 minutes from Hoboken Ferry; two desirable places for florists, plot 200 x 600 feet with large house, and carriage house, with stable. Plot adjoining 175 x 600 with house, carriage house and barn. Address J. N. Kip, 211 Greenwich Street, N. Y.

TO RENT—At Woodside, L. I., within three miles of 34th street ferry, my entire greenhouse plant consisting of about 17,000 feet of glass. All A 1, heated with seven Hitchings boilers. A visit for inspection will convince you it's a snap. Alex. S. Burns, Woodside, N. Y.

Clear Cypress Hot Bed Sash

3 ft. x 6 ft. x 1½ in. for three rows ten-inch glass. Iron Rod for strengthening; leaded joints, any quantity. Write for special prices.

C. W. LUMB & SON, Poughkeepsie, N.Y.

Mention the Florists' Exchange when writing.

For Sale or Exchange 50,000 Sen. Dunlap Strawberry plants, the best strawberry introduced in ten years; ten other varieties 50 cts. per 100; $3.00 per 1000. Want rooted cuttings or small potted Geraniums, Chrysanthemums, Pinks, Bedding Plants, Pansies or offers. **J. W. Crowell, 479 Garden St., Hartford, Ct.**

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE or to lease, six acres of land at Secaucus, N. J., suitable for florist; 30 minutes from all ferries; cars pass the place. Address Wm. H. Huber, Secaucus, N. J.

FOR SALE, well paying florist establishment at Grandview-on-Hudson, N. Y. Three greenhouses 20x130; seven acres land; nine-room residence; everything in fine condition. Address N. L., care Florists' Exchange.

FOR SALE.—Will sell cheap for cash, a plant of 18,000 feet of glass, in violet district on Hudson River; suitable for carnations or violets. Address K. V., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

CORNER of Bedford Ave., Brooklyn, established about 18 years, averages yearly about $3,000.00; rent $25.00, living apartments attached. Rare opportunity for the right party. Must sacrifice on account leaving city April 1. Stand any investigation. Address N. E., care Florists' Exchange.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

A Business Opportunity

20,000 feet of glass, well stocked and in good condition; also a city retail store with a well established, profitable trade, for sale at a bargain.

Owner would prefer to sell the houses and keep the store, taking, if desired, the output of the houses; or would sell an interest in the business to a competent, pushing grower.

This is an opportunity for a grower to establish himself near to one of the best markets in the country, or for a storeman and a grower to mutually acquire, on favorable terms, a desirable plant and a store with an established, profitable trade.

This is a proposition that will bear careful investigation. Address,

FRANK HUNTSMAN, Cincinnati, O.

Mention the Florists' Exchange when writing.

FOR SALE.

Established retail flower store in World's Fair City, fully equipped and doing a paying business. Fullest investigation invited, best of reasons for selling. Must be disposed of at once. Price moderate.

ROBERT F. TESSON,

ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

FOR SALE or EXCHANGE

1,500 large, field-grown **DAHLIAS**, mixed varieties, Nymphaea, Fire Ball, Yellow Queen, Maceo, etc., at $2.00 per 100 clumps. **CARNATIONS**, rooted cuttings, 2,000 Joost, 900 America, red, 300 Gen. Maceo, good stock, $1.50 per 100. **Will Exchange** for Nephrolepis Bostoniensis, Araucarias, Small Palms or Violets, rooted cuttings of Lady Campbell. Write

L. POPE & SON, Barnesboro, N. J.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED, florists' ice-box, new or second hand; address Florist, 252 West 23d St., New York.

WANTED to rent, plant with 20,000 to 30,000 feet of glass within twenty miles of Philadelphia. Address R., care Dumont & Co., 1305 Filbert St., Philadelphia, Pa.

WANTED.—To lease with the privilege to buy, a place of 10,000 to 15,000 feet of glass in good order, within 10 miles of New York, on Long Island preferred. Address N. J., care Florists' Exchange.

WANTED, to lease, by about May 1, 10,000 to 20,000 feet of glass in good condition, near New York City. Privilege of buying. State particulars, size, price, etc. Address N. D., care Florists' Exchange.

WANTED, to buy 3000 to 4000 ft. of glass with dwelling, not less than one acre land. State price and reason for selling, dimensions and lay of houses. H. Christensen, 250 Adams St., Brooklyn, N. Y.

WANTED, to lease four or five acres of ground for gardening purposes, or would like to rent small florist place with three or four greenhouses, frames, etc., near Newark or Orange. Address C. Schmidt, 71 Lillie St., Newark, N. J.

FOR SALE

FOR SALE, 180 seed boxes in good order, cheap, 29 feet long, 4 feet high. Jos. Simonson, Port Richmond, S. I., N. Y.

FOR SALE—35,000 second-hand flower pots for sale, from 3½ up to 6 inches; from $5.00 per 1,000 upward. Henry Ulrich, Woodside, L. I.

FOR SALE.—Boilers, one No. 17 Hitchings, and one No. 2 Harrell steam or hot water boiler, in good condition, at $50 each. Th. F. van der Meulen, Dunkirk, N. Y.

FOR SALE.—500 boxes, 16x24, second double greenhouse glass in small or entire lot, at special price. Also other regular sizes greenhouse glass at special figure. Address Glass, 350, care Florists' Exchange.

FOR SALE.—The following new greenhouse material: 3000 ft. new 2-in. black pipe at 10 cents per foot; 100 boxes 6x8 A double American glass, $2.75 per box; 100 boxes 16x18 B double American glass, $3.60 per box; 50 boxes 12x12 B single American glass, $2.40 per box; 100 cases (2 boxes in one) single, 6x8 glass, $4.50 per case. We furnish everything for erection. S. Jacobs & Sons, 1365 to 1373 Flushing Ave., Brooklyn, N. Y.

See our Advertisement on Page 384

MANHATTAN SUPPLY CO.

339 East 23d Street

NEW YORK

Mention the Florists' Exchange when writing.

CATALOGUE CUTS

Our new revised Catalogue, No. 6,

FLOWERS and PLANTS,

136 pages and cover, just off the press, a valuable collection for catalogue makers, will be mailed, postpaid, on receipt of 50 cents, which amount will be deducted from first order received for cuts.

A. T. De La Mare Ptg. & Pub. Co.

Limited.

P. O. Box 1697, New York.

Heating Problems.

(78) What number of 1½-inch pipe ill be required to heat a house 32 feet ide, back wall 4½ feet, front 4½ feet, vo of which is glass; 12 feet to ridge; ne end glass, the other attached to ned, with steam to 55 degrees, the utside temperature going down to 10 egrees sometimes? S. BROS.

—Use 12 to 14, according to the ex- osure and construction of the house. L. R. T.

(79) Which is the better plan to lopt with hot-water heating? Place ne boiler in pit six feet in ground, nder floor of potting shed. The flow pes rise to highest point over the iler, then run into greenhouse over- ad on purlin to farthest end, return- g on posts on the walls. This is the erhead system. Another way: Place e boiler in the same position; highest int over boiler; the flow pipes rise e foot above doorway, entering eenhouse, flows drop in the shed and n on the posts to farthest end, re- rning back on posts; that is, flows d returns on each side; also returns each side. This is open tank system. F. W. H.

—The higher the pipes above the iler the more rapid the circulation. owever, as the case is stated, the cir- lation with all of the pipes on the ll posts should be very satisfactory. ith raised benches it is desirable with ny crops to have the return pipes derneath for bottom heat. L. R. TAFT.

80) My heating plant does not work ht. My houses are 200 feet long, built t Summer; boiler pit, 6½ feet deep; e lowest return, 24 or more inches ove the water-line. A 2-inch flow goes the houses on posts under iron gut- , with about 8-inch fall; returns with ine of 1¼-inch pipe (two sets, one der each gutter), returning with out 15-inch fall to lower end of use; then dropping with swivel nts and air cocks to a 1¼-inch re- n (each coil of four 1¼-inch pipes) the boiler, where there are two 1¼ l two 1½-inch pipes entering the ler, with checks, to carry the con- nsation for the whole system. On north side I have a 1¼-inch flow ning back with four 1¼-inch returns, 200 feet. On the south side one 1¼- h flow and three 1¼-inch returns. rst had only a 3-inch main in boiler d, but replaced it with a 6-inch, ich works better. We have had no l weather to test it yet—want about legrees above. I do not think I have ugh flow through the houses; or uld it be better to cut the whole ng in half, making two 100-foot sec- ns with a 2-inch pipe for each 800 , bringing the return from the mid- of the house with a 1¼-inch return oiler? Are the returns large enough around? The area of those going the boiler is nearly as large as a ee-inch pipe. I was thinking of ing out of the coils two 1¼-inch e returns and making a flow for ne, instead of buying two-inch pipe. uld that make the system work? I nk my boiler is low enough, as there over two feet drop to water line. I have to put in more flow, or extra , and make it into 100-foot sec- s. At my old place the pipes worked right, but they were only 100 feet , boiler the same depth, but the ch flow only had 800 feet instead of feet. W. H. V.

The only trouble with the circula- seems to be that the flow pipes are small. The simplest way of cor- ing the difficulty will be to run ther two-inch flow pipe for each . Another way would be to use the sent flow pipe to feed a coil of four s, and then change two of the 1¼- returns, so that they can be used flow pipes, each supplying one re- . L. R. TAFT.

Philadelphia.

dfrey Aschmann has a very large rtment of Easter stock this year n, in the best of condition. He is icularly strong in azaleas and s, and the many testimonials he received are splendid evidence of quality of the goods he handles.

Got That New Boiler Yet?

If not, better write us to-day for valuable Catalogue of

FURMAN BOILERS

NOW HEATING OVER 20,000,000 FEET OF GLASS
OVER 20 000 BOILERS IN USE

Made in Sectional, Portable and Brick-set. Over 150 Styles and Sizes
Burns All Kinds of Fuel

RECEIVED HIGHEST AWARDS FIVE FLORISTS' CONVENTIONS

Let us send you our Catalogue and Special Florists' Prices
We can offer you a High-rate Interest-Paying Investment. Better write and let us explain how it's interesting. Do It Now

NEW YORK, 39 Cortlandt St.
BOSTON, 39 Oliver St.

Address: THE HERENDEEN MFG. CO., Dept. F, Geneva, N. Y.

Mention the Florists' Exchange when writing.

Firms Who Are Building.

IOWA FALLS, IA.—Miss Jennie Smith will build a greenhouse here.

GREEN BAY, WIS. Carl Meier is making an addition for cut flower growing.

BRAINTREE, MASS.—George H. Arnold will build a greenhouse, 30x175 feet.

CLOSTER, N. J.—It is reported that E. G. Asmus will build another greenhouse

PERU, IND.—J. W. Rentz & Son are building additions to their establishment.

CHAMPAIGN, ILL.—C. C. Ferdinandsen has completed a new greenhouse 75x30 feet.

PLAINFIELD, N. J.—Charles L. Stanley is erecting a new greenhouse. here.

MANCHESTER, MASS. — Robert C. Hooper is building another large greenhouse.

LEXINGTON, KY.—Honaker has just completed a greenhouse, 30x150 feet, to be devoted to carnations.

BAY CITY, MICH.—John Irvine & Sons are constructing new greenhouses at Ridge road and Green avenue.

WATERTOWN, WIS. L Lotz & Co have made several improvements at their plant. Instead of one building there are now four, one of them 18x126 feet, two 18x70 feet and another 18x35 feet. They are built after the best plans and are heated throughout by hot water under pressure.

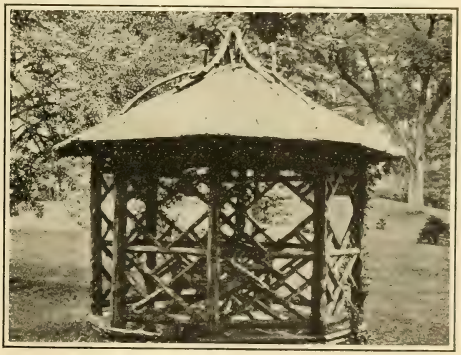
TO KILL ALL
Greenhouse Bugs
USE
"NICOTICIDE"

Clean and harmless as Fumigant or Spray.

To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

The Tobacco Warehousing and Trading Co.,
1004 Magnolia Ave., - Louisville, Ky.

Mention the Florists' Exchange when writing.



AN ARTISTIC SUMMER HOUSE
of Inexpensive Design

We Manufacture RUSTIC WORK of every description. LOG CABINS, SUMMER HOUSES, FENCES, GATEWAYS, BRIDGES, ARBORS, CHAIRS, ETC. Sketches, plans, estimates submitted. Work erected anywhere in U. S. Illustrated Catalogue on request. We carry a complete line of NURSERY STOCK, SEEDS, PLANTS, BULBS, FERTILIZERS and AGRICULTURAL IMPLEMENTS. "If it's used in Horticulture we have it."

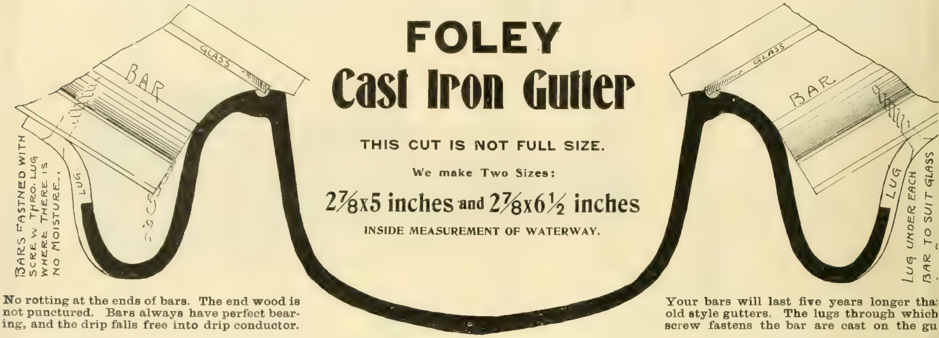
☞ SPECIAL DISCOUNT TO THE TRADE
Send for Catalogue and Discount.

DUNNE & CO., Office and Salesroom: 54 W. 30th St., New York

Mention the Florists' Exchange when writing.

IMPROVEMENT IS THE ORDER OF THE DAY

WE don't ride in ox wagons simply because others did 50 years ago. Now it is trolley cars, "Twentieth Century Limited" express trains, and soon will be air ships. So it is in greenhouse construction. You must be up-to-date or the other fellow will leave you behind as the trolley car leaves behind the ox team.


GLASS
BAR
LUG
BARS FASTNED WITH SCREW THRO. LUG WHERE THERE IS NO MOISTURE..
GLASS
BAR
LUG
LUG UNDER EACH BAR TO SUIT GLASS

FOLEY
Cast Iron Gutter

THIS CUT IS NOT FULL SIZE.

We make Two Sizes:

2⅞x5 inches and 2⅞x6½ inches

INSIDE MEASUREMENT OF WATERWAY.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer tha old style gutters. The lugs through which screw fastens the bar are cast on the gu

DID YOU EVER MEET FOLEY?

If not you surely have missed something.

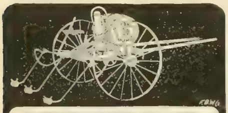
Write them for their new FREE ILLUSTRATED CATALOGUE of all kinds of Wood and Iron Specialties. You will find it in the 20th Century class.

GREENHOUSE MATERIAL.

Ask for Full Particula about the
NEW IRON GUTT

FOLEY MANUFACTURING COMPANY, 471 West 22d Street, Chicago, I

Mention the Florists' Exchange when writing.



MOUNTED POWER SPRAYER.

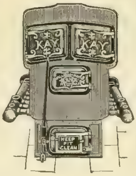
Because of its saving of labor and spraying material, its rapid and thorough work and its wide and varying uses, this is the most economical sprayer made. Pump and agitator driven by gearing from axle. Adjusts for wide or narrow rows, small or large plants. Velmorel nozzles, pump working parts of brass. Specially adapted to large acreages.

WE MAKE 20 KINDS OF SPRAYERS,
all styles for every purpose. Catalogue free.

THE DEMING COMPANY, Salem, Ohio.
Henion & Hubbell Western Agents, Chicago, Ill.

Mention the Florists' Exchange when writing.

WILLIAM H. KAY COMPANY
244 FULTON ST., NEW YORK



HEATING
BUILDING
Ventilating
BOILERS
(Triple Fire Travel)

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One at a time. 15 seconds pumping charges with enough air to run

The Auto-Spray

10 minutes and cover ½ acre. Perfectly Automatic, operator merely walks and directs nozzle. Spray from fine mist to solid stream. Any boy can work it. Brass working and contact parts make it perfect working and durable. For poultry houses, vines, trees, etc. Catalog F free. Shows the best line of all size, all purpose sprayers made. Write for agency.

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FOR Greenhouse G

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F.O.PIERCE
170 Fulton S
NEW YORK

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Tobacco Dust

This high-grade mixture, especially prepared for Florists' use, is for sale at all leading seed stores. 2 cts. per lb., sold by bag, ton or carload.

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Strong Tobacco Stems for Fumigating

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CYPRESS SASH BAR
ANY LENGTH UP TO 32 FT. OR LONG

THE A.T. Stearns Lumber (
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By MARK DEAN

DO YOU WANT TO KNOW

HOW
- To determine the area of any greenhouse?
- To tell the amount of radiation necessary to heat the same?
- To place the heating pipes to best advantage?
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DEAN'S SYSTEM OF GREENHOUSE HEATING is the name of a new book which will fill a long felt want, because it has tables all figured out giving the amount of radiation and number of pipes necessary for greenhouses of all sizes, formulae for obtaining different temperatures, radiation per lineal foot of pipes of various sizes or the number of feet of radiation in any number of feet of pipe, list prices of pipe, pipe fittings, etc., besides much other valuable information. Handsomely bound. By mail postpaid $2.00.

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700 Ft. Carnation Houses, Designed and Erected by Us for J. A. Budlong and Son Co., Auburn, R. I.

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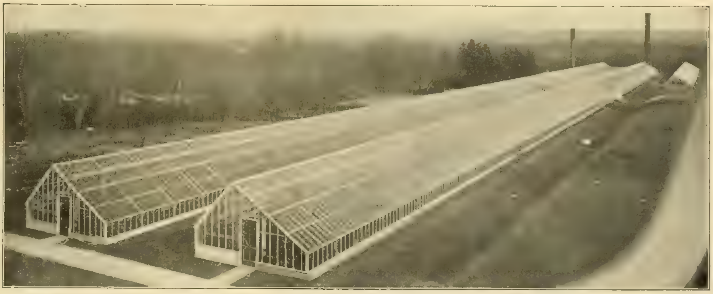

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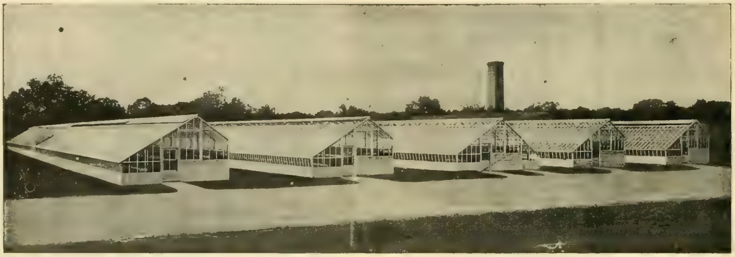

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 14 NEW YORK, APRIL 4, 1903 One Dollar Per Year

10,000 POTS OF

LILIUM LONGIFLORUM

FOR EASTER.

We have an exceptionally fine lot of these, and plants are in perfect condition, ith fine, healthy foliage, and A No. 1 in every respect, averaging from four to ght buds each. We are now booking orders for Easter delivery, or earlier at ie rate of

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In ordering please state whether plants in pots or cut lilies are wanted.

Customers at a distance wishing to procure a supply will find it safer to order rly, just before the flowers open, as plants can then be shipped cheaper and with reater safety. You will then have the plants on hand and avoid the rush at the st minute. A great many of our customers order in this way, and find it a decided lvantage. We can ship at any time now plants selected so that they will just come to bloom in nice shape the week before Easter.

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icus Elastica, Kentias, Boston Ferns, Araucarias, Large-sized Latania Borbonica, for Decorating, Etc., Etc.

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Send in Your Orders Early

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ASPARAGUS PLUMOSUS NANUS

Good, Heavy Strings

50c. EACH

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On Page 395 of This Number

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., Cor. Jane St., New York City

Telephone 4390 Spring

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants

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Ask for Special Trained Fruit Tree Circular.

ROSES $10.00 per 100; $80.00 per 1000. Low budded, two years old. Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild. These are the four best kinds for pot culture. We have a general assortment of other kinds.

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RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

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These are forced in large quantities in England and find ready sale. Colors, light yellow to dark orange.

Special selected plants, covered with flower buds, $3.50 per doz.; $25.00 per 100.

Extra large plants, $5 per doz.; $40 per 100.

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JAPAN MAPLES, 2 yrs old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

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Fruit Trees in all sizes. Ask for special Trained Fruit Tree List.

MAGNOLIA, Soulangeana, Lenner, Alexandriana, 2½-3 ft., each, $1.00; 3½-4 ft., each, $2.00; 4-5 ft. each, $3.00.

STANDARD HYDRANGEAS, per 100, $25.00.

JAPANESE SNOWBALLS, tree form, per doz., $6.00.

AZALEA MOLLIS, tree form, per doz., $9.00.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

AUCUBA JAPONICA,	12-15 in.	per doz.,	$2.50
	15-18 in.	"	3.50
" **VARIEGATA,**	18-24 in.	"	5.00

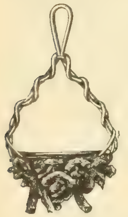
GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J.



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Fresh, Bright and New

10 inch Bowl, $1.00; per dozen, $10.00.
12 " " 1.15; " 12.00.
15 " " 1.50; " 15 00.

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Liberty Brand, ¾ in., 3-ply, in use by all florists and spoken of highly, including couplers, 25-ft. lengths, $2.60; 50-ft. lengths, $5.00.

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FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

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6 and 7 South Market St., Boston, Mass.

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Established 1802.

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For over a hundred years have been universally recognized as the standard of excellence.

We are now booking orders for

Lilium Harrisii
AND
Lilium Longiflorum

Send for our prices stating number and size required.

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Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

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First Quality

Strictly Fresh

LOWEST PRICES.

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The best in the market. Can be used 3 to 4 years, as they do not rot.

$6.00 per 1000, $27.50 for 5000.

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Just the stake for tying Hyacinths, Fuchsias and pot plants, 18 inches long.

Natural, $1.25 per 1000; Dyed Green, $1.75 per 100

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PHILADELPHIA.

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Choice Selected Strain.

WHITE,	LAVENDER,
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Trade Pkt., 25; Oz., $1.00.

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VENTURA-BY-THE SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed...	$0 40	$3 00
Cobæa Scandens....	30	2 50
Centaurea, Imperialis....	40	
" Marguerite, giant white	50	
" Chamelon, yellow....	60	
Heliotrope, choice mixed....	40	4 75
Farfugium Grande, seeds and plants sold out.		
Romneya Coulteri....	50	6 50
Geranium, "Good Venture," magnificent large flowers, grand mixed. ....Per pkt., 25c.	3 50	
Geranium, large fl., splendid mixed	2 00	
	100 seeds.	1000 seeds.
" double, splendid mixed....	$0 50	
Geranium, Apple-scented....		$0 75
Petunia, fringed, hybrida, choice mixed....		25
Petunia, new double fringed, choice mixed....		70
Phormium Tenax, var....		1 00
Coleus, choice mixed....		20
Cyperus alternifolius, $1.00 per oz.		

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SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

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25 leading varieties, all under name, gurrantee true, including the best sorts in cultivation, such a Clifford W. Bruton, A. D. Livoni, Nymphæa, Lemo Giant, Fern Leaf Beauty, Snow Clad, White Swan Frank Smith, etc. We offer **HEAVY FIEL CLUMPS JUST AS DUG. $5.00 per 100 $45.00 per 1000.**

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New Crop Flower Seeds

ASTERS. Comet, Empress Frederick dwar and compact, fine for pots, flowers pur white, diamer 4 to 5 inches. Pkt. 20 cts.; for 50 cts.

SEMPLE'S BRANCHING, home grown white, shell pink ahd lavender. ¼ oz. 3 cts.; oz. 75 cts

QUEEN OF MARKET, best German, in colors. ¼ oz. 25 cts.; oz. 75 cts.

LARGE VICTORIA, best German, in colors Pkt. 25 cts.; ¼ oz. 65 cts.; oz. $2.50.

Write for Wholesale Catalogue, now ready.

FRESH TOBACCO STEMS
$1.50 per Bale. Cash.

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Tuberose Bulbs

(EXCELSIOR PEARL)

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs, producing the shortest stalks with full heads of double flowers.

First Size, 4 to 6 in., 90 cts. per 100; $8.00 per 1000.

Special Size, 3½ to 4 in., blooming bulbs, 65 cts. per 100; $4.50 per 1000.

Regular, ¾ in., $3.50 per 1000; 5000 for $15.00.

F. O. B. New York. Add 50 cts. per 1000 if wanted shipped from Chicago.

CALADIUM ESCULENTUM
5-7 in., $2.50 per 100; $20.00 per 1000.
7-9 " 3.50 " 30.00 "
9-11 " 5.50 " 50.00 "
Sound Center Shoots. F. O. B. N. Y.

LILIUM AURATUM—
8-9, $0.75 per doz.; $5.00 per 100.
9.11, 1.00 " 7.00 "

LILIUM ALBUM—
8-9, $0.75 per doz.; $5.00 per 100.

LILIUM RUBRUM—
8-9, $0.75 per doz.; $5.00 per 100.

VAUGHAN'S SEED STORE
84-86 Randolph St., CHICAGO. **14 Barclay St., NEW YORK.**

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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

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DEUTZIA LEMOINEI

Heavy stock, $15.00 per 100.

AUCUBA JAPONICA, large plants....	per 100	$50 00
CLEMATIS JACKMANNI, extra fine, 3 years old....	"	30 00
FERN BALLS, just arrived, large size....	"	25 00
" " mammoth, with tin cups....	"	35 00
TUBEROSES, Excelsior Pearl, mammoth....	per 1000	7 50
" " 3 x 4....	"	3 00
CALADIUM ESCULENTUM, 7 x 9....	per 100	2 50
CANNAS, to name and color....	"	2 00
DAHLIAS, to name and color, field-grown clumps....	"	10 00
LILY OF THE VALLEY, the finest in the market; from ice house....	per 1000	15 00

TO ARRIVE IN THE NEAR FUTURE:

FRESH CYCAS REVOLUTA, only the long-leaved variety handled.
BAY TREES, standards, pyramids, all sizes.
BOX TREES, pyramids and standards.
CONIFERS (Evergreens) in many varieties.
RHODODENDRONS (hardy), pink, white, red and purple.
H. P. ROSES, in many of the leading varieties.
PALMS in all sizes and varieties.

Prices cheerfully given by

F. W. O. SCHMITZ, Prince Bay, N.Y.
IMPORTER AND EXPORTER

JAPANESE FERN BALLS TRUE LONG LEAVED VARIETY

Ready to start into growth. Large Size, 30c. each; 4 for $1.00; 25 for $5.50.

PRIZE GLADIOLI

loracroft Mixture—	Doz.	100	1000
1st size	20c.	$1.00	$9.00
2d size	15c.	80	7.00
renchleyensis, bright scarlet	15c.	.90	8.00
range and Yellow	35c.	2.50	24.00
nk Shades	20c.	1.25	12.00

SELECTED BULBS Grown by a well known specialist QUALITY UNSURPASSED

	Doz.	100	1000
White and Light	25c.	$1.75	$15.00
Striped and Variegated	30c.	2.25	20.00
Scarlet and Red Shades, mixed	20c.	.80	7.00
Groff's Hybrids, mixed	40c.	2.75	25.00
J. & S. Special Mixture	15c.	.75	6.50

BEGONIAS Tuberous Rooted

	Doz.	100
ngle, Separate Colors	30c.	$2.25
" Mixed, all colors	30c.	2.00
uble, Separate Colors	65c.	5.00
" Mixed (Extra Quality)	60c.	4.50

GLOXINIAS Crassifolia Erecta

	Doz.	100	1000
Fine Mixed	50c.	$3.00	$25.00
Extra Large, Mixed	65c.	4.00	35.50

OHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

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CATALOGUES RECEIVED.

THE LAKEVIEW ROSE GARDENS, mestown, N. Y. Wholesale Price List Easter Specialties in Plants and Flow- s.

JOHN PEED & SON, West Norwood, ondon, S. E. Catalogue of Stove and eenhouse Plants, Soft-wooded and neral Bedding Plants.

EACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

V. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

ention the Florists' Exchange when writing.

sparagus Plumosus Nanus Seed

The TRUE SORT, fresh crop, 85 cts. per 100; $7.00 per 1000.

CYCAS REVOLUTA STEMS

Long leaved, 10 lbs., $1.00, 100 lbs., $8.00. From 1 to 15 lbs. weight.

Other offers see advt. March 28th.

H. BERGER & CO., 47 Barclay St., N.Y. City

ention the Florists' Exchange when writing.

ARCISSUS AND DAFFODILS

For Forcing.

We have over 40 acres devoted entirely to the lture of these beautiful harbingers of Spring. rade only).

Before placing your orders write to

MAUGER & SONS, Guernsey, England

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ycas Stems

EW STOCK

ALL SIZES

rices: 100 LBS @ 8 / 200 LBS @ 7½ / 500 LBS @ 7

AUGHAN'S SEED STORE,

BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

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ASTER
COSMOS
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BEANS
CLOVER
GRASS
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SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

European Notes.

There has been quite a falling off in trade lately, owing, doubtless, to the continued wet and rough weather which has prevented any advancement of outdoor operations. No check has yet been put on the forward growth of all vegetable life, and one is deluged with reports on the unusual earliness of plants this season, early cabbages having been cut and put on the market many weeks in advance of ordinary years.

Hollanders are finding small shortages in most varieties of their bulb crops, but seem confident that prices will remain low except, perhaps, in the case of a few sorts of forcing tulips.

EUROPEAN SEEDS.

Western Sugar Corn Seed.

Editor Florists' Exchange:

Under the heading of "Sugar Corn Seed," in your issue of March 14, D. Landreth & Sons, of Philadelphia, take exception to an article that had previously appeared in the columns of your paper, questioning the truth as to the apparent great shortage of sugar corn seed this season. They claim that the article was "seriously misleading," and then indulge in a tirade against Western sugar corn seed, making the claim that "there is a great deal of Western sugar corn seed in the market being sold for pig food," and that it is unfit even for this purpose, "being mouldy," etc.

As the company I represent makes a special business of contracting to grow sugar corn seed to a quite large extent, and as there are others, also located here, engaged in the same business who occupy a high standing in the seed trade, I cannot but take exception to and resent the broad charges contained in the article written by the firm above named.

It would be a matter of gratification to all concerned if Messrs. Landreth would kindly confirm their charge, specifying the quantities of this "pig food" sugar corn seed that they claim has flooded the market, and make publicly known the growing stations from which same has been shipped this season.

While I have the profoundest respect for the venerable house of Landreth, and, under ordinary conditions, would accept their statements as "Gospel truth," in this case I must enter a protest against this indiscriminate and wholesale charge on their part against Western sugar corn seed.

It is an absolute fact that the little village of Waterloo, Neb., supplies the seed trade of the entire country, East as well as all other sections, with fully 75 per cent. of the entire world's product of this kind of seed. Furthermore, I will make the statement, which cannot be denied, that there has not been one single bushel of mouldy sugar corn seed contained in the entire several hundred carloads of this seed shipped from this locality this season.

While refuting the unwarranted charges made by Messrs. Landreth against the quality of Western sugar corn seed, it is amusing to the casual observer to note the contradictory element contained in their criticism.

They criticise the article previously referred to as "seriously misleading," yet with apparent "malice aforethought," and for reasons that are imperceptible, which in legal phraseology would be termed "immaterial, irrelevant, and incompetent," deliberately adopt the same manner of criticising the Western sugar corn seed they so vigorously denounced as "seriously misleading" in the article mentioned.

They criticise an article as being "seriously misleading," and in the very next paragraph make charges which cannot be substantiated, and which are even of a more "misleading character."

"Consistency thou art, indeed, a jewel!" "First cast out the log in thine own optic, before thou pluckest out the tiny sliver in thy neighbor's eye." And don't knock; every knock is a "boost," you know, and does not look well to the public as coming from one engaged in business in the City of Brotherly Love.

FRANK T. EMERSON.

Waterloo, Neb.

ELIZABETH NURSERY CO.

(See our Advertisement on next page.)

CYCAS STEMS

Ready Now. Fresh Importation.

15c. per lb.; $2.50 per 25 lbs.; $9.00 per 100 lbs. (50 lbs. and over at 100 lb. rates.)

Send for our special list of

Seeds, Bulbs and Plants.

HENRY F. MICHELL

Seed Growers and Importers,

1018 Market St. Philadelphia

Mention the Florists' Exchange when writing.

20,000 DAHLIAS

Strong whole field-grown roots, [illegible] $4.00 per 100; $35.00 per 1000, [illegible] Mixed [illegible] yellow $1.50 per 100, $10.00 per 1000. [illegible] per 100, $35.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON,

Purcellville, Va.

Mention the Florists' Exchange when writing.

THINGS YOU NEED!

	Per 100
10,000 Coreopsis clumps	$4.00
10,000 Helianthus Maximiliana, strong divisions	2.50
10,000 Achillea Millefolium Roseum strong clumps	3.00
Delphinium Formosum, strong 1 year	6.00
Gaillardia Grandiflora, strong clumps	6.00
Lychnis Chalcedonica, clumps	5.00
Pardanthus clumps	4.00
Rudbeckia, strong divisions	2.50
Santolina, strong, from flats	3.00
Digitalis, Moss Rose, large clumps	5.00
Achillea, The Pearl, divisions	2.50
Chrysanthemum, Maximum Triumph, strong divisions	5.00

Cash with order, please.

W. C. EISELE, West End, N. J.

Mention the Florists' Exchange when writing.

Robusta Canna

EXTRA STRONG DORMANT ROOTS.

$2.00 per 100; $15.00 per 1000.

See our other ads. in this issue.

R. VINCENT, Jr., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

CABBAGE and TOMATO PLANTS

Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.

Tomato L. Bentz, fine plants, $1.00 per 1000; 5000 for $4.00.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

ENGLISH IVY. From 4 to 5 feet high, fine bushy plants in 4 inch pots, per 100, $12.00; per 1000, $110.00. **PANSIES** in full bloom for Easter, per 1000, $30.00. Pansy Seed, genuine Mme. Perret, per trade pkt. 50 cents, oz. $5.00.

P. WENK, Clinton Ave.,
Ozone Park, L. I., N. Y.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain.

Mention the Florists' Exchange when writing.

SEED SWEET POTATOES

Clean healthy seed of **YELLOW NANSEMOND, BIG STEM, JERSEY** and other varieties, [illegible] lbs., $1.50, ½ bbl. $2.[illegible] bbl. $4.00.

H. AUSTIN, Felton, Del.

Mention the Florists' Exchange when writing.

VE ARE NOW BOOKING ORDERS

FOR

CALLA BULBS

For 1st of August Delivery.

alifornia Carnation Co., Loomis, Cal.

Mention the Florists' Exchange when writing.

H. DEN OUDEN & SON

NURSERYMEN

Boskoop, Holland

beg to announce that their

Wholesale Catalogue

of Ornamental Trees, Plants, Shrubs, Conifers, Hardy Azaleas, Rhododendrons, Roses, Clematis, Box Trees, Peonies, etc., has been mailed to the trade. A copy will be sent on inquiry to those who may not have received it.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

SPECIMEN CONIFERS

	Each
ABIES Alcockiana, 3 to 4 ft	$2 50
Fraseri, 4 to 5 ft	3 00
Concolor, 2½ to 3½ ft	1 75
Pendula, 3 to 4 ft	1 75
Normanniana, 3½ to 4 ft	2 50
Orientalis, 3 to 4 ft.	3 00
PINUS Mughus, 2 to 2½	75
RETINOSPORA obtusa, 2 to 3 ft.	1 25
Obtusa nana aurea, 2 to 3 ft.	1 25
Pisifera, 3 to 4 ft	1 25
Pisifera aurea, 3 to 4 ft	1 50
TAXUS Baccata, 2 to 2½ ft	1 00
Hibernica, 2 to 2½ ft.	1 00
THUYA Geo. Peabody, 2½ to 3 ft	1 75
Geo. Peabody, 3 to 3½ ft	3 00
" " 4 ft.	5 00
SCIADOPITYS verticillata, 2 to 3 ft	1 50
Verticillata, 3 to 4 ft.	3 50

	Each
SCIADOPITYS verticillata, 4 to 5 ft.	$7 50
Verticillata, 6 ft	10 00
KOSTER'S BLUE SPRUCE, 4 ft	7 50
BUXUS Bushes, 12 to 18 ins	25
18 to 24 ins.	50
2 ft.	75
3 ft	1 00
PYRAMIDS, 3 ft., slender.	75
3 ft., fine	1 25
4 ft., fine	3 50
DWARF BOX, for Edging:	
2 to 4 ins	$2.50 per 100
4 to 5 ins	3.50 "
Small, for transplanting.	1.50 "
AMERICAN ARBOR VITÆ	
3 ft., fine.	10.00 "

1000 RHODODENDRONS. Ask for prices.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

COLORADO BLUE SPRUCE

Exquisite in form and Color. Transplanted.

Bluest specimens, 3 to 4 feet..........$2.00 each
" " 2 to 3 " .... 1.00 "

Green specimens, 3 to 4 feet..........40 cts. each
" " 2 to 3 " ....25 cts. "

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing

EVERGREENS

As grown at Glenwood.
The best in the United States.

The Glenwood Nurseries

offer the finest **TREES**, both

EVERGREEN and DECIDUOUS,
FLOWERING SHRUBS and VINES

of all sizes in general assortment.

New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

Fine, bushy plants, 12-18 in. tall

$1.50 per 100
$12.00 per 1000

Jackson & Perkins Co.
NEWARK NEW YORK

Mention the Florists' Exchange when writing.

HOLLAND NURSERY STOCK

ENDTZ, VAN NES & CO.,
Boskoop, Holland

Beg to announce to the Trade that their Mr. Endtz will be in the United States from March 17 until May 6. Please address all communications care of

Messrs. MALTUS & WARE
136 Water Street, New York.

Mention the Florists' Exchange when writing

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots..........$20 00 per 100
15-18 in., " " " .... 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots........$20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots.......$20 00 per 100
18-24 in., " " " .... 30 00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each.

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in. pots ......$8.00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in..................................$20.00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs., 3-in. pots...........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots.......................$15.00 per 100
(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts...$15.00 per 1000
(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta Ga.
(Established in 1856.)

Mention the Florists' Exchange when writing

To Dealers

We have a surplus of **ARBOR VITÆ**, 6 ft., three times transplanted. Also a few thousand **PEACH**, first-class stock, mostly Elbertas and Crawfords. Will be sold low.

COMSTOCK & LYON, Norwalk, Conn.

Mention the Florists' Exchange when writing.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.

150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.

1500 PEONY FRAGRANCE, $75. per 1000

CHARLES LENKER, FREEPORT, L. I., N. Y.

Mention the Florists' Exchange when writing.

DEATH OF S. CRANE, FORMER OWNER.

Forced Sale of NURSERY STOCK

Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.

NORWICH NURSERIES,
O. E. RYTHER, Propr. **NORWICH, CONN.**
E. G.—Norway Maples, 12 ft., $25.00 per 100.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company
Continental Nurseries, **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

Strawberries

Forty varieties. from $1.00 to $2.50 per 1000.

ASPARAGUS Strong one-year, 50c. per 100; $2.00 per 1000. Two-year, 75c. per 100; $3.00 per 1000. Varieties—Palmetto, Barr's and Giant Argentina.

Also other Small Fruits, Plants, etc.

Send for Price List.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.

Wistaria, Chinese, blue, 1 yr. $2.00 per 100; $15.00 per 1000, 2 yrs. $4.00 per 100; $25 00 per 1000.

Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000, 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.

Yucca Filamentosa, 1 yr., $1 00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100; $12.00 per 1000.

Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.

Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.

Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2 in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	5 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum**, dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia**, dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00

Pansies, strong plants, fine strain, $2.50 per 100, $20.00 per 1000.

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

There are at the present time about 422 acres of growing nursery stock in Connecticut. Fruit stocks and hardy ornamental plants are included.

THREE RIVERS, MICH.—R. M. Kellogg Plant Company is the name of the new firm to succeed Mr. Kellogg in the nursery business.

ATLANTA, GA.—At the meeting of the State Board of Entomology, held March 19, in Macon, P. J. Berckmans, president of the State Horticultural Society, was offered the position of assistant State entomologist to succeed Professor W. F. Fiske, resigned. Mr. Berckmans has not accepted the position as yet, but probably will.

EVERGREEN SEEDLINGS. — The Board of General Appraisers at New York rule that evergreen seedlings are properly dutiable at the rate of $1.00 per thousand and 15 per cent. ad valorem, under the provisions of paragraph 252, act of July 24, 1897; adding "a seedling is germinated from seed, as distinguished from a plant propagated from a stock or cutting, irrespective of whether or not it has been transplanted." The contention of the importers, in brief, was that a tree propagated from a seed, after having been transplanted, ceases to be a seedling and becomes a tree; and that the term "evergreen seedling," as used in the tariff act, for that reason is applicable only to those seedlings which have not been transplanted and which remain in the locus of germination. On this subject there exists in the trade quite a difference of opinion. Among the evidence submitted to the appraisers was a letter from F. E. Olmstead, acting chief of the Bureau of Forestry of the United States Department of Agriculture, Washington, D. C., in which it is stated:

"I do not know of any acknowledged classification of seed bed and nursery evergreen stock. My opinion and practice in the matter are as follows: One, two, and three-year-old plants in the seed bed are seedlings; one, two, and three-year-old stock transplanted from seed bed to nursery rows are transplanted seedlings up to four years; nursery stock older than four years, transplanted any number of times in the nursery, are nursery trees."

The appraisers hold that there is no uniform and general commercial usage which changes the designation of a seedling which has been transplanted from that of a seeding to that of a tree.

Horticultural Notes.

Teas' Japan catalpa is a handsome sort, flowering profusely when but a small bush. All catalpas are worthy of prominent places on lawns. The smaller growing ones display their flowers better than those of larger growth. Even the common one of the Middle States, C. bignonioides, because of its spreading, rounded growth, is a favorite park tree.

Fuchsias rooted now and grown on indoors until the weather is warm enough to plant them out, flower all Summer long if placed in the shade. Near some building, say on the eastern side, where but an hour or two of sunshine reaches them, is just the situation they desire.

In many places planting should be well started by now. Get in very early the Japanese snowball, the larch, Pyrus japonica, bush honeysuckles, and other shrubs and trees known to push early. Weeping willow is another to add to the list, as is the lilac.

The Winter season now closing has proved again the value of trees and shrubs with ornamented twigs. Particularly beautiful has been the Fraxinus aurea, the golden-barked ash. As with all this class, the more vigorous the growth the deeper the color of the bark; hence the hint to prune the branches closely in Spring to get strong shoots.

The dwarf mountain pine, Pinus Mugho, is the very thing to plant where a spreading evergreen of upright character is required. It fits a place hardly any other evergreen could fill. Some botanists incline to think this pine is but a variety of the Scotch. It is sure that a bed of seedlings of it will often give more than one plant apparently a true Scotch.

A correspondent asks me if the Araucaria imbricata will live out in Virginia. I think not. In Europe it endures 20 degrees of frost uninjured, but there it does not get the bright sun in Winter it would have here. Just how far North one may be growing I do not know.

Crataegus Pyracantha.

Along with the several species of cotoneasters, the C. pyracantha is a favorite evergreen, half-climbing shrub, much used in the planting of low walls in Europe. Though it is quite hardy in the vicinity of New York, it is rare to find it in collections, and still more so to find it used as it is in Europe, for the covering of low walls. That it will do well here, I would mention that a short time ago I saw a beautiful specimen trained to the wall of a dwelling. It was about four feet in height, well branched, and covered with its bunches of orange-colored berries.

Referring to cotoneasters, there are many species of these that succeed well here, and their pretty evergreen leaves, as well as their red berries, make them valuable.

Both the Cratægus pyracantha and the cotoneaster may be raised from hard or soft wood cuttings, or by layering. Though slow rooting, they are fairly sure to grow, with ordinary care afforded them.

Transplanting Evergreens.

It is not uncommon to find in print the advice to defer the planting of evergreens in Spring until growth is about starting. Those who plant largely, and plant for profit, do not so advise. Nurserymen have to look closely to that which will bring them the best returns, and we find these men planting their evergreens in Spring as soon as they can get them into the ground. It has occurred to me that the idea that late planting is better than early may have originated because of the fact that almost all evergreens push later in Spring than deciduous trees. Hence planters who have much work to do are apt to take in hand deciduous material first, and evergreens later. In this way persons observing the late planting of evergreens may have assumed it was the best time for them. It is very sure that an early planting of evergreens will bring better results than later work would. When deferred until the buds are starting, the heat of Spring is not far off. The plants are not settled in their new positions and are not nearly in as good condition to meet the heat, with probable dryness, that they would have been if planted a month earlier.

I am writing this March 25, and could point now, to anyone in this vicinity, to whole blocks of pines, Arbor vitæs and miscellaneous evergreens, the planting of which has been completed two weeks ago; and planting of the same class of stock is still going on. These will thrive very much better than if deferred till later; for the buds are yet entirely dormant. A great deal more care is required to win success with evergreens when they have commenced to grow.

Evergreens shipped a distance, whether early in the season or late, rarely thrive as well as deciduous ones under the same conditions. They cannot "put up" with as much roughness as the other class, and when out of the ground a good while, full success with them is hardly attained. When of a class having fibrous roots and a ball can be secured with them, it is a different matter. The nurseryman who takes extra care in shipping evergreens will find it to his profit.

Many foreign houses who ship here have found the value of the ball of earth, and take great pains to secure it to each plant. As ocean freight is by bulk, and not by weight, the ball adds but little to the cost; and the shipper and receiver are both benefited by it.

JOSEPH MEEHAN.

SPECIMEN PLANTS OF

CALIFORNIA PRIVET

Several thousand large, well furnished plants, for grouping and massing, from 4 to 7 feet high. They have been grown with ample space and have been headed back a number of times; hence are dense and well formed in brief they were grown especially for the uses indicated. Also California Privet grown in standard form and globe form by the dozen and hundred Prices of all upon application.

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

SAGO PALMS

10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1.50 each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-grown clumps, $5.00 per 100

Asparagus Sprengerii, seedlings from flats, 80c. per 100 postpaid; plants from 3-inch pots, good stuff, $1.75 per 100, f. o. b.

Crinums, Amaryllis, etc., in large stock. Send for List.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, unsurpassed quality. Fine bushy plants, in bloom, $1.00 per 100; $8.00 per 1000.

Good stocky plants, coming in bud, $3.00 per 1000.

Bellis (Daisies). Largest double red and white, fine plants, in bud, $2.00 per 1000. (500 at 1000 rate.)

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,

JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

75,000 CHOICE PERENNIAL PHLOX 75,000

ONE OF OUR LEADING SPECIALTIES

Strictly first-class varieties, distinct and decided colors; strong, field-grown plants that were cut back and potted up into three-inch pots late in the fall, with from 3 to 6 eyes, that will make a better display of flowers than plants dug from the field; this stock must not be confounded with small winter propagated plants, such as are usually sent out.

Athis, deep pink, overlaid salmon, crimson eye.
Andreas Hoffer, a fine early white.
Aquillon, carmine rose, shaded salmon, crimson eye.
Bridesmaid, pure white with large crimson eye.
Beranger, white, suffused pink, crimson eye.
Blanc Nain, large dwarf white.
Bouquet Fleur, white, with deep rose eye.
Crystal Palace, white, with lilac markings and center.
Cross of Honor, magenta, bordered white, in the form of a Maltese cross.
Cyclon, white, suffused rosy lilac, dark rose eye.
Champs Elysee, fine rich purplish crimson
Duguesclin, white with dark crimson center
Eclaireur, purplish crimson, very bright, with light halo.
Esclarmonde, lilac suffused white, deep rose-colored eye
Etoile du Nord, purplish crimson.
Eugene Danzenvillier, lilac with white edge and center.
Faust, pure white with cherry-red eye.
Henry Murger, white with bright rose eye.
Jeanne D'Arc, a fine late white.
Jules Finger, tender rose with deep rose eye.
Lilipot, bright magenta with crimson eye.
La Fondre, deep purplish crimson.
La Nuit, deep purplish crimson.
La Vague, soft rosy pink with red eye
Lothair, salmon-red with carmine eye.
Mlle. Marie Kuppenheim, a good dwarf, pure white.
M. Marey, salmon rose with deeper center.
Marquis de St. Paul, deep rose, overlaid salmon.
Michael Cervantes, pure white with bright red eye.
Mrs. Dora Umgeller, rich deep rose, a strong variety.
Moliere, salmon rose, deep rose eye.
Nettie Stewart, pure white, occasionally marked rose.
Ornament, rosy magenta with crimson eye
Professor Schlieman, salmon rose with carmine eye
Peach Blow, delicate pink with white markings.
Pantheon, fine deep salmon rose, free and effective.
Pacha, deep rose with bright eye.
P. Bonnetin, magenta overlaid salmon.
Robert Werner, tender rose with deep rose eye.
Semiramis, purplish magenta.
Simplon, white suffused lilac, dark rose center.
Sylphide, light rose and white, with deep center.
Schlossgartner Reichenau, bright rose, dwarf and free.
Sunshine, salmon pink with deep red eye.
Thebaide, dwarf salmon red with crimson eye.
Wm. Muhle, salmon pink with dark crimson eye.
Zouave, largest purplish crimson, red eye.

Any of the above varieties, 75c. per doz.; $6.00 per 100; $50 per 1000

THREE CHOICE RED PHLOX VARIETIES THAT ARE ALWAYS SCARCE

COQUELICOT, a fine pure scarlet with deep carmine eye
JOCELYN, bright salmon red, very brilliant
MATADOR, Bright orange scarlet, cherry-red eye
$1.00 per doz.; $8.00 per 100

For anything that you may require in the line of **HARDY PERENNIALS** refer to our Wholesale List, which is mailed free to the trade.

HENRY A. DREER, Philadelphia

714 CHESTNUT STREET.

Seasonable Stock

Acalypha Bicolor Compacta (New), 25c. each; $2.50 per doz.

	Per 100
Adlumia, Cirrhosa, 2¼-in. pots	$3.00
Anemone Japonica, Alba, Elegantissima, Lady Ardilaun, Queen Charlotte, Rosea Superba, 2¼-in. pots	5.00
Strong field grown	10.00
Arundo Donax Var., strong divisions	15.00
Macrophylla Glauca, strong divisions	15.00
Asparagus Sprengeri, 4 in. pots	6.00
Begonia, Manicata, Aurea, 2½-in. pots	8.00
Rex, 2½-in. pots	5.00
Gloire de Lorraine (June delivery)	15.00
Boltonia, Latisquama, strong divisions	5.00
Campanula, Pyramidalis, 2½-in. pots	3.00

CARNATIONS

A Complete List of Novelties and Standard Varieties. Prices on application.

CHRYSANTHEMUMS

Our collection is unsurpassed in this country, containing all the desirable American and Foreign Novelties, as well as all the best exhibition and commercial sorts. Descriptions and prices on application.

	Per 100
Maximum Triumph, 2¼-in. pots	$3.00

Carex, Japonica Var., 2¼-in pots	3.00
Coreopsis Lanceolata, 2½-in. pots	2.50
Strong clumps	5.00
Crimson Rambler Roses, 3 ft. extra strong	12.00
Delphinium, Queen of Blues (Dwarf), strong clumps	6.00
Digitalis, Gloxiniaflora, 2½-in pots	3.00
Erianthus, Ravennae, strong divisions	6.00
Eulalia, Gracillima, Japonica Var. and Zebrina, strong divisions	6.00
Eupatorium, Ageratoides (Hardy Ageratum), strong clumps	5.00
Gaillardia, Grandiflora, 2½ in. pots	2.50
Strong clumps	5.00
Geranium, Mme. Salleroi, 2¼ in. pots	2.50
Helianthus, Maximiliana, Miss Mellish, Mollis, Multiflorus Plenus, Multiflora Maximus, Orgyalis, Rigidus and Tomentosus, 2¼-in. pots	3.00
Multiflorus Grandi-Plenus (Soleil d'Or), 2¼ pots	3.00
Clumps	6.00
Honeysuckle, Halleana, strong field grown	5.00
Isolepis, Gracilis, 2¼-in. pots	3.00
Matricaria (Little Gem), 2¼ in. pots	2.50
Monarda, Didyma and Fistulosa Alba, strong divisions	4.00
Moonflower, 2¼-in. pots	3.00
Oriental Poppy, 2½-in. pots	3.00
Pelargoniums, large list of varieties. Strong plants from 2½ in pots, according to variety, $6.00 to	15.00
Phalaris. Arundinacea Var., 2¼ in. pots	2.50
Arundinacea Var., strong divisions	5.00
Pyrethrum, Hybridum, 2½-in. pots	3.00
Strong clumps	6.00
Rudbeckia, Golden Glow, 2½-in. pots	2.50
Golden Glow, strong divisions	5.00
Newmann, 2½ in. pots	3.00
Strong divisions	6.00
Purpurea, strong clumps	8.00
Salvia, Splendens, Bonfire, Gigantea Glory of Stuttgart, 2¼-in. pots	3.00
Splendens, Triumph (New)	5.00
Sedum, Spectabilis, 2¼-in pots	4.00
Shasta Daisy, strong plants	10.00
Smilax, 2½ in pots, strong	2.50
Sweet William (Best English Strain), field-grown	5.00
2½-in. pots	2.50
Tritoma, Pfitzerii, strong divisions	10.00
Valeriana, Officinalis (Garden Heliotrope), strong divisions	5.00
Violets, Princess of Wales, from soil	2.50
Lady Campbell, from soil	2.50

Nathan Smith & Son
ADRIAN, MICH.

Mention the Florists' Exchange when writing

CYCLAMEN Best strain, once transplanted.

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

PLANTS and ROOTED CUTTINGS

	100
Petunias, Dreer's strain, 2½ in. pots	$2.00
Geraniums, 2½ in. pots, S. A. Nutt, La Favorite, Mme Thibaut, all double; Bruant, semi double	2.00
Other good varieties, red, pink and light, fine collection, same size and price.	
Heliotrope, Queen of Violets and Chieftain, 2½ in. pots	2.00
Fuchsias, Elm City and Storm King, 2½ in	2.50
Ageratum, dwarf blue, 2½ in. pots	2.00
Rooted Cuttings, Gen. Bruant and John Loyd, fine, semi-double, red; S. A. Nutt, Mme. Thibaut, double	1.25
Heliotrope, 3 varieties	1.00
Cuphea, Cigar Plant	.50

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

The Princess of Wales Violet

Violet growers cannot afford to to be without this grand and popular variety. Growers in the vicinity of Boston know that this Violet is rapidly and surely becoming more popular and sells for higher prices than any other variety, either double or single, growers in other sections have a great opportunity for taking up and growing this variety.

I have the largest and healthiest stock in the country and am booking orders NOW for strong young plants for April and May delivery, at $2.00 per hundred; $15.00 per thousand. 500 at thousand rates.

WILLIAM SIM, Cliftondale, Mass.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

2000 Mme. Crozy, 2000 Chas. Henderson **Cannas,** fine stock, $40.00 for the lot.

5000 Citrus Trifoliata Seedlings, 8-15 inches, $5.00 per 1000.

10,000 California Privet, nice, stocky plants, 15-36 inches, $8.00 per 1000.

F. O. B. Jacksonville. The Privet delivered in New York City for $9.00 per 1000.

MILLS, THE FLORIST
Jacksonville, Fla.

Mention the Florists' Exchange when writing.

FOR EASTER BABY PRIMROSES

Primula Forbesii

Out of 4-inch pots, in full bloom, $1.00 per doz.; $8.00 per 100; $75.00 per 1000.

Out of 3 inch pots, in full bloom, 75 cts. per doz.; $5.00 per 100.

CUT BLOOMS

75c. cts. per 100; $5.00 per 1000.

GERANIUMS

4-inch pots in bloom. Mostly double. **Jean Viaud, Bruanti, Mrs. E. G. Hill, etc.** $1.00 per dozen; $8.00 per 100.

	Per 100
Tiger, out of 2-inch pots	$10.00
" unrooted cuttings	5.00
Mrs. Lawson	2.00
Mrs. Lawson, Flora Hill, unrooted cuttings	.75

Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CANNAS

Our Stock is true to name, extra selected, 2, 3, 4 eyed roots

	100		100
Alphonse Bouvier	$2.00	Italia	$2.50
Austria	1.50	John White	2.00
Allemania	3.00	Mme. Crozy	1.50
Alba rosea	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty, new	8.00	President Cleveland	2.00
Coronet	1.50	Robusta, bronze leaf	2.00
Comte de Bouchard	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture, 1000	
Egandale, red leaf	3.00	$10.00	1.00
Florence Vaughan	2.50		

DAHLIAS

Field grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O.,
BALTIMORE, MD.

Mention the Florists' Exchange when writing.

DEAN'S

System of Greenhouse Heating

PRICE, $2.00.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

COLEUS, Verschaffeltii and Golden Bedder, 75 cts. per 100; $6.00 per 1000

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.
IVORY, LIBERTY. $18.00 per 100.

Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbenas, new mammoth	$0 40	$3 00
Asters, Early Market	35	2 50
Candytuft, and **Alyssum,** Gem	30	2 00
Daisies and **Pansies**	40	2 50
Phlox, Star and Compacta	40	3 00
Fuchsias, out of 2½ in. pots fine	2 50	
Sweet William, large field clumps	4 00	

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premier, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. — **Bride, Bridesmaid, Golden Gate,** $12.00 per 100. **Liberty,** $15.00 per 100.

From 2¼ in. pots.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastellier, Mrs. E McArthur, M. Wanamaker, Mrs. T L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand Morel, Xeno, $2 00 per 100, $17 00 per 1000. Cullingfordii, H. W. Reiman, Ivory, J. H. Woodford, J. E Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Bergman, Nivens, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100, $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

A SPLENDID LOT

	100
Of **DOUBLE** and **SINGLE PETUNIAS,** in 3 in. pots, in bud. Will make fine plants for early selling	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high; 3 in.	5 00
HELIOTROPE, 15 vars., R. C.	1 00
GAZANIA, Splendens, R. C.	1 50
SALVIA, 6 vars., R. C.	1 00
CUPHEA, Cigar Plant	75
AGERATUM, 5 vars	75
MOON VINES, Smith's Hybrid Seedling	2 00
PILEA MUSCOSA	1 00
SWAINSONA GALE, alba and rosea	1 25
COBÆA SCANDENS, 2½ in	2 50

The Following Ready April 15:

PETUNIAS, Ruffled Giants, 2 in	2 50
SHASTA DAISY, 2 in	3 00
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C. P., Speciosa and Compacta, 2 in.	2 00
VERBENAS, Michell's Giant, 2 in	1 50
SALVIA, Clara Bedman, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

BIG LIST OF SPECIALS

	Per 100
Geraniums, fine stock, 2 in	$2 00
Petunias, double fringed, 2 in.	2 00
" Harvard's Star, 2 in	3 00
Tradescantia, green and var., 2 in	1 00
Chrysanthemums, 10 sorts, labeled, 2 in.	2 00
Selaginella Denticulata (Moss Fern), all right for Easter, strong, 2 in	2 00

Also Verbenas, Asters, Sweet Alyssum, Scarlet Sage, Celosias, Feverfew, Lobelia and all kinds of Spring stock.

Write us. We can save you money.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2.00 per 100; $18.00 per 1000. My selection, $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

Geraniums. Double Gen. Grant, Bruanti, Alphonse Ricard, Mme. Thibaut, Beaute Poitevine, Frances Perkins, S. A. Nutt, La Favorite, L. Kelway, etc. Extra strong, well-grown plants, from 2½ in. pots, $2.50 per 100; $22.50 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

FOR EASTER

BABY PRIMROSE

A mass of bloom, 3 in. pots 6c., 4 in. pots, 8c.; 5 in. pots, 10c.

DWARF MARANTA

Well colored, for fern dishes, 2 to 4 shoots, 2½ in. pots, 6c.

VIOLETS

Princess of Wales, strong divisions, $2.00 per 100, $15.00 per 1000.

John Curwen, Glenhead, L.I., N.Y.

Mention the Florists' Exchange when writing.

DON'T POTTER WITH SCRAPS

When You Can Buy Picked and Selected Bulbs at HEADQUARTERS in the Quantities and Varieties You Need for Less.

Without doubt **WE HANDLE GREATER QUANTITIES** of Spring bulbous stock than any other house, aiming to supply choicest quality at owest possible price and invite comparison.

Cannas

Large, dormant pieces, like those shown in cut, with many eyes: MME. CROZY, PAUL MARQUANT, BURBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, FLORENCE VAUGHAN, ITALIA, QUEEN CHARLOTTE, FLAMINGO, AUSTRIA, ALSACE, SHENANDOAH (bronze foliage). 30 cts. per doz.; $2.00 per 100; $15.00 per 1000.

SPECIAL PRICE ON LARGER QUANTITIES.

DAHLIAS LARGE FIELD ROOTS.

	100	1000
Named Varieties: Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35.00
Separate Colors: Pink, red, striped, yellow or white	4.50	40.00

FERN BALLS

These Should be Started Now for Christmas Trade.

to 7 inches, $1.80 per doz.; $13.00 per 100, or case of 500 for $60.00.

The above is a Photo-Engraving of the Canna Roots we send out

DORMANT H. P. ROSES

Large shipment, consisting of best varieties, all two-year old, low budded.

See Catalogue for List of Varieties and description.

Bundle of 5, 65 cts.; $11.00 per 100; $100.00 per 1000.

TUBEROSES All Sound and Selected Bulbs.

Hand Picked and Selected, 900 in a barrel, 4 to 6 inches, $7.75 per bbl.; $1.00 per 100.

Hand Picked and Selected, 1400 in a barrel, 4 inches, $7.50 per bbl.; 75c. per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS.)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz	15.00	

JAPAN IRIS (Iris Kæmpferi)

In twenty choicest named sorts. All of recent introduction. Best in existence. Double and single varieties.

	Each	Doz.	100
Dormant clumps, named varieties	$0.15	$1.25	$7.00
" " Mixed sorts	.10	.75	5.00

PALM SEEDS NEW CROP SEEDS NOW READY

Cocos Weddeliana	$1.00 per 100; $7.50 per 1000
Latania Borbonica	50c. per lb., $30.00 per 100 lbs.
Pandanus Utilis	$1.00 per 100; $7.50 per 1000
Dracæna Terminalis Canes	$25.00 per 100 feet

Anemone Japonica Whirlwind Dormant field roots

Doz., 50c.; 100, $2.50; 1000, $20.00

CLUCAS & BODDINGTON CO.

Telephone, 4390 SPRING. 812-814 GREENWICH STREET, cor. Jane St., NEW YORK CITY

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

For all other varieties of Spring Planting Stock, get our CATALOGUE just published.

Canadian News

Hamilton.

News Notes.

There will certainly be a large Easter trade in this locality. Never before has a finer lot of flowering stock been seen. At E. G. Brown's there is the usual fine display of flowering and foliage plants; everything looks neat and businesslike. Geo. N. Sones has also a splendid display. His cinerarias are especially fine. Walter Holt has had some fine stock; he has cleared out a good portion already. Harry Marshall finds room for some good material for Easter, although he is pushed for room by his contract for supplying the city parks. I saw some azaleas and rhododendrons, well grown, too. Webster Bros. have some good palms and ferns; otherwise they are sold out of Easter stock. Townsends are preparing for a largely increased business. They report funeral work as somewhat slack lately.

The Foster estate will likely be sold out. There will be little if any dividend for the creditors.

Florists' Club.

As there is at present nothing special on the boards for next meeting it is likely that the gathering will be largely of a social nature. President Turner invites everyone to the meeting to limber up a little; he says it will increase your capacity for handling a big Easter trade.

The scale of prices on bedding plants prepared by the Club, has been printed and distributed to the various growers, and the consensus of opinion is that it will be adhered to, as the prices named are only fair and reasonable, and can be just as easily secured as lower rates.

Jas. Dunlop, of St. Catharines, H. L. anzen, Berlin, and Mrs. A. L. Jack, Montreal, were among the visitors for the week. BEAVER.

London, Ont.

The Gardeners' Association of London held its first meeting of the "educational series" Tuesday evening, March 24, in the lecture hall, Duffield block, Wm. Gammage in the chair. There was a good attendance despite the inclement weather. Rev. Dr. Bethune, the noted entomologist, gave an interesting and instructive address on the depredations of the cabbage worm and onion maggot, and remedies to be applied for their destruction.

F. Darch gave a very earnest and stirring address on benefits to be derived from an organization of this kind.

The Gardeners' Association is much indebted to Messrs. Gammage and Darçh for the keen interest they take in helping along the work in hand.

OTTAWA. We have been having very favorable weather for bringing out backward stock, and the helping along of roses and carnations. It looks as if the cut of both of these staples will be fair, especially roses. Bulbous stock will be very fine; lily of the valley good and plentiful, violets, not abundant.

The plant stock is good; some azaleas are a little early and a good many lilies are behind.

Business has been fairly good, carnations having the call.

Mr. Kapteyn, the last of the bulb contingent, has come and gone. He was proud to see his stock of Gladstone spiræa, which this year is very fine, away ahead of other varieties. E.

ASPARAGUS PLUMOSUS

Fine bushy plants, 3½ in., $10.00 per 100.
Araucaria Excelsa, 5 in., fine $7.50 per 10.
Holly Fern, 2¼ in., $4.00 per 100.
Kentia Forsteriana, 4 in., $3.50 per 10.
Crimson Ramblers, 2¼ in., $4.00 per 100.

Headquarters for Shrubs and Perennials

Webster Bros., Plantsmen. Hamilton, Canada

Mention the Florists' Exchange when writing.

TORONTO.—Business continues good, with a fair supply of both plants and cut flowers. The quantity of bulbous stock is diminishing somewhat, but roses and carnations are more plentiful. Unless there is a large stock of lilies in reserve, they will not be overplentiful for Easter. Lily of the valley is in good supply, and there are a great many azaleas offered. Most of the latter are rather ripe. Quite a few Azalea mollis are around, but they do not sell very well. There are also some very fine light-colored rhododendrons offered, and a few good genistas. Most of the bougainvilleas seen are not quite forward enough for Easter. Good ferns are rather scarce. The warm weather of two weeks ago put a good many violets out of business; not many are grown outside, or in frames, at present. The weather has been colder again, and trees and shrubs have received a much needed check, as a few more warm days would have brought a good many of them into leaf.

Our seed stores are all exceptionally busy, and the rush for Spring planting has begun in earnest. The tulips and other bulbous stock in the city parks are all well up and looking very well. T. M.

Boston.

Change of Market Stand.

On Monday April 6, the Boston Co-operative Flower Growers' Association removes to its new market on Columbus avenue near Berkeley street. The choice of stalls is to be had on Saturday of this week after the order of the last auction sales. The new market will contain one hundred and fifty-two stalls, with a chance to increase the number, and each stall will give sixteen square feet of space in place of nine square feet, as at the old place. The location, which is very near the center of the retail district, should prove an ideal one, and it will surely afford better room and accommodation for handling the immense amount of stock which is now brought in daily and especially for Easter week.

News Notes.

Thomas A. Cox, of Dorchester will have as fine a batch of hydrangeas, in medium sizes, for Easter as is to be found in this vicinity, as well as a very fine lot of heaths in good salable sizes. Daybreak carnations here, in color, size, stem and profusion of bloom, is the equal if not the peer of some of the newer sorts.

Another son arrived at the P. Welch home in Dorchester on Friday of last week.

McCarthy's auction room is filled with a very fine lot of Easter lilies and Crimson Rambler roses.

F. J. NORTON.

St. Louis.

Club Meeting.

The next meeting of the Florists' Club, on April 16, which will be held at Belleville in the Commercial Club rooms, promises to be of great importance to the members, and a large attendance is expected. Two essays will be read, one by Emil Schray on "Forcing Hydrangeas for Easter," another by Fred Ammann, of Edwardsville, Ill., on "Experience With Short-Span Greenhouses." Mayor Halstead, at whose invitation the club is going to Belleville, says those who miss the meeting will regret it very much, as preparations are now being made by the local florists, assisted by the Mayor, to entertain those present in royal style. A fine lot of cut roses is promised for the exhibition at this meeting.

About Town.

Rudolph J. Mohr spent the past week in Chicago, and had a good time with the craft at that place.

R. F. Tesson is now living in town, as he will soon turn over his place to the World's Fair Commission for propagating purposes.

The store of the late firm of Ellison & Tesson, on Grand avenue is for sale. It is now in charge of Mr. Tesson's brother.

Carl Beyer took a run over to Belleville last Sunday to visit some of the craft at that place. He wound up at the bowling alleys, with E. W. Guy as a partner.

Adolph Brix, of North St. Louis, will sail in a few weeks for Germany, his old home, to spend the Summer there.

ST. PATRICK.

PALMS FOR EASTER DECORATION

LATANIA BORBONICA.

We are giving exceptional values at the present time, both in plants for immediate use as well as stock for growing on.

ARECA LUTESCENS.

Pots	Plants in pot	Height	Per doz.	Per 100	Per 1000
2 in. pots,	1 plant in pot,	6 to 8 in. high	$0 75	$6 00	$40 00
3 “	2 plants in pot,	12 to 45 “	1 25	10 00	70 00
4 “	3 “ “	15 to 18 “	2 50	20 00	175 00
5 “	3 “ “	18 to 24 “	5 00	40 00	350 00
6 “	5 to 6 “ “	22 to 24 “	9 00	75 00	
6 “	3 “ “	28 to 30 “	12 00	100 00	

KENTIA FORSTERIANA.

Pots	Leaves	Height	Per doz.	Per 100	Per 1000
2½ in. pots,	4 leaves,	8 to 10 in. high	$1 25	$10 00	$90 00
3 “	5 “	12 to 15 “	2 00	15 00	140 00
4 “	5 to 6 “	15 to 18 “	4 50	35 00	
				Each	Per doz.
6 “	6 “	30 “		$1 25	$15 00
6 “	6 “	30 to 36 “		1 50	18 00
7 “	6 “	30 to 36 “		2 00	24 00
8 “	6 “	42 “		2 50	30 00
8 “	6 “	48 to 52 “		4 00	48 00
9 “	6 to 7 “	52 to 54 “		5 00	
9 “	6 to 7 “	54 to 58 “		7 50	
10 “	6 to 7 “	60 “		10 00	
10 “	6 to 7 “	72 “		12 50	
12 in. tubs	7 “	7 to 8 feet, “		25 00	

PHŒNIX CANARIENSIS.

	Each
11 in. tubs, 3½ to 4 ft. high, bushy and shapely	$5 00
11 “ 4 to 4½ “ “ “	6 00

Ferns for Fern Dishes

FOR IMMEDIATE USE.

	Per 100	Per 1000
2 in. pots, assorted varieties	$3 00	$25 00
3 “ “ “	6 00	

LATANIA BORBONICA.

In pots	Leaves	In. high	Per doz.	Per 100	Per 1000
2			$0 50	$4 00	$30 00
2¼			60	5 00	40 00
3	5 to 6	12 to 15	1 00	8 00	
4	5 to 6	15	2 50	20 00	
5	5 to 6	15 to 18	4 00	30 00	
6	5 to 6	18 to 20	6 00	50 00	

KENTIA BELMOREANA.

Pots	Leaves	In. high.	Per doz.	Per 100	Per 1000
2½	4	8 to 10	$1 25	$10 00	$90 00
3	5	12 to 15	2 00	15 00	140 00
4	5 to 6	15 to 18	4 50	35 00	
5	6	18 to 20	7 50	60 00	
				Each	Per doz.
6	6	26 to 28		$1 25	$15 00
6	6 to 7	28 to 30		1 50	18 00
7	6 to 7	30 to 32		2 00	24 00

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

PLUMOSUS NANUS

Good strong stock, just right for planting out, 2¼ in., at $4.00 per 100; 3 in., $8.00 per 100; 3½ in., $9.00 per 100, 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance 100 6-in. pans, strong, healthy plants. Write for price.

Address **JOSEPH TOWELL, Paterson, N. J.**

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 4 in., strong, $6.00 per 100.

Coleus, R. C., mixed, $5.00 per 1000; 60c. per 100. Red, yellow and black, $7.50 per 1000; 80c. per 100.

L. H. FOSTER, 45 King St. **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

40,000 Blooming Plants

FOR EASTER.

3000 Crimson Ramblers, unique designs, extra fine plants, $1.00 to $25.00 each.

2000 Hydrangeas, the finest in the market, $1.00 to $5.00 each.

10,000 Lilium Longiflorum, 12c. and 15c. per bloom.

A large assortment of Hyacinths in pans, $1.00 per doz.

AZALEAS, 75c. to $15.00 each.

HYBRID ROSES, $5.00 per doz. and up.

SPIRÆA, $4.00 and $6.00 per doz.

RHODODENDRONS, $1.00 to $15.00 each.

Also a large assortment of Palms and other Ornamental Plants.

HERMAN C. STEINHOFF,
578 Hudson Boulevard, West Hoboken, N.J.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

Extra strong, 18 to 24 in. high, 4 in. pots, $8.00 and $10.00 per 100.

CARNATIONS **Rooted Cuttings.** All the leading varieties. Send for prices before ordering.

W. T. & F. P. BUTZ, New Castle, Pa.

Mention the Florists' Exchange when writing.

FERNS and PANSIES

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Pansies, strong clumps, in full bloom, $1.75 per 100.

Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

- **Areca Lutescens,** 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.
- **Kentia Belmoreana and Forsteriana,** 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
- **Rex Begonia,** 2 and 3 in., $4.00 and $8.00 per 100.
- **Asparagus Plumosus,** 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.
- **Dracæna Indivisa,** 4 in. and 5 in., $10.00 and $25.00 per 100; 3 in., $5.00 per 100.
- **English Ivy,** 2 and 3 in., $3.00 and $6.00 per 100.
- **Vinca Var.,** 2 in., $2.00 per 100; 3 in., $4.00 per 100.
- **Geraniums,** single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Frances Perkins, 2 in., $2.50 per 100.
- **Ageratum,** blue and white, 75 cts. per 100.
- **Carnations,** Rooted Cuttings, Wm. Scott, Portia, Prosperity, Queen Louise, Ethel Crocker, F. L. Ine, $1.00 per 100.
- **Carnations,** Portia, Ethel Crocker, Goodenough, Wm. Scott, White Cloud, F. L. Ine.
- **Coleus,** mixed, **Ageratum,** blue and white, **Verbena, Scarlet Sage.**
- **Petunia,** Lobelia.

All 2 inch pots, $2.00 per 100.

- **Pansies,** ready to bloom, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

TWO OF THE GREATEST WONDERS

in the **Plant Kingdom.** The **RESURRECTION PLANT** and the **LIVING ROCK.** Full particulars and wholesale prices sent upon application. Samples of both plants sent postage prepaid on receipt of 50c.

NEWELL & AMES, Comstock, Tex.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER.

14 to 16 inch, 75 cts. each; 16 to 18 inch, $1.00 each. These are extra large, shapely plants, full of bud.

Genistas, 4 in., $1.50 per doz.; 5 in., $2.00 per doz.

Double Fuchsias, red, white and blue. 3 inch, $3.00 per 100; 4 inch, $6.00 per 100.

Pansies, Superior strain, transplanted in cold frames, 50c. per 100, by mail; $3 per 1000, by express.

Mammoth Verbenas, 60c. per 100 by mail; $5.00 per 1000.

WHITTON & SONS. Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

FOR EASTER FLOWERING

- **Azaleas,** extra large plants, full of buds, $1.50 each; good sized plants $1.00 each.
- **Genistas,** in bud and bloom, large plants $3.00 per dozen; smaller plants $2.00 per dozen.
- **Cinerarias,** fine plants, $1.50 per dozen.
- **Fuchsias,** all colors, 3 inch, $4.00 per 100; 4 inch, $6.00 per 100.

UTICA FLORAL CO., UTICA N. Y.

Mention the Florists' Exchange when writing.

EXTRA FINE

AZALEAS

FOR EASTER.

Large Stock of Fine Plants such as

Mme. Van der Cruyssen, Niobe, Bernhard Andreas alba, etc.

ALSO EXTRA FINE

HYACINTHS

In pans and pots,

AND LARGE STOCK OF

DRACÆNAS (Terminalis)

CHAS. KROMBACH,
Ft. Hamilton Ave. and E. 4th St.
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

HERE I AM AGAIN!

- **Easter Lilies,** good sized plants, run from 3 t 6 flowers and buds, 10 cents.
- **Daffodils,** 3 bulbs, double-nose, to a 5-in. pot, $2.00 per 12; very fine.
- **Hyacinths,** very fine, $1.20 per 12.
- **Tournesol Tulips,** red and yellow, $1.50 per 12.
- **Hardy English Ivy,** strong, 3 ft. high, 5 in. and 6 in. pots, $3.00 per doz.
- **Periwinkle,** 4-in. pots, $10.00 per 100.
- **Geraniums,** 4-in. pots, $8.00 per 100.
- **Spiræa,** 6-in. pots, $3.00 per 12.
- **Roses,** strong, in 6-in. pots; Bride or Magna Charta, $35.00 per 100.
- **Genista,** 5-in. pots, 2 ft. high, $3.00 per 12.

SAMUEL V. SMITH,
63 Goodman St., Rising Sun,
Take 8th St. Car. **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 t 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS.

- Best varieties for dishes, etc., 2½ and 3 in., $3.0 per 100.
- **BOUGAINVILLEA,** 4 and 5 in., $2.50 per doz
- **FICUS ELASTICA,** 5 and 6 in., fine, $4.00 t $6.00 per doz.
- **BEGONIA,** Erfordii and Dew Drop, in bloom 2½ in., $2,50 per 100.
- **BEGONIA METALLICA,** 3 in., $3.00 per 10
- **ABUTILON,** Eclipse and Splendens, 3 in., $3.0 per 100.
- **ANTHERICUM,** variegated, 3 in., $3.00 per 10
- **LOBELIA,** Kaiser Wilhelm, 2 in., $2.00 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa

Mention the Florists' Exchange when writing

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for ou Summer trade, we offer you while they last a fin stock of the following:

Assorted Ferns, for jardinieres in twelv of the best varieties, from 2¼ in. pots $3.00 per 100; $25.00 per 1000. 250 a 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.0 per 100; $140.00 per 1000; 5 in., $25.0 per 100.

Adiantum Gracillimum. 3 in., $6.00 pe 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing

AZALEAS

10 to 12 in. heads, $6.50 per doz.; $50.00 per 100. 12 t 14 in. heads, $7.50 per doz.; $60.00 per 100. 14 to 16 in heads, $11.00 per doz.: one plant, $1.00. Large plants at lowest wholesale prices.

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 pe 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 pe doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in pots, $40.00 per 100; $5.00 per doz.; from 8-in. pot and larger, $2.50 each and upward, according to size

Kentia Forsteriana and Belmoreana, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 pe doz.; from 7-in. pots and upward, at $1.75 to $35.0 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in pots, $40.00 per 100: $6.00 per doz.. Fine stock o larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fin plants.

Araucaria Compacta, from $1.00 upward Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each.

L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa

Mention the Florists' Exchange when writing

HAERENS BROS., SOMERGEM, BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **EASTER FORCING PLANTS.** We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Hærensiana), a soft pink, and we make the special offer of 100 nice 12-14 inch plants for $25.00 at our nursery. **Send your orders** for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application.

AUGUST RÖLKER & SONS, P. O. Box 752, **31 Barclay St., New York**

Mention the Florists' Exchange when writing.

ORCHIDS

We beg to recommend our fine and large stock of orchids to everyone growing this class of plants. If you want plants that will pay, don't forget that is the kind of stock we sell.

Also fine live **Sphagnum** and fibrous **Peat** and Baskets of all kinds.

LAGER & HURRELL, Summit, N. J
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

CYCAS REVOLUTA

A BARGAIN

FOR SALE—One dozen Specimen Plants with about 30 leaves, each 3 to 4 feet long. Will sell very cheap in order to make room.

Two Specimen plants of

ENCEPHALARTOS

in grand condition.

Private Dept. **JOHN LEWIS CHILDS,**
Floral Park, N. Y.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS. 3 in., fine, bushy, $6.00 per 100.

ASPARAGUS SPRENGERI. 2¼ in., $2.00 per 100.

LITTLE BEAUTY FUCHSIAS. 2 in., $5.00 per 100.

MME. SALLEROI GERANIUMS. 2¼ in., $3.00 per 100; 3 in., $4.00 per 100.

SMALL FERNS, for dishes 3.50 per 100.

COLEUS in variety, 2½ in., $2.50 per 100.

CHRYSANTHEMUMS. Fine assortment of standard varieties, 2½ in., $2.50 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing

Asparagus Sprengeri

3 in., $5.00 per 100; 2 in., $2.50 per 100; $20.00 per 1000.

DEAN FERRIS, PEEKSKILL, N. Y.

Mention the Florists' Exchange when writing.

Phœnix Canariensis

Field-grown, young, thrifty plants

(See Florists' Exchange, issue of February 7.)

3 feet high	$2 30
4 feet high	3 20
5 feet high	4 10
6 feet high	5 40
7 feet high	6 70
8 feet high	8 00

Delivered free at New York, Philadelphia, Chicago and other Eastern points

Orders not accepted for less than four Palms

Cheaper Rates by the Carload.

CORRESPONDENCE SOLICITED.

SOUTHERN CALIFORNIA ACCLIMATIZING ASSOCIATION
SANTA BARBARA, CAL.

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)
$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

BOSTON FERNS

5 in. pots	per doz.,	$3.00
6 in. "	"	5.00
6 in. " strong	"	6.00

FERN BALLS,

Furnished with leaves .... per doz., $5.00

FERNS FOR DISHES

2 in. pots, good varieties .... per 100, $4.00

WRITE FOR LIST.

The GEO. WITTBOLD CO.
1657 Buckingham Place, Chicago.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

Florists' Orchids

Large Importations Just Arrived

SANDER, St. Albans, England
Bruges, Belgium

Agent, A. DIMMOCK, 60 Vesey St., New York City

Mention the Florists' Exchange when writing.

Coal Didn't Bother Us!

We are Headquarters for

Easter Plants

Blooming Easter Week or Before.

I have an immense stock of the finest and choicest in Philadelphia, and in such quantities that exceed anything that I have ever offered before. Several new greenhouses have been added to our large establishment, and these, with many hotbeds, are devoted to the entire cultivation of Easter plants alone; therefore I will be prepared to fill all orders if sent in time as far as the supply will reach.

AZALEA INDICA.

Have two houses 20 x 100 feet full of these choicest and most favorite Easter plants. Most of my customers already know that I am agent for a large concern in Ghent (Belgium), O. Vanden Plas; therefore I can offer you plants at first hand and not through the middleman. In the interest of my customers I go there every year if possible and select my stock personally for the American market. **Notice:** My Azaleas as soon as they arrive from abroad are planted in pots and pinched out as often as it is necessary and taken care of all winter, while some florists place their plants in hot-beds or frames without pots until sold.

MME. VAN DER CRUYSSEN is a rare article this Easter, but as a novelty I can offer about 700 (6-in. pots) of the finest middle-sized plants of this variety, and these are the finest you ever laid your eyes on, as round as an apple, covered with buds. Price, 75c., $1.00, $1.25 each. Specimen plants, 10 and 11-in. pots, $4.00 and $5.00 each.

Other choice varieties in double white, we have Niobe, Bernhard Andreas alba and Deutsche Perle. In pink we have Simon Mardner, Dr. Moore, Memorier, D. L. Van Houtte, Paul Weber, etc. In variegated we have Empress of India, Prof. Walters, Vervæneana, and about eighteen more best varieties of all shades and colors, too much to mention. Price, 6-in. pots, 60c., 75c., 85c., $1.00 and $1.25 each. Specimens, 7-in. pots, $1.50 and $1.75 each.

AZALEA MOLLIS, a novelty when in bloom, 6-in pots, 60c. and 75c.

SPIRÆA COMPACTA, 6-in. pots, $3.00 per dozen (my own importation, fine, bushy plants).

CINERARIA HYBRIDA (perfect jewels), all shades and colors, full of buds and flowers, 6-in. pots, $3.00 and $4.00 per dozen; specimen plants, $5.00 per dozen, smaller plants, 5 and 6 in. pots, $2.50 per dozen.

DAISIES, white and yellow, 6-in. pots, $3.00 per dozen.

LILIUM HARRISII. Have about 2500 of these (H. F. Michell's selected bulbs, 7 x 9, at $120 per 1000); height from 15 in. to 36 in., 5 to 12 buds to the plant, at the rate of 10c. per bud. Lilies are scarce; other plants must accompany the order.

HYDRANGEA OTAKSA (pink). Have a large housefull in tip-top condition, better than ever; strong plants, 6-in. pots, $4.00, $5.00, $6.00 to $9.00 per dozen. Specimens, 7-in. pots, $1.00, $1.25 and $1.50 each (a few white ones at $3.00 per dozen).

BEGONIAS. Pres. Carnot, 5-in. pots, $2.00 per dozen; 6-in. pots, $3.00 per dozen.

BEGONIA Metallica, 6-in. pots, very large and bushy, $4.00 and $5.00 per dozen.

BEGONIA Vernon (dark red), a new variety from Switzerland, 6-in. pots, full of flowers, $3.00 per dozen.

BEGONIA Vernon (dark red), 4-in. pots, $1.50 per dozen.

BEGONIA, Mixed, 4-in. pots, $1.20 to $1.50 per dozen.

HYACINTHS, all named varieties, from first-sized bulbs of my own importation, all fine shades, $10.00 per 100.

TOURNESOL TULIPS (double red and yellow striped), best double Tulips in existence, sell at sight, three bulbs in a 4-in. pot, $1.50 per dozen pots.

DAFFODILS (Von Sion), double-nosed, three bulbs in a 5-in. pot, unusually fine this year, $2.00 per dozen pots.

Mr. G. Aschmann has very fine azaleas, hydrangeas, Easter lilies, spiræas, cinerarias, tulips hyacinths and other plants in bloom and bud. We very highly recommend our customers to Mr. Aschmann for fair and reliable business treatment. (Signed) Henry F. Michell, 1018 Market St.

No use talking, Mr. Aschmann has a very fine lot of Easter plants, and I am greatly surprised at the low prices quoted on same. I can recommend Mr. Aschmann to anyone, as I have known him for the past 29 years. (Signed) Geo. Huster, head gardener of Girard College, Philadelphia, Pa.

There is nothing too much said in Mr. Aschmann's ad; all that is said is true. (Signed) Thomas Logan head gardener to W. L. Elkins, Ashbourne, Pa.

On account of saving express charges please mention if plants are to be taken out of pots or not.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere; only 25 minutes' ride from City Hall. Take 13th st. car, or Germantown car, 8th and Market Sts. north to Ontario St. and walk one square east. Cash with order, please.

Money can be sent safely by Express or Postal Money Order, Registered Letter or Draft.

All goods shipped at purchaser's risk.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Importer and Wholesale Grower of Pot Plants.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display).

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by single, middle-aged man; life experience in cut flowers, pot plants; able to take charge. Please state wages. O. D., care Florists' Exchange.

SITUATION wanted; life experience growing roses, carnations and all kinds of plants. State wages. Middle age. Single; sober. O. C., care Florists' Exchange.

SITUATION wanted as working foreman by first-class grower of roses, carnations, chrysanthemums and general stock. No. 1 references. O. F., care Florists' Exchange.

SITUATION wanted as working foreman; first-class grower of cut flowers and general stock. Industrious; best of references. Address M. Foreman, 712 First Ave., Watervliet, N. Y.

POSITION wanted on private or commercial place, by thoroughly experienced Hollander; married, no family. A 1 references. Please state salary. Address O. B., care Florists' Exchange.

WANTED, position by a married man, German, as gardener or overseer on private place; $45 per month and free rent. Best references. Address J. M. M., 54 Clinton Ave., Bridgeport, Conn.

SEEDSMAN and florist, 18 years' experience, speaks four languages, wishes traveling position to sell seeds, bulbs, and plants. Also all around with importation of seeds, bulbs and plants from Europe. Only first-class firm. Address N. C., care Florists' Exchange.

SITUATION wanted as gardener, to take charge of private place or institution, by competent, reliable landscape gardener and florist; up to date in greenhouses; married, no children, age 35. No. 1 references. State wages. Address O. A., care Florists' Exchange.

SITUATION wanted by live, practical, all-around florist as working foreman or to take charge; 22 years' practical experience in roses, carnations and bedding stock; good hardwood propagator; also good and tasty designer; no fakir, but one who can answer for himself and give entire satisfaction where good services are required. Single. Commercial only. Address O. E., care Florists' Exchange.

HELP WANTED

WANTED, all-around man as assistant for eleven houses; single preferred. Myers Bros., Eldorado, Pa.

WANTED, young man for assistant in rose houses. Board and room furnished. The J. M. Gasser Company, Euclid Ave., Cleveland, O.

WANTED, man with experience in rose section. Wages, $12.00 per week. Pittsburgh Rose and Carnation Co., Crystal Farm, Valencia P. O., Pa.

WANTED, single man who has had some experience in rose-growing; steady position. Address or apply F. C. Schweinfurth, Bronxville, N. Y.

WANTED, an assistant rose grower, one familiar with the growing of American Beauties. Myers & Samtman, Wyndmoor, Chestnut Hill, Philadelphia, Pa.

WANTED, a man as assistant in a small commercial place; must be well recommended. Address, giving full particulars, Mrs. Robert Marchant, 13 Huntington Street, Hartford, Conn.

WANTED immediately a thoroughly honest young man not afraid of work, who understands the growing of carnations, violets and bedding stock. Address O. L., care Florists' Exchange.

WANTED, good all-around single young man, with some experience in greenhouse and outside work. Steady employment, with room and board. Wages, $20 a month. Address O. K., care Florists' Exchange.

WANTED immediately, trustworthy young saleswoman and maker-up, permanent position to right party. Don't write. Call. Will pay salary according to ability and experience. Le Moult, 436 4th Ave., New York.

WANTED immediately, trustworthy young man as salesman and maker-up. Permanent position to right party. Don't write. Call. Will pay salary according to ability and experience. Le Moult, 436 4th Ave., New York.

WANTED, two German gardeners between 35 and 45; must be experienced in growing carnations; fair wages with board; come prepared for work. G. Rummler, West Nyack. Apply G. Bradshaw, 53 West 280 St., New York.

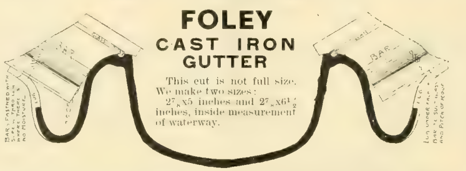
WANTED industrious, trustworthy and steady young man, capable of taking some responsibility in commercial greenhouses, permanent position; wages $20 per month and board, besides free room, etc. Address Th. P. van der Meulen, Dunkirk, N. Y.

FOLEY MFG. CO.

471 West 22d St., CHICAGO, ILLS.

GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.



FOLEY
CAST IRON
GUTTER

This cut is not full size. We make two sizes: 2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, an experienced young man for florist business. Samuel S. Peckham, Fairhaven, Mass.

WANTED, three single men experienced in growing roses and carnations. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED, day fireman who understands steam boilers and pipe fitting. Steady employment. State wages, etc. W. K. Partridge, Lockland, Ohio.

AMBITIOUS, hustling Englishman, 37, of good habits and splendid character, owning a lovely place, with 10,000 feet of glass, and wishing to extend same, will correspond with a refined lady of some means, or in the business. View to matrimony. Address O. H., care Florists' Exchange.

WANTED, greenhouse assistant with experience in watering, ventilating, potting, etc., cut flowers and plants. Retail commercial place; eastern New York. Wages $25.00 and board per month. Give references and state experience. Address M. G., care Florists' Exchange.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester, Mass.

WANTED

FOR AN ALL-AROUND OFFICE MAN, a bright young fellow of 20 to 25, familiar with nursery varieties and preferably having some knowledge of book-keeping. Must be of good address and capable of acting as traveling salesman occasionally. Address "Wholesale Nurserymen," care Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Second-hand, modern, iron frame greenhouse about 20 x 100. F. o. b. cars or steamers, for cash. A. W. Smith, Americus, Ga.

WANTED, to buy 3000 to 4000 ft. of glass with dwelling, not less than one acre land. State price and reason for selling, dimensions and lay of houses. H. Christensen, 250 Adams St., Brooklyn, N. Y.

WANTED, lowest quotations for American Pearl tuberoses, 4 to 6-inch bulbs; delivery early next season. Also for flower and vegetable seeds, crop 1903. Firm offers to Pontey's, wholesale seed and bulb merchants, 21 Cornwall St., Plymouth, England.

BUSINESS OPPORTUNITIES

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE or rent, greenhouse property two acres, seven houses, dwelling, barn, sash, gas and water privileges. Ten minutes by rail from 34th St. Ferry, N. Y. City. Possession immediately. A. Gladstone, Real Estate, Woodside, L. I., N. Y.

A GOOD POSITION is offered to a man who can invest a small amount of capital; one who understands the needs of florists' building materials. Don't waste time writing unless you mean business. Address O. J., care Florists' Exchange.

FOR SALE, well paying florist establishment at Grandview-on-Hudson, N. Y. Three greenhouses 20x130; seven acres land; nine-room residence; everything in fine condition. Address N. L., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE on easy terms at Secaucus, N. J., 40 minutes from Hoboken Ferry; two desirable places for florists, plot 200 x 600 feet with large house, and carriage house, with stable. Plot adjoining 175 x 600 with house, carriage house and barn. Address J. N. Kip, 211 Greenwich Street, N. Y.

TO RENT—At Woodside, L. I., within three miles of 34th street ferry, my entire greenhouse plant consisting of about 17,000 feet of glass. All A 1, heated with seven Hitchings boilers. A visit for inspection will convince you it's a snap. Alex. S. Burns, Woodside, N. Y.

FOR SALE—Old established florist business, 4½ acres of ground, 10 greenhouses, cold frames, 7-room house, barn, etc. Large cemetery opposite. Thirty minutes from New York City. Trolley cars pass place; 36 years in present location. Entire property and business. Large field for wholesale and retail trade. Call and inspect, or address Mrs. C. M. Hutchinson, Elizabeth, N. J.

A Business Opportunity

20,000 feet of glass, well stocked and in good condition; also a city retail store with a well established, profitable trade, for sale at a bargain.

Owner would prefer to sell the houses and keep the store, taking, if desired, the output of the houses; or would sell an interest in the business to a competent, pushing grower.

This is an opportunity for a grower to establish himself near to one of the best markets in the country, or for a storeman and a grower to mutually acquire, on favorable terms, a desirable plant and a store with an established, profitable trade.

This is a proposition that will bear careful investigation. Address,

FRANK HUNTSMAN, Cincinnati, O

Mention the Florists' Exchange when writing.

One Smith & Baker Boiler, 7 sections, suitable for hot water or steam, $60.00.

Four Hitchings Boilers, No. 16, $45.00 each.

Second-Hand Wrought Iron Pipe, 2 in., 7½c. ft.; 1½ in., 5½c. ft.; 1¼ in., 4½c. ft.; 1 in., 3½c. ft.; ¾ in., 3c. ft.

One No. 6 Ericsson Engine, $50.00.

All kind of tools, etc., eight ply Hose, 7c. ft. Write for prices on Glass and other materials.

Lawson Carnations, rooted cuttings, $20.00 per 1000. Cash with order, please.

MANHATTAN SUPPLY CO.

339 E. 23d St., New York

Mention the Florists' Exchange when writing.

CHANGES IN BUSINESS.

GLOUCESTER, N. J.—Frank Batez has removed to 214 Middlesex street.

MARQUETTE, MICH.—The Lute Floral Company has opened a branc store at Lake Linden.

OAKLAND, CAL.—It is reported tha Paul Grallert, of Colma, will shortly mov his greenhouse establishment to th place.

HONOLULU, HAWAIIAN ISLANDS.— A florist's store has been opened here b Mrs. Ethel M. Taylor, formerly of Lo Angeles, Cal.

LYNN, MASS. Frank J. Dolansky ha bought the land and greenhouses former occupied by Fred A. Smith and will oper ate the same with his other two place

RIVERSIDE, CAL.—F. P. Hosp w start a flower store here, Miss Hosp w be in charge. His Ninth street green house establishment will be abandoned.

WESTPORT, CONN.—Alexander V Sherwood has started in growing flowe for the New York market. He conten plates going more largely into the ventu next Fall.

KANSAS CITY, MO.—The William Rock Flower Company has been inco porated. Capital stock, $50,000, one-ha paid. Incorporators, Charles E. Heit Louis Westervelt and Lucy B. Rock.

PAINESVILLE, O.—Martin Kohanki who has been in the employ of the Stor & Harrison Company for nearly twen years, has decided to devote all his tin to his business on his property on Fob street and already has a full-fledge nursery establishment.

READING, PA.—The petition of Lil ian Dunkelberger, administratrix of Jol H. Dunkelberger, deceased, for permi sion to sell at private sale the undivide interest of the decedent in the lot or pie of ground, with the greenhouses erect thereon, 904-912 Mulberry street, to E gar H. Beears for $1,700, has been direc ed to be filed.

NORTH YAKIMA, WASH.—Arth Judges William Wilson, and Rupert Ca of Helena, Mont., have purchased fi acres of ground here and will establish greenhouse. They will incorporate und the name of the Washington Floral Co pany and will put in a plant which, wh completed, will have about 50,000 squa feet of glass and employ a dozen or mo people. The company intends eventua to engage largely in the seed and nurse business.

FIRMS WHO ARE BUILDING.

DES MOINES, IA.—W. H. Speers w erect a greenhouse here.

PONTIAC, MICH.—George Farrant building a new greenhouse.

BALDWINVILLE, MASS.—Lucius Gr ham will build a greenhouse here.

NORWICH, N. Y.—E. F. Quinn ha completed three new greenhouses, ea 18 x 125 feet, to be devoted to roses a carnations.

FLATBUSH, N. Y.—Henry Hession ha secured a permit to construct a gree house, 25 x 125 feet, at his establishme on Clarkson street.

Orange, N. J.

Society Meeting.

The regular monthly meeting an flower show of the New Jersey Flor cultural Society was held on Wednes day, April 3, with a large display cut flowers and plants in pots. Prom inent upon the center table were vase of long-stemmed roses from Pet Duff, antirrhinums of large size fro George Smith and some extra large a lamandas grown by John Hayes; als some remarkable floriferous genista from Malcolm MacRorie and crotor in pots from D. Kindsgrab.

The society was disappointed at n hearing from A. D. Rose on "Plant for Easter Flowering," as had been an nounced. The time allotted to th subject was taken up in a discussion the violets brought by Robert M Gowan, the well-known shoemaker Orange, who was asked to tell his ex perience in raising violets. The mont of September Mr. McGowan conside the most trying time on violets, owin to the prevailing mold, which als manifests itself on shoes, it being a most impossible to keep it off stock a that season. He is very careful t cover his violets at night from the de at that time. The flowers shown wer of fine quality.

The prize to be given by this societ to the Chrysanthemum Society

America was discussed, and the suggestion of President Herrington, that the society fall in line with other associations in the classes for 24 and 12 distinct varieties was finally adopted. By this is opened the Pierson sweepstake cup, which is to be given those competing for the 24 and 12 varieties prize.

Four sterling silver cups were displayed, these to be given as prizes to the winners at the monthly show of flowers, fruit and vegetables at the close of the season. A fifth cup was offered by A. Schoenthal, of Orange, and accepted, the exhibition committee deciding to award it at a special rose exhibition in June, for the best six varieties of four blooms each, grown in the open. A vote of thanks was accorded the donors of the cups.

J. B. D.

CARNATIONS

Rooted Cuttings

	100	1000
Mrs. Theodore Roosevelt	$12.00	$100.00
Alpine Glow	8.00	75.00
Harry Fenn	6.00	50.00
Viola Allen	6.00	50.00
hallenger	5.00	40.00
aiety	6.00	50.00
H. Manley	6.00	50.00
Mrs. Lawson	3.00	25.00
olden Beauty	6.00	50.00
Lorna	3.00	25.00
Prosperity	3.00	25.00
Floriana	3.00	25.00
Lillian Pond 2 in. pots	10.00	
Her Majesty 2 in. pots	10.00	
Marshall Field 2 in. pots	12.00	
ov. Lowndes 2 in. pots	12.00	

THE COTTAGE GARDENS, Queens L. I., N. Y.

Mention the Florists' Exchange when writing.

Berberis Oregonium

Mahonia.

Seventy five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid**, for $1.00.

J. H. HOWE, Florist, 1433 34th Ave., So. SEATTLE, WASH.

Mention the Florists' Exchange when writing.

50,000 CANNAS

Pot now. Nice started sound roots.
$2.00 per 100; $15.00 per 1000.

Mme. Crozy, Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Chas. Henderson, Burbank, Austria.

Philadelphia, Golden Moon, Queen Charlotte, Canary Bird, Leopard, Duke Marlborough, $3.00 per 100.

Souvenir d' Antoine Crozy, 6 cts.; Gloriosa, 6 cts; Rosemaur (pink), 8 cts.; Maiden's Blush (pink), 8 cts.; Pink Beauty, 6 cts.; Unnamed, good colors, $1.25 per 100; Bronze Beauty, red leaved, 4 cts. 1000 Potted Canas later.

VIOLETS 5000 Lady Hume Campbell, strong Fall runners, from soil, $1.00 per 100; $10.00 per 1000.

Vinca major var., 4 in., $5.00 per 100; 2½ in., $3.00 per 100.

1000 **Tritoma Uvaria**, field roots, $6.00 per 100.

1000 **Halleana Honeysuckle**, 4 cts.

1000 **Clematis Paniculata**, 2 years old, 5 cts.

1000 **English Ivy**, 2½ in., $3.00 per 100.

1000 **Hydrangea Paniculata**, 4 years, 15 cts.; 2 years, 8 cts.

1000 **Double Gen. Grant Geranium**, 2½ in., $2.00 per 100.

1000 **Caladiums**, large bulbs, 6 cts.; medium, 4 cts. Started in sand, 6 cts. and 8 cts.

5000 **Shrubs and Vines.** Send for list.

Cash please.

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ¾ to ½ inch diameter .... per 1000, $6.[illegible] per 2000, $11.50 per [illegible], $[illegible]
3 " ⅜ to ⅝ " " .... " " [illegible], " " 6.50, " " 18.00
3 " ⅜ " " .... " " 3.25, " " 6.00, " " 17.00

CASH WITH ORDER, PLEASE.

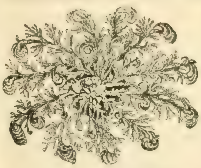
HARDY HOLLAND H. P. ROSES,
MOSS, CLIMBING and
AMERICAN BEAUTY ROSES.

Azaleas, Altheas, Clematis and other Climbing Plants, Deutzias, dwarf and standard **Hydrangeas, Rhododendrons,** etc. Send for Catalogue.

JOOSTEN'S SELECT GLADIOLUS—Extra Large Bulbs, Light Colors.

C. H. JOOSTEN, Importer, 178 Chambers St., New York.

Mention the Florists' Exchange when writing.



Resurrection Plants

SELL WELL FOR . . . **EASTER.**

Large fine plants, 5 cts. each, 50 cts. por doz.; $3.00 per 100; $25.00 per 1000.

ADDRESS :

H. H. BERGER & CO.
47 Barclay St., New York.

Mention the Florists' Exchange when writing.

VIOLETS.

Little Dorsett, the finest single bloomer in cultivation, $2.00 per 100; $25.00 per 1000. Princess of Wales, $3.00 per 100; $25.00 per 1000. Cash.

WAVERLEY GREENHOUSES, TUCKAHOE, N. Y.

Mention the Florists' Exchange when writing.

For Easter

LILIUM LONGIFLORUM, extra fine, 12c. per bud or flower.

CINERARIA, 5 in., in bloom, 12c. and 15c. each.

G. A. THIELE,
1309 Seller St., Frankford, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

2000 Easter Lilies

HARRISII and LONGIFLORUM, 5 in. pots, 1½ to 3 ft. high, foliage from top to bottom, 3 to 6 flowers per plant, 10 cts. per bud.

HYDRANGEAS, 5 and 6 in. pots, 25 cts., 35 cts., 50 cts. each.

SPIRÆAS, 6 in. pots, 30 cts. each.

MARGUERITES, 5 in. pots, 20 cts. each.

CASH WITH ORDER.

CHRISTIAN DEHN, 178-80 Beekman St., Saratoga Springs, N. Y.

Mention the Florists' Exchange when writing.

EW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine rm, the spikes are large, entirely erect and are borne just the right distance bove the foliage.

Potted Plants, ready for delivery in March, 75c. each; $7.50 per Dozen; $50.00 per 100. Stock limited.

GREAT REDUCTION

On the best list of Cannas ever offered; **50 Varieties**, all different shades; **strong healthy roots. Our Cannas never kept so well. Prices** have been lowered **25 per cent.** to reduce surplus. **This offer good for a short time only. No order accepted** for less than 100 roots, or 10 of a kind, at these prices.

PINK SHADES.

		Per 100
ouise		$6.00
etsy Ross		6.00
uray		2.25
artha Washington		3.00
mproved Duchess of Marlborough		2.25
henandoah, bronze leaf		2.25
astern Beauty, bronze leaf		6.00
lle. Berat		2.25
ink Ehmanii		2.00

RED SHADES.

		Per 100
randywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		6.00
herokee, new		4.50
lack Prince		3.00
lazing Torch		2.25
lympia	$18.00 per 1000;	2.25
hiladelphia	18.00 "	2.25
uke of Marlborough	18.00 "	2.25
illar of Fire		3.50
ennsylvania, orchid-flowering, per 1000	$67.50	7.50
res. McKinley		2.25
res. Cleveland		2.25
has. Henderson		2.00
artenope, orchid-flowering		4.00
olumbia		2.25
hicago		2.25
altimore		3.00

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$6.00
Queen of Holland		4.50
Evolution		6.00
California		3.00
Coronet		3.00
Primrose		2.00
Duchess of York		3.00
Florence Vaughan	$18.00 per 1000;	2.25
Comte de Bouchard		3.00
Austria	$15.00 per 1000;	2.00
Burbank		2.00
James Wood, orange		4.00
L. E. Bailey		2.50
Eldorado		3.50

VARIEGATED SHADES.

		Per 100
Duke of York, a new Canna with very large flowers and most striking appearance		7.50
Niagara		6.00
Augusta		3.00
Gloriosa		6.00
Mme. Crozy	$18.00 per 1000;	2.25
Queen Charlotte	18.00 "	2.25
Allemania	18.00 "	2.25
Italia	18.00 "	2.25
Alsace, creamy white	18.00 "	2.25

EXTRA MIXED CANNAS, great variety in color, $1.00 per 100; $8.00 per 1000.

EW CRIMSON RAMBLER, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter lor, not subject to mildew as Crimson Rambler is. 2½ in., **$12.00** per 100; **00.00** per 1000. One-year field plants, cut back to 15 to 18 in., **$25.00** per 100. ne-year field plants, 2½ to 3 ft., **$4.00** per doz., **$30.00 per** 100. Two-year field ants, 3 to 3½ ft., **Bushy, $7.00** per doz ; **$50.00** per 100.

HE CONARD & JONES CO., West Grove, Pa.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.
No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.
Strictly Our Selection, 1000 and over, $17.50 a 1000

SCENTED GERANIUMS

Rose, Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldti, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

DAHLIA ROOTS, large field clumps, **$5.00** per 100. (Our selection, $4.00 per 100).

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2 00
Second size, 4 to 6 in.	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for Catalogue of Full Line of Greenhouse and Bedding Plants.
Notice our Vegetable Plant Advertisement.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Two-Year-Old Roses

From 4 in. pots, extra strong. 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals....	10.00 "

Violets, 2½ in., Lady Hume Campbell, Swanley White, California, Luxonne and Prince of Wales, $3.00 per 100, $25.00 per 1000.
Hydrangeas, Thos. Hogg and Monstrosa, 2½ in., $4.00 per 100, $35.00 per 1000.
Clematis Paniculata, 3 years old, strong, field-grown, $10.00 per 100.
Double Geraniums, 2½ in., $3.00 per 100; $25.00 per 1000.
Lemon, American Wonder or Ponderosa, $4.00 per 100; $35.00 per 1000.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 4 in., $7.00 per 100.
Asparagus Plumosus, 4 in., $8.00 per 100.
Honeysuckle, Chinese Evergreen, Halleana and Golden Leaved, $2.50 per 100.
Plumbago, white, $3.50 per 100.
Cyperus Alternifolius, $2.50 per 100; $20.00 per 1000.
Vinca Major Variegata, $2.50 per 100; 4 in., $8.00 per 100.
Achillea, The Pearl, $3.00 per 100; $25.00 per 1000.

THE SPRINGFIELD FLORAL CO.

Reorganization of JNO. A. DOYLE & Co.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

R·O·S·E·S

Fine young roses, from 2½ in. pots. Two-year-old roses, $9.00 per 100; 2-year-old H. P., $12.00 per 100.

CHRYSANTHEMUMS.

2 in. pots, $2.50 per 100.

CARNATIONS—Plants.

2 in. pots, $3.00 per 100. Following varieties: Ethel Crocker, The Marquis, Flora Hill, Wm. Scott, Daybreak, America, Mrs. F. Joost, G. H. Crane, Armazindy

CANNAS.

3 in. pots, $4.00 per 100; 4 in. pots, $6.00 per 100. Following varieties: Queen Charlotte, Austria, Charles Henderson, Florence Vaughan, Italia, Mme. Crozy, Alphonse Bouvier, Burbank and Allemania.

PALMS.

Phoenix Reclinata, 8 in. pots, $12.00 per doz.
Latania Borbonica, 8 in., $10.00; 6 in., $6.00 per doz.
Kentia Forsteriana, 5 in., $7.00 per doz.
Kentia Belmoreana, 5 in., $7.00 per doz., 4 in., $4.00 per doz.
Asparagus Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $15.00 per 100.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00.
Vincas, 2 in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00; 4 in., $6.00.

NATIONAL PLANT CO., DAYTON, OHIO

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Speak quick if you want them for cash, as they are in condition for a shift.
American Beauty, $5.00.
Bride and Bridesmaid, $3.60.

E. WALLER, Tonicup Greenhouses, **Morristown, N. J.**

Mention the Florists' Exchange when writing.

ROSES

DORMANT FIELD-GROWN,

H. P., Mosses, Crimson Rambler,

A large stock in cold storage for delivery during March and April. Address

W. F. HEIKES, Manager,
Huntsville Wholesale Nurseries,
Cor. Lewis and O'Fallon Sts. **ST. LOUIS, Mo.**

Mention the Florists' Exchange when writing.

ROOTED ROSE CUTTINGS

Select 2 and 3-eye cuttings, strongly rooted. Will make good plants for early planting. Bridesmaid, Bride, per 100, $1.50; per 1000, $12.50. Meteor, Golden Gate, per 100, $1.50; per 1000, $12.50. Perle, per 100, $2.00, per 1000, $17.50. Ivory, fine, per 100, $3.00; per 1000, $25.00.

Geraniums. Elegant 3-in. stock, in select bedding kinds, $5.00 per 100. Choice stock on which you can more than double your money in a short time.

Boston Ferns, fine, cool-grown stock, 5 in., $25.00 per 100; 6 in., $40.00; 7 in., $60.00. Good profits in this stock. **Sprengeri**, 4 in., $8.00 per 100. **Vinca Var.**, strong 2 in., $2.50 per 100.

W. H. GULLETT & SONS, Lincoln, Ill.

Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries.
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

First crop now ready. Strong plants from 2½ inch pots, **$6.00 per 100; $50.00 per 1000.**
Our young plants of American Beauty are exceptionally fine this year, and we extend a cordial invitation to intending planters to inspect our stock. Orders booked now for Spring delivery, and will be filled in rotation.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Choice young Rose Stock, all grafted on Manetti after being carefully selected.

	Per 100
BRIDE, 2½ inch pots	$10.00
BRIDESMAID, 2½ inch pots	10.00
LIBERTY, 2½ inch pots	15.00

CARNATIONS—Rooted Cuttings

	Per 100		Per 100
PROSPERITY	$1.50	G. H. CRANE	$2.00
FLORIANA	2.00	MRS. LAWSON	2.00
THE MARQUIS	1.00	WHITE CLOUD	1.50
AMERICA	1.50	GOLD NUGGETT	2.00

Our Cuttings are all selected for strength and health. No order for less than 50 of one variety filled at these prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

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FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

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Roses, Palms, Crotons

...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

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ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate**, 2 in. pots, $3.00 per 100. **Ivory**, $4.00 per 100. **Helen Gould**, $6.00 per 100. **Mrs. Oliver Ames.**

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANDSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

No more Rooted Cuttings, no more 2-inch plants. Extra fine plants of 2½ inch stock at $50.00 per 1000. New York bank draft or certified check only received in payment.

F. D. VREELAND, Paterson, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS

Fine Healthy Rooted Cuttings

	Per 100	Per 1000
Mrs. T. W. Lawson	$2 50	$22 00
Hill Sport	2 00	17 50
G. H. Crane	2 00	17 50
Gov. Roosevelt	2 00	17 50
Norway	1 50	
Mrs. Bradt	3 00	
J. H. Manley	5 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

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Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

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Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

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THE AMERICAN CARNATION.

Now on press. Write for particulars.
Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

Carnations

Rooted Cuttings

	100		100
Floriana	$3.00	Eldorado	$1.00
Gen. Maceo	1.50	Genevieve Lord	1.00
Morning Glory	1.50		

JEWETT CITY GREENHOUSES,
Jewett City, CONN.

Mention the Florists' Exchange when writing.

Chicago Carnation Co.

Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

	Per 100	Per 1000
Cressbrook	$5 00	$40 00
Challenger	5 00	40 00
Fair Maid	6 00	50 00

500 at 1000 Rates.

Prices on other varieties on application.

C. WARBURTON, Fall River, Mass,

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

	Per 100	Per 1000
MRS. THOMAS W. LAWSON	$2.50	$20.0
THE MARQUIS	1.25	10.0
GOLDEN BEAUTY	5.00	....
J. H. MANLEY...75c. per doz.	6.00	50.0
HARRY FENN....75c. per doz.	6.00	50.0

THEODOR LEONHARD

P. O. Box 1646 Paterson, N. J.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

White.

	Per 100	Per 1000
Wolcott	$5.00	$45.00
Norway	2.00	17.50
White Cloud	1.50	12.00

Red.

	Per 100	Per 1000
Apollo	6.00	50.00
Estelle	5.00	45.00
G. H. Crane	2.00	17.50
Gen. Gomez	2.00	17.50
Gen. Maceo	2.00	17.50

Pink.

	Per 100	Per 1000
Nelson	6.00	50.00
Cressbrook	4.00	35.00
Mrs. Lawson	2.00	17.50
Morning Glory	2.00	17.50
Mrs. F. Joost	1.50	12.00
The Marquis	1.50	12.00
Triumph	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety	4.00	35.00
Stella	5.00	45.00
Prosperity	3.00	25.00

CHRYSANTHEMUMS Rooted Cuttings. It is well to have the right varieties at the right time of the year, for that is where you make your money. Our stock is healthy, and now is the time to order. The following list is given as to succession of blooming of each color.

White.	Per 100
Opah	$6 00
Willowbrook	2 00
Polly Rose	2 00
Robinson	2 00
Mayflower	3 00
Weeks	3 00
Fee du Champs aur.	3 00
Princess Barsarabba	3 00
T. Eaton	3 00
Jerome Jones	2 00

Yellow.	Per 100
Monrovia	2 00
Parr	3 00
Halliday	3 00
Col. Appleton	2 00
Parks	3 00
Bonnaffon	2 00
Golden Wedding	$4 00
Yellow J. Jones	3 00
Goldmine	4 00
Golden Beauty	4 00

Pink	Per 100
Lady Harriett	4 00
Glory Pacific	2 00
Helen Bloodgood	4 00
Dalskov	2 00
Autumn Glory	2 00
Mrs. Perrin	3 00
Mary Hill	4 00
Murdock	2 00
Calvart, light rose	6 00
Malcolm Lamond, red	6 00

Mlle. Liger and yellow Eaton, 50cts. each; $5.00 per doz. 2½ in. pot plants, $1.00 extra per 100.

BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in., 15c. each; 7 in., $1.00; 8 in., $1.25.

Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

Carnation Cuttings

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000
Her Majesty	$10.00	$80.00
Potter Palmer	3.00	25.00
Queen Louise	2.50	20.00
Flora Hill	1.50	10.00
White Cloud	1.50	10.00

	Per 100	Per 1000
America	$1.50	$10.00
Norway	1.50	12.50
Marquis	1.50	10.00
Elma	1.50	10.00

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000
Ivory	$4.00	$35.00
Bride	3.00	25.00

	Per 100	Per 1000
Bridesmaid	$3.00	$25.00
Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Rooted Chrysanthemum Cuttings

WHITE	100	1000
Timothy Eaton	$2 00	$15.00
George Kalb	1 50	12 50
Ivory	1 50	12 50
Lady Fitzwygram	1 00	8 00
Mme. F. Bergmann	1 50	12 50
Mayflower	1 50	12 50
Minnie Wanamaker	1 50	12 50
Mrs. H. Robinson	1 50	12 50
Merry Christmas	1 50	12 50
White Bonnaffon	2 00	15 00
W. H. Chadwick	1 50	12 50
YELLOW		
Yellow Fitzwygram	1 00	8 00
Col. D. Appleton	1 50	12 50
Major Bonnaffon	1 50	12 50

	100	1000
H. W. Rieman	$1 50	$12 50
October Sunshine	1 50	12 50
Golden Wedding	1 50	12 50
Yellow Mayflower	1 50	12 50
W. H. Lincoln	1 50	12 50
PINK		
Glory of Pacific	1 50	12 50
Mrs. Perrin	1 50	12 50
Mrs. Murdock	1 50	12 50
Pink Ivory	1 50	12 50
Viviand-Morel	1 50	12 50
Marian Newell	1 50	12 50
RED		
Defender	1 50	12 50
Oakland	1 50	12 50

WIETOR BROS., 51 Wabash Avenue, CHICAGO

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2 00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

The finest White Carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was also recently awarded First Prize and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in April, $2 50 per doz.; $12.00 per 100, $100.00 per 1000.

nchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, President McKinley, White Bradt, Fragrance, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

donis, $3.00 per doz.; $14.00 per 100; $120.00 per 1000.

er Majesty, $2.00 per doz.; $10.00 per 100; $80.00 per 1000.

Lillian Pond, $2.00 per doz.; $10.00 per 100 $76.00 per 1000.

Innocence, $6.00 per 100: $50.00 per 1000.

Other Leading, New and Standard Varieties,

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATIONS

ORNING GLORY.............$12.50 per 1000

UEEN LOUISE...............$15.00 per 1000

Will have others April 27 to May 11.

Watch my Advt.

LBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
illian Pond	$10.00	$75.00
rs. Lawson	3.00	25.00
loriana	2 50	20.00
rs. Joost	2.00	15.00
m. Scott	1.25	10.00
aybreak	1.50	12.50
orning Glory	2.00	15.00
ueen Louise	2.50	20.00
lacier	2.00	15.00
izzie McGowan	1.25	10.00
. H. Crane	2.50	20.00
en. Maceo	2.00	15.00
rs. Bradt	3.00	25.00
irefly	2.00	15.00

250 at 1000 rates.

ROSE PLANTS

All from grafted stock. Extra fine.

	100	100
ridesmaid, 2½ in. pots	$3.00; 3½ in.,	$3.50
vory, 2½ in pots	3.50; 3½ in.,	4.50

Delivery April 10 to 15. Cash with order.

JAMES E. BEACH,

2019 Park Avenue,
BRIDGEPORT, - - - CONN.

entlon the Florists' Exchange when writing.

HE AMERICAN CARNATION.

By C. W. WARD.

Write for particulars.

HE FLORISTS' EXCHANGE, 2 Duane St., N Y.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

	Per 100	Per 1000
Prosperity	$3 00	$25 00
Roosevelt	3 00	25 00
Cressbrook	3 50	30 00
Mrs. Bradt	4 00	35 00
Mrs. Lawson	3 00	30 00
Golden Beauty	4 00	35 00
G. H. Crane	2 00	15 00
Daybreak	1 00	10 00
Gen. Gomez	1 50	15 00
Gen. Maceo	1 50	15 00
The Marquis	1 50	12 50
White Cloud	1 50	12 50
Flora Hill	1 50	12 50
Queen Louise	3 00	25 00
Genevieve Lord	1 50	12 50
James Dean	1 50	12 50
Mrs. Joost	1 50	12 50
Eldorado	1 00	8 00
Wm. Scott	1 00	8 00
Norway	2 00	15 00
Floriana	3 00	25 00

CHRYSANTHEMUMS 2¼-in. Pots

WHITE.	100
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

ENGLISH IVY 4 inch pots, 24 inches high, $1.50 per doz.; $10.00 per 100.

EDW. J. TAYLOR, Southport, Conn.

NEW WHITE CARNATION May Naylor

Just what we have all been looking for. A first class commercial white of good marketable size, very productive, perfect shaped flower, of good form and substance. A calyx that never splits under any conditions. Rich clove fragrance. A good strong grower and brings the first price in New York market. Price, $10.00 per 100; $75.00 per 1000.

FLORIANA

Now fast taking the lead as a first-class pink. We have a large stock of this variety and can furnish rooted cuttings in any quantity. Price, $3.00 per 100; $25.00 per 1000.

FILLOW & BANKS, Westport, Conn.

CARNATIONS

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000
Lawson	$2 00	$15 00
The Marquis	2.00	15.00
Dorothy	2 00	15.00
Guardian Angel	1 25	10 00
Genevieve Lord	$1 25	$10 00
Nelson	5 00	40 00
Cressbrook	4 00	35 00
Triumph	1 25	10 00
Higinbotham	5 00	40 00

RED.

	Per 100	Per 1000
Adonis	14 00	120 00
Harlowarden	12 00	100 00
Estelle	3 00	25 00
G. H. Crane	2 50	20 00
Palmer	4 00	30 00
Mrs. L. Ine	1 25	10 00
Chicago (Red Bradt)	2 50	20 00

WHITE.

	Per 100	Per 1000
Flora Hill	1 50	12 50
Queen Louise	2 50	20 00
Peru	1 25	10 00
White Cloud	1 25	10 00
Hoosier Maid	1 25	10 00
Murphy's White	6 00	50 00

VARIEGATED.

	Per 100	Per 1000
Mrs. G. M. Bradt	$2.50	$20.00
Gaiety	$3.00	$25.00

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Liberty	$8.00	$75.00
Pierre De Notting	8.00	75.00
Kaiserin	4.00	35.00
Bridesmaid	4.00	35.00
Bride	$4.00	$35.00
Golden Gate	4.00	35.00
Perle	4 00	35.00
Sunrise	7.00	65.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants or cuttings of any variety. No plants or cuttings sent by mail.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

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Orders from unknown parties must be accompanied with cash or satisfactory references.

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BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

Allegheny, Pa.—E. C. Reineman, 305 Lowry St.
Baltimore.—E. A. Seidewitz, 36 W. Lexington St.
Boston, Mass.—Francis J. Norton, 61 Mass. Ave.
Buffalo, N. Y.—D. B. Long, 13½ E. Swan St.
Chicago.—Robert Johnstone, 2361 N. 40th Ave.
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Springfield, Mass.—W. F. Gale.
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Toledo, O.—C. J. S. Phillipps, 115 St. Clair St.
Toronto, Ont.—Thos. Manton, Eglinton.
Washington.—C. W. Wolf.
Worcester, Mass.—C. W. Russell.

Deceased.

J. Frank Green, of the firm of Green & Underhill, Watertown, N. Y., died March 29, aged 46 years.

Society of American Florists.

Meeting of the Executive Board.

The executive board held its regular Spring meeting at Milwaukee, Wis., on March 17-18, 1903. They found a degree of enthusiasm prevalent in Milwaukee and in Chicago that promised well for a record-breaking convention next August.

The convention building which the local club had recommended for the meetings and exhibition was found to be admirably adapted for the purpose and with an area of available exhibition space such as the Society has never before had at its command. The building is centrally located, occupying the block bounded by Fifth, Sixth, State and Cedar streets.

The facilities for the bowling tournament and similar pastimes which are a prime attraction for many of the Society members, were found to be unprecedentedly ample and well adapted. there being sixteen fine alleys in the building which will be secured for the exclusive use of the bowlers on the day of the contest.

The program, as far as completed, provides for the opening sessions of the convention to take place at 3 P. M. Tuesday, August 18; the President's reception on the evening of the same day; an illustrated lecture on the evening of the second day; papers and discussions at the various sessions upon the following subjects: Decorative Planting About Suburban Homes; A System of Accounts for Greenhouses and Forms for Determining Cost of Production; Latest Advances in Greenhouse Construction; The Humorous Side of the Florists' Business; Promising Substitutes for Coal and Their Record to Date; Cooling Processes and Their Value in Keeping Cut Flowers; Violet Culture in the West, and Modern Methods in Floral Decoration. Bowling tournament on Wednesday afternoon; shooting contest on Thursday afternoon, and a good time with the local brethren on Friday.

It was voted that another opportunity be given growers and dealers in American-grown forcing bulbs to exhibit their products without charge, as at Asheville, the bulbs to be retained by the Society for testing purposes.

It was decided to continue the offering of silver and bronze medals for new and meritorious plants and flowers through the agency of other societies holding regular floral exhibitions, as in recent years, but hereafter no medal can be issued more than once for any one thing. Should a duplication in awards occur, as has happened several times in the past, the secretary shall issue but one medal, priority of notification from the awarding society securing this, and all duplications being covered by the issuance of certificates of award.

The problem of how to keep members interested in the work of the society while in session received special attention, and it was finally decided that the president be authorized to appoint a sergeant-at-arms with two assistants, whose dutv it shall be to enforce the rules regarding the management of the trade exhibition, to insure as far as possible prompt and full attendance at the sessions and maintain order in and about the convention.

Appointments were made by the president and confirmed by the board as follows:

Superintendent of Trade Exhibition F. H. Holton.

Legislative Committee—J. N. May, Robert Craig, J. K. M. L. Farquhar.

Botanist—Dr. N. L. Britton.

Entomologist—Professor L. O. Howard.

Pathologist—Professor A. F. Woods.

Committee on Sports—P. J. Hauswirth, C. C. Pollworth, F. Schmeling.

The following final resolutions were adopted by a unanimous vote:

"We, the members of the Executive Committee of the S. A. F., in annual meeting assembled in Milwaukee, March 18, 1903, desire to express and hereby put on record our hearty appreciation of the courtesies extended to them by the Florists' Club of Milwaukee, by the management of the Plankinton and Pfister hotels, by the daily press of Milwaukee, and also to acknowledge the hospitality shown us by our brethren while passing through Chicago and the courtesies extended by the American Florist Co."

WM. J. STEWART,
Secretary.

Sergeant-at-Arms for S. A. F.

From the report of the minutes of the meeting of the executive Board of the S. A. F., held at Milwaukee last month, furnished by Secretary Stewart and appearing on this page, it will be learned that the directors have authorized the president of the Society to appoint a sergeant-at-arms and two assistants, "whose duty it shall be to enforce the rules regarding the management of the trade exhibition, to insure, as far as possible, prompt and full attendance at the sessions, and maintain order in and about the convention."

We believe this to be an admirable, appropriate, and necessary innovation; and have no doubt it will be so regarded by all who are of the opinion that rules are made to be enforced, not disregarded, and who attend the annual conventions of the S. A. F. to obtain the greatest benefit accruing from the business meetings, as well as from the trade exhibit itself.

The rules regulating the exhibition, the intent of which is now to be carried out, are as follows:

11. The exhibition shall be closed between the hours of 2 and 4 P. M. on the first day of the convention, during which time the judges shall pass on the exhibits, and they shall report promptly to the secretary on the same day. Exhibitors shall be excluded from the hall while the judges are at work.

13. Doors of the exhibition shall be closed five minutes before the opening hour of each session of the Society, and remain closed during the session.

These rules, originally instituted to serve a useful purpose, have, unfortunately, been "more honor'd in the breach than the observance," frustrating to a great extent the attainment of the object for which they were inaugurated. Their strict enforcement will in no way militate against exhibitors, each one of which will be placed on an equal footing, something which does not happen when less stringent methods are employed.

We do not lose sight of the great value of the trade exhibit as an auxiliary of the annual convention; nor would we endorse any movement calculated to curtail the privileges, or hamper the business realizations or expectations of exhibitors. We are of the opinion, however, that the rights of these exhibitors will be best conserved when the rules under which they contract with the Society to take space and stage goods are fully observed, such rules having been made operative for that very purpose.

The primary object of the annual convention is the transaction of the business of the S. A. F. in the best possible manner; so that the benefits resulting from the deliberations of the delegates shall be of the most comprehensive and far-reaching character; and this can only be attained when every delegate present does his part to accomplish it—by attendance at the sessions and active participation in the work in hand.

Heretofore, the conduct of the S. A. F. delegates in session assembled has been most exemplary; and the office of a "Black Rod," had such a functionary been in existence, would have indeed been a sinecure. Yet there have been times when thoughtless or inconsiderate individuals have congregated in coteries in the convention room, whose audible debates on self-interesting subjects, separate and distinct from those of the Society, have proved most tantalizing and detrimental.

At the Milwaukee meeting, too, the convention room and exhibition hall adjoin—a condition which renders a rigorous enforcement of the rules quoted imperative. Weighty matters will engage the attention of the delegates in August next, and these subjects can best be handled when perfect quiet reigns in the environments of the deliberators.

"Let us have peace" will no doubt be the watchword of the stalwart sergeant-at-arms to be appointed, and the mighty men who will aid him; and the less the necessity of their services the greater the benefit to be reaped generally from their strenuous supervision of the Society's sessions.

New York's Plant Market Again.

Each recurring Springtime demonstrates more forcibly than its predecessor the great need of some suitable market being provided in which to dispose of the products of the plantsmen plying their vocation in the neighborhood of New York, who look to this particular branch of the trade for a livelihood. And this year the need is more pronounced than ever on account of the demolition of the old Clinton Market, at Canal and Washington streets, which for a few seasons back has been used by the Spring plant growers as a mart. A movement has been instituted by those interested to induce the municipal authorities to provide comfortable and appropriate market quarters for the plantsmen, but the effort is not meeting with that degree of success which would be expected, nor which the beneficent character of the business demands. All that has, so far, been accomplished is the clearing away of the rubbish of the ruined structure, and the rendering available of open air space on which the market men may stand their stock every morning.

This is a condition not at all creditable to the governing body of the metropolis. New York is far behind the older cities of the Continent of Europe in this respect. London, Paris, Berlin and other capitals of European countries have ample marketing provision for the products of the florists, in the form of large roomy structures, appropriately equipped for such a purpose. The powers that be and the public over there recognize in the florist a factor that is doing far more for the amelioration of human kind than some institutions that are promoted and maintained by appropriations from the public purse for their generally believed uplifting and upbuilding influences. Appeals to have our own authorities view the matter in a similar light and act accordingly have for years been in vain. New York is still without its proper plant market.

What public or political shortcoming refuses or delays to do, private enterprise should at once take hold of and carry out. We are of the belief that sufficient capital could be secured within the trade and outside of it, to purchase a favorable site and construct thereon a building for market purposes, properly equipped, that could be operated at a profit to the investors The initiative should be taken by some outside party, or parties, fully alive to the necessities of the case; competent organizers, who could put in motion the machinery necessary to a successful culmination of the project.

The tendency to centralize, the desire to "get together" existing among those engaged in the cut flower branch of the business leads to the belief that, were such a building erected, these men, too, would seek quarters there, doubtless at a financial benefit to themselves, from the viewpoint of rent and otherwise.

To further plead with, petition or pray the city authorities to appropriate funds for the erection of a structure for plant and flower market purposes, viewed in the light both of past and present experience, is a futile task that will end only in disappointment Private capital, private energy, brains and public spirit will cause to materialize in New York her much-needed and long-waited-for "Covent Garden," in half the time that politicians will take to bring the matter even to the attention of the Board of Apportionment.

Put not your trust in politicians gentlemen. Rely on your own resources to raise yourselves out of your present business-clogging condition.

Obituary

Dennis Salter.

Dennis Salter, a florist and market gardener of Pittsford, N. Y., died at his home on March 22. He had been a resident of Pittsford for forty years. He was 77 years of age.

Louis C. Knickman.

Louis C. Kinckman, of 1414 Broadway, Brooklyn, N. Y., died Wednesday, March 31, aged 53 years. The deceased had been engaged in the florist business for the past twenty-nine years. He is survived by two daughters and two sons. The younger of the sons, Louis, Jr., will continue the business.

E. B. Joseph.

E. B. Joseph, father of Miss Rosa Joseph, florist, passed away March 4 at his home in Pataskala, Ohio, in his eighty-seventh year, after being an invalid twelve years. He was for many years a gardener and small fruit grower of considerable local note.

Reflections on Current Topics.

Mr. Editor: I was somewhat astonished to read your comments under the title of "The Conviviality of the Craft" in a recent issue. It had always been my impression that you held radical views on the subject discussed, and I was therefore amazed at your inconsistency in advocating the "convivial spirit" as an indispensable adjunct of club meetings. I must take issue with you on that point. To my mind, a disbursement for liquid refreshments, teetotal or others, is a wanton waste of club funds that could be put to much better use; as for instance, the acquisition of books to form the nucleus of a horticultural library, or to lay the foundation of a fund to purchase or rent an exclusive club room. In all the clubs to which I belong, drinks are not doled out free; but each member troubled with a thirst has to buy the thing that quenches it.

From what I have recently read, too, it would seem that instead of endeavoring to promote the social habit, an advocacy of its repression would be more fitting and timely. In one of your Western contemporaries appears a report of a dinner tendered the S. A. F. executive committee in Chicago, at which "several libations were poured." I was sorry to read that—not on grounds of mere sentiment, but that those to whom we look to lead us in society matters in general should have cast upon them a stigma unworthy of resting on men in their position.

[Our correspondent takes this matter too seriously. The libations were poured from a coffee pot, not long-necked bottles.—Ed.]

It was only natural that the Scotchman you quoted should flee to his favorite Burns for support of anything savoring of conviviality. The men beyond the Tweed find a never-failing argument in the rantings of the bard who lost no opportunity to sing in praise and condonation of the habits that stigmatize his countrymen. That is probably one of the reasons why they adore him.

[Nevertheless, there are some, both Scotch and others, who are not worthy to unloose his shoe latchet.—Ed.]

⁂

I have been looking for some report on that peony matter, telling us what the executive committee of the S. A. F. did regarding it, as the secretary of the "alleged Peony Association of the S. A. F.," in one of his several communications, led us to believe it would be discussed by that august body—I mean the executive committee. However, nothing has yet appeared anywhere, as far as I have observed. I noticed that a long list of Japanese peonies, many years in commerce, had been registered by the so-called "association," and also, "provisionally," until March 23 (I wonder what happened on that specific date), by the S. A. F. itself. The thought struck me, and I reflected, what's the use, or need, of double registration—particularly by the S. A. F. and an "association" of the same Society—of the same materials?

Then a bright idea struck me, that after all there might be some virtue in the creation of an association like that now said to be devoted to the peony. The aforesaid secretary says the men now working in the interests of that plant are doing so for the love of the thing, and at a disadvantage in loss of time, etc., to themselves. Here's a chance to save money to the S. A. F., thought I. Why not establish associations devoted to the interests of every horticultural staple within the purview of the National Society; appoint presidents and secretaries of these, possessed of the same public spirit and generous character; give these secretaries charge of the registration of old and new plants included in the special line under their supervision, and other appurtenances that pertain to secretaries generally, and dispense with some of the officials of the S. A. F? There would be little need of a society that but does the work of "associations" of itself, provided we had a sufficient number of such "associations" to keep things going straight. Will it come to this? It may; if the men interested in every trade staple demand—as they are equally entitled to do, with those booming the peony—an "association" of the S. A. F. to push along the plants in which they have largely invested. That is merely the opinion of JOB.

Contents.

PAGE

Adiantum Croweanum (Illus.) ... 406
Adiantum "Hybridum" (Illus.) ... 406
Azalea amoena (Illus.) ... [illegible]
Briefs for Busy Florists ... 404
Canadian News ... 395
Changes in Business ... 398
Exhibitions ... 404
Exochorda grandiflora (Illus.) ... 407
Firms Who Are Building ... 398
Judicious Planting for Suburban Homes ... 405
Lilac Marie Legraye (Illus.) ... 404
Market, Review of the ... 407
New York's Plant Market Again ... 402
Nursery Department ... 393
OBITUARY:
- Dennis Salter, L. C. Knickman, E. B. Joseph ... 403

Pamphlets Received ... 403
Question Box ... 404
Reflections on Current Topics ... 403
Seed Trade Report ... 391
S. A. F. O. H. Executive Committee Meeting ... 402
S. A. F. O. H., Sergeant at Arms for ... 402
Texas Flower Shows ... 404
TRADE NOTES:
- Boston, St. Louis ... 395
- Orange, N. J ... 398
- Philadelphia ... 406
- Hartford, Conn., New York ... 407
- Buffalo, Cincinnati, Indianapolis, Kansas City ... 408
- Salt Lake City ... 409
- Chicago, Louisville ... 413
- Irvington, Tarrytown ... 414

PAMPHLETS RECEIVED.

CUCUMBERS UNDER GLASS. By Professor George E. Stone. Bulletin 87, Hatch Experiment Station, Amherst, Mass. Treats on the types of greenhouses, cultural methods, diseases and insects, etc. Professor Stone says: "The cheapest and most economical house to build and operate in the production of cucumbers is an even or two-thirds span house of large dimensions, such as is most frequently used by lettuce growers. If a side hill with a southern slope were available, an economical house, well lighted and easily heated, could be built.

Too light colored cucumbers do not command as high a price as those well colored, consequently they are not so desirable. The fruit of the Hybrid (White Spine × Telegraph) possesses more color than the White Spine, and on this account is preferred by many. Sometimes the White Spine becomes abnormally light, which is believed to be due to the absence of certain fertilizers in the soil. Many growers believe they obviate this trouble by using nitrate of soda as a fertilizer. Care should, however, be exercised in its use. Too heavy doses restrict root absorption, thus causing a wilting of the foliage. It would seem desirable to put on nitrate of soda in a liquid form with some such device as the Kinney Pump. A solution containing one part of nitrate of soda to eight hundred or one thousand parts of water can be used occasionally and constitutes a desirable form to apply.

The White Spine cucumber is probably the most productive of any strain grown under glass.

Parties interested will find this bulletin of great value.

Some Corrections.

The Easter price of Fancy Ferns in our advertisement on page 384 of last week's issue should read $1.75 per 1000, instead of as printed.

MICHIGAN CUT FLOWER CO.,
Detroit, Mich.

The initials in Mr. Horsford's advertisement of hardy plants, page 338 of last issue, should have been F. H., not H. S. The address is Charlotte, Vt.

Through a misunderstanding the following items were omitted from the advertisement of Byer Bros., Chambersburg, Pa., on page 347 of last week's issue: Verbena Giant, 10 kinds R. C. 50 cents per 100; $4.50 per 1000. Petunias, double, 15 fine sorts, R. C. $1.00 per 100.

INDEX OF ADVERTISERS

Allen J K ...411
Altick H M ...409
Amling E C ...413
Anderson & Christensen ...396
Andorra Nurseries ...392
Aschmann G ...397
Austin H ...391
Bader J ...396
Baker W J ...412
Bartram J H ...400
Bassett & Washburn ...400
Bayersdorfer H & Co ...416
Beach Jas E ...401
Berckmans P J Co ...392
Beckert W C ...390
Berger, H. H & Co 391-99
Bernheimer E ...412
Berning H G ...413
Blaauw J & Co ...391
Black C ...392
Bloom J S ...409
Blue Hills Nurs ...392
Bobbink & Atkins ...389
Bock W A ...396
Bonnot Bros ...411
Boston Letter Co ...414
Bradshaw & Hartman ...411
Brown Bros Co ...392
Brown E C & Co ...414
Brown P ...409
Buckbee H N ...409
Burpee W A & Co ...390
Butz W T & F P ...396
Byer Bros ...409
Cal Carn Co ...391
Carmody J D ...415
Chicago Carn Co ...400
Childs J L ...397
Chinnick W J ...391-94
Clucas & Boddington ...389-95
Coldwell Lawn Mower
Comstock & Lyon ...392
Co ...416
Conard & Jones Co ...399
Connell, B ...399
Cottage Gardens ...399
Cowee A ...390
Cowee W J ...414
Cowen's N Sons ...416
Craig R & Son ...400
Crooke J J Co ...410
Cunningham J H ...409
Curwen J ...394
Cut Flower Ex ...411
Dailledouze Bros ...401
Darling C T ...400
Davis A B & Son ...391
Deamud J B ...413
Dehn, C ...399
Deming Co ...408
Den Ouden H & Son ...391
Dietsch A & Co ...415
Diller Caskey & Co ...415
Dillon J L ...394
Dillon G'house Mfg ...415
Dunmock A ...397
Dingee & Conard Co ...390
Dorner F & Sons Co ...400
Dreer Hy A ...393-96-416
Dumont & Co ...412
Eichholz H ...394
Eisele C ...416
Eisele J G ...396
Eisele W C ...391
Elizabeth Nurs Co ...391
Elliott W & Sons ...390
Elliott W H ...389
Emmans Geo M ...396
Endtz Van Nes & Co ...392
Falls City Wire Wks ...415
Farquhar R & J Co ...390
Felthousen J E ...409
Ferris Dean ...397
F & F Nurseries ...392
Fillow & Banks ...401
Florists' Hail Assn ...415
Foley J ...414
Foley Mfg Co ...398
Foster L H ...396
Garland G M ...415
Ghormley W ...411
Giblin & Co ...414
Gullett W H & Sons ...400
Gunther W H ...410
Guttman A J ...411
Haerens Bros ...397
Hagenburger C ...397
Hammond J A ...411
Harris E ...409
Heacock Jos ...396
Heikes W F ...400
Helms Upton Co ...414
Herendeen Mfg Co ...415
Herr A M ...401-09
Herr D K ...409
Hermann A ...416
Hews A H & Co ...414
Hicks & Crawbuck ...410-11
Hill E G Co ...413
Hilfinger Bros ...414
Hill Top G'houses ...409
Hippard E ...415
Hitchings & Co ...416
Holton & Hunkel Co ...413
Hoopes Bros & Thomas ...400
Horan E C ...411
Hor'l Advertiser ...414
Howe, J. H ...390
Hughes G J ...394
Hunt E H ...413
Igoe Bros ...400
Invalid Appliance Co ...415
Jackson J H ...414
Jackson & Perkins Co ...390-92
Jacobs S & Son ...415
Jennings E B ...409
Jessamine Gardens ...393
Jewett City G'houses ...400
Johnson & Stokes ...391
Jones H T ...392
Joosten, C. H ...399
Kasting W F ...413
King Cons Co ...416
Koster & Co ...391
Kreshover L J ...408
Kroeschell Bros Co ...415
Krombach C ...396
Lager & Hurrell ...397
Landreth D & Sons ...390
Lang J ...411
Langjahr A H ...411
Lenker C ...392
Leonhard T ...400
Limbach C ...416
Little So. Floral Co ...400
Livingston Seed Co ...408
Lockland Lum Co ...414
Long D B ...414
Lord & Burnham Co ...415
Lovett J T ...393
Mader P ...394
Manhattan Supply Co ...398
Manger W & Sons ...391
Mathews G P ...409
McCarthy N F & Co ...412
McFadden E C ...408
McKellar & Winterson ...413
McManus J ...411
Michell H F ...391
Mills ...394
Moninger J C Co ...416
Moon S C ...392
Moon Wm H Co ...392
Moore, Hentz & Nash ...411
Moore W J ...412
Muno J ...413
Myers & Samtman ...400
Nat Board Trade ...410
National Plant Co ...400
Nelpp G F ...409
Newell & Ames ...396
N Y Cut Flow Co ...410-11
Niessen L ...412
Norwich Nurs ...392
Ouwerkerk P ...[illegible]
Peacock W P ...391
Pennock S S ...412
Perkins J J ...411
Phila Market ...410
Pierce F O Co ...414
Pierson F R Co ...389
Pierson S [illegible] Co ...416
Pinehurst Nurseries ...392
Pittsbg Cut Flow Co ...413
Pitzonka G ...393
Pollworth C C Co ...415
Quaker City Mch Co ...414
Rawlings E I ...394
Rawson W W & Co ...390
Rayner J I ...411
Reed & Keller ...414
[illegible] & Son ...392
Reid Edw ...412
Reinberg George ...413
Reinberg Peter ...401
R[illegible] J L Co ...414
R[illegible] & Co ...411
[illegible] Geo ...408
Robinson H M & Co ...408
Rolker A & Sons ...397
Rupp J F ...409
Saltford Geo ...411
Sander F & Son ...397
Schmidt J C ...391-94
Schmitz F W O ...390
Schultheis A ...396
Scott J ...397
Scott R & Son ...400
Shellroad G'houses ...394
Shepherd Mrs T B Co ...390
Sheridan W F ...411
Sim Wm ...394
Sinner Bros ...413
Slinn B S Jr ...411
Smith C ...411
Smith H J ...408
Smith N & Son ...394
Smith S V ...396
Smith W & T Co ...392
Soltau C ...409
S Cal Acclimatizing Assn ...397
Springfield Floral Co ...400
Steinhoff H C ...396
Stern J ...410
Stearns A T Lum Co ...415
Stoothoff H A Co ...407
Storrs & Harrison Co ...397
Stumpp & Walter Co ...390
Sutherland G A ...[illegible]
Swayne W ...400
Syracuse Pottery Co ...414
[illegible] J ...401
Thompson J D ...400
Thorburn J M & Co ...[illegible]
Thiele, G A ...[illegible]
Tobacco W & T Co ...414
Towell J ...396
Traendly & Schenck ...411
Utica Floral Co ...396-400
Vanhorne Griffen & Co ...416
Vaughan's Seed Store ...390-91
Vesey W J & M S ...400
Vick's J Sons ...390
Vincent, R Jr & Son ...390 391-392
Vreeland I D ...400
Waller L ...400
Warburton C ...400
Waverly Greenhouses ...[illegible]
Weber C S & Co ...416
Weber H & Son ...401-09
Webster Bros ...395
Weeber & Don ...390
Welch Bros ...412
W[illegible] F ...391
Weston H ...396
[illegible] & Co ...411
Whilldin Pottery Co ...411
Whitton & Sons ...396
W[illegible] Bros ...401
Winterich C ...394
Wittbold Geo Co ...397
Wood Bros ...394
Young J ...411
Young & Nugent ...411

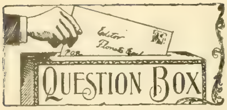
INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ...396
Achillea ...391-400
Adiantum ...394
Ageratum ...391-96-409-16
Alpine Plants ...392
Alternanthera ...409
Alyssum ...392-409
Ampelopsis ...392
Anemone ...394-95
Anthericum ...396-416
Araucaria ...389-96
Asparagus ...389-91-93-94-96-97-400-12-16
Asters ...390
Aucuba ...389-90
Azaleas ...389-91-92-93-96-97
Begonias ...391-94-97-409
Berberis ...392
Bougainvillea ...396
Bouvardia ...416
Box ...389-91
Bulbs (not named) ...413
Caladium ...390-95
Callas ...391
Campanula ...394
Cannas ...390-91-92-94-95-97-400-09
Carex ...394
Carnations ...394-96-400-01
Centaurea ...390
Chrysanthemums ...391-94-97-400-01-09
Cinerarias ...396-97
Citrus ...394
Clematis ...390-91-92-93-400-16
Cobaea ...390-416
Coleus ...390-92-96-97-409-16
Conifers ...391-92
Coreopsis ...391-94
Cosmos ...390
Cuphea ...394
Cut Flowers ...410-11-12-13
Cycas ...391-97
Cyclamen ...394
Cyperus ...390-400-09
Daffodils ...391-96-97
Dahlias ...390-91-94-95
Daisies ...394-97-409
Decorative Plants ...397-400
Delphinium ...391-94
Deutzia ...390
Dielytra ...393
Digitalis ...391-94
Dracæna ...394-96
Ericas ...396
Eulalia ...391
Evergreens ...389-92
Farfugium ...390
Fern Balls ...389-90-91-95-97
Ferns ...389-96-97-400
Feverfew ...394-416
Ficus ...389-92-96-409
Fuchsias ...394-96-97-409-16
Funkia ...372
Gaillardia ...391-94
Gardenia ...389
Gazania ...394
Genistas ...396
Geraniums ...390-91-96-97-400-09-16
Gladioli ...390-91
Gloxinias ...391
[illegible] ...394
Heliotrope ...[illegible]-94-409-16
Herbaceous Plants ...389-92
Honeysuckle ...394-400
[illegible] ...396-97
Hydrangeas ...389-91-93-97-400
[illegible] ...394-409-16
Iris ...392-95
Ivy ...391-92-94-96-401-16
[illegible] ...389
[illegible] ...392
Lantanas ...416
Lemons ...392-400
Lilacs ...393
Lilies ...389-90-93-96-97
Lobelia ...394-96-409-16
Magnolias ...389
Maples ...389-91
Manettia ...394
Maranta ...394
Narcissus ...391
Nursery Stock ...391-92
Orange ...392
Orchids ...397
Palms ...389-90-92-93-95-96-97-400
Pansy ...392-93-96-409-16
Peonies ...391-92-93
Periwinkles ...396-416
Petunia ...390-94-96-409-16
Phlox ...393-409
Phormium ...390
Pilea ...394
Plumbago ...400
Poppy ...394
Primula ...394-409
Privet ...392-93-94
Pyrethrum ...394
Rhododendron ...389-91-92-93-96-97
Romneya ...390
Roses ...389-91-92-93-94-95-96-97-400-01
Rudbeckia ...391-94
Salvia ...392-94-416
Sedum ...394
Seeds (not named) ...390-413
Selaginella ...394-96
Shrubs ...389-92
Small Fruits ...392
Smilax ...394
Snowballs ...389
Spiræa ...393-96-97
Stevia ...409
Stocks ...394
Swainsona ...394
Sweet William ...394
Tradescantia ...394
Trees ...391-92
Tritoma ...394
Tuberoses ...390-95
Tulips ...396-97
Vegetables ...390-91-92
Verbena ...392-94-96-409-16
Vincas ...392-96-400-09
Vines ...389-92
Violets ...394-400
Wistaria ...392
Yucca ...392

MISCELLANEOUS.

Auctioneers ...412
Baskets ...390
Boilers ...414-15-16
Books ...394-401-13
Collections ...410
Designs ...410-13-14-15
Fertilizers ...411
Florists' Letters ...413-14
Fittings ...415-16
Florists' Supplies ...410-12-13-14-16
Flower Pots, etc. ...412-14
Glass ...415-16
Glazing Points ...416
Greenhouse Bldg ...415-16
Gutters ...415
Hail Insurance ...415
Hose ...390
Insecticides ...390-407-14
Lawn Mowers ...416
Lumber ...414-15-16
Mastica ...414
Mushroom Spawn ...390
[illegible] ...414
P[illegible] Supplies ...416
Pipes, Joints and Valves ...414
Pr[illegible] ...414
Putty ...416
Sash ...415
Sprayers ...414
Stakes & Supports ...390-400
Thermometers ...414
Tile ...414
[illegible] ...414
T[illegible] ...414
T[illegible] ...415
Ventilators ...414-15-16
W[illegible] ...398
Wax Flowers & Designs ...410



Azaleas.

(83) G. E. F. Azaleas are hard-wooded flowering plants and have to be several years old before they are large enough for commercial purposes. They are grown extensively in Europe and are imported to this country in various sizes by wholesale growers and dealers. To have a stock for 1904, the plants can be purchased next Fall. Watch the advertisements in The Florists' Exchange, and offerings of azaleas will be seen in due season.

To Eradicate Chickweed.

(84) I have a piece of ground which I wish to use for pansies this Spring. It is full of chickweed. Is there anything I can use to kill same, and still have the soil ready for use in June?

S. E. B.

—Dig over the ground as deep as possible, turning the weed into the bottom, and it will cause no further trouble.

Carnations Going to Sleep.

(85) What causes my carnations to go to sleep? I do not fire now. The temperature is 50 to 55 degrees at night and at times 70 to 80 degrees daytime. If I cut the carnations to-day and send them to my wholesale florist to-morrow they all go to sleep. I have not got my glass shaded yet.

SUBSCRIBER.

—Discontinuing the fire so early in the season is no doubt the primary cause of the trouble. The house must have been kept quite close during the daytime to allow of the temperature reaching 80 degrees. Give more air and avoid such extremes of temperature, and the flowers will soon show better keeping qualities.

Physostegia Virginica.

(83) Over Mr. J. T. Lovett's signature we notice an article on Physostegia virginica (issue of March 21). Please state through the columns of your paper whether Ph. virginica or virginiana is correct, or which is more generally accepted.

C. BROS.

—The correct botanical name of Dragon's Head, or Lion's Heart, is Physostegia virginiana, but it has become known in common use as Physostegia virginica. Doubtless this shortening of name has occurred for brevity's sake; just as the Canna austriaca is now known as Canna Austria.

J. T. LOVETT.

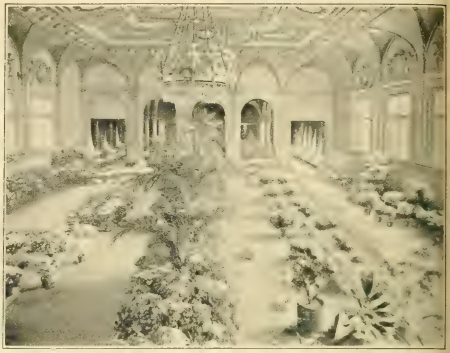
BRIEFS FOR BUSY FLORISTS.

EASTER PREPARATIONS. — The coming week will be a particularly busy one at those establishments where a growing and retail trade is carried on. The many flowering plants have to be got into shape for Easter delivery, and where the trade is such that fancy prices cannot be charged for pot covers, ribbons, etc., it is often a difficult problem how to send out the plants at Easter time, suitably trimmed, and still reserve a fair margin of profit. The use of ribbon is not an absolute necessity and, in many instances, can be dispensed with. A covering for the pot, however, is indispensable, and no plant should ever leave a florist's premises without one. Not only is a covering necessary to hide the earthenware, but to enable the recipients of the plants to handle them without soiling their hands.

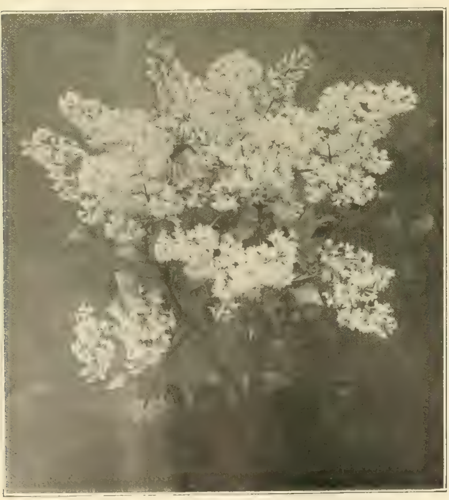
A very effective covering for large pots can be made with live sheet moss gathered from the woods. The moss should be pulled in good-sized pieces; then it is a simple operation to tie it around the sides of the pot, using a green cord, so that the cord will not show after the work is finished. The surface of the soil in the pot must also be covered with the moss, fastening it down with a piece of wire bent to the shape of a hairpin. For azaleas, roses, lilacs, or ericas, we know of no pot cover that is more decorative than one made with live moss.

Then there is a new pot covering material called Barkine. This we have only recently become acquainted with, and its very cheapness and neatness should recommend it to every florist. Barkine looks very nearly like the birch bark cover, and can be obtained in all sizes; and as the cost is only a few cents, according to the size, it will prove a great help to the busy florist.

Crepe paper can, of course, always be used at a minimum of expense; but the covers above mentioned can also be had for little cost and will add much to the variety of the stock in trade.



GENERAL VIEW OF MAIN EXHIBITION HALL, PENNSYLVANIA HORTICULTURAL SOCIETY.



LILAC MARIE LEGRAYE.

HERBACEOUS PLANTS.—If any planting of new stock is to be done this Spring, get at the work as early as the weather and condition of the soil will permit. In preparing the ground for these plants, one can hardly be too liberal in the treatment of the soil, if the best results are desired. As is well known, after the planting is done, the plants need not be disturbed again for several years; and it is well to bear that fact in mind when preparing the soil. Work it deeply, and give a liberal supply of well-decomposed barnyard manure at the same time.

OUTDOOR ROSES.—These will require some attention shortly, such as clearing away the mulch and straw that have been their protection through the Winter; also pruning them back according to their various needs. The hybrid perpetuals should have all their weak shoots cut out entirely; and the strong wood should be pruned back severely.

The tea and hybrid tea roses will not stand pruning so severely, and this must be borne in mind when the work is being performed. After the pruning is finished, tie each plant to a stout stick, and then cultivate the surface of the soil lightly, being careful not to go deep enough to disturb the roots.

Texas Flower Shows.

The various floral societies of Texas are making the usual preparations for the annual flower shows to be given this Fall, and premium lists, calculated on improvements on the year before, have been made and will be ready for distribution in a short time. The principal floral shows of the State will be held at Houston, Waco and Marshall, and from most points of view the managements of these organizations have every encouragement to go into it each year on a larger scale than in the year before. The Faith Home Association at Houston not only had a very creditable show last year, but realized a net profit in cash, of about $735. And the intention this year, as indicated by the premium list already formulated, is to offer some good prizes for carnations as well as the usual offers for chrysanthemums and other flowers. It is the impression that a little deviation from beaten paths will be acceptable to florists as well as the visiting public, and it is expected that many of the carnation growers of the more northern States will avail themselves of the opportunity to send carnations as well as the prize winning chrysanthemums they have been sending from year to year. It is also very likely that the show will be held three days this year instead of two as heretofore, with an additional length of program.

The Texas State Floral Society at Waco, was unfortunate last year in not making enough revenue from door receipts and other sources to pay off al premiums that were awarded, the deficit being about $240. It is now the intention of this organization to hold a Spring flower show, largely for the purpose of making enough money to clear off this deficit, that all premiums may be paid in full before the time of the Fall show. It is feared that unless these obligations are met the usua interest in the Fall show will be lacking. The program for the Spring show is now about arranged. Mr. Beach, the florist of Dallas, has been asked to act as judge, though his acceptance has not yet been made known.

The East Texas Floral Association o Marshall will have its premium lis out in a short time, and the intention is to make it on a much larger scale tha flowers may be drawn from all the States as far as possible as well as from Texas only, as heretofore. There is no part of the State better adapted for outdoor chrysanthemum culture than Marshall, and the success they have had heretofore from products of the immediate vicinity has been almost wonderful. This society is on a good financial basis, coming out about even in this respect from last year's show. As all their people are a unit in the work they have every reason for greater success than ever before.

S. J. MITCHELL.

Exhibitions.

The schedule of premiums for the fifth annual exhibition of the Tarrytown Horticultural Society, to be held Wednesday, Thursday, and Friday, November 4, 5 and 6, 1903, has been issued.

Edward W. Neubrand, Tarrytown, N. Y., is secretary.

Lilac, Marie Legraye.

This illustration is from a photograph taken February 13, 1903, at the establishment of Endtz, Van Nes & Co., Boskoop, Holland.

MANCHESTER, CONN.—The Hubbard place on Oakland street, which was bought years ago by Nehemiah Burr, a son-in-law of Mr. Hubbard, of Durham, this State, is being gradually transformed into a good-sized nursery. On the farm there are 40 acres, of which about 25 acres are suitable for planting purposes, and the ground has been ploughed and made ready for the many fruit trees, shade trees and shrubs of all descriptions. The work was begun a year ago. Clifford R. Burr, son of Nehemiah Burr, is to run the nursery. He will move from Hartford to Manchester about the 15th of April. Clifford R. Burr & Co. have a nursery in West Hartford and the nursery on Oakland street will be run in connection with it.

Value of Judicious Planting for the Suburban Home

Read by Samuel C. Moon, before the Farmer's Institute at Philadelphia, February 11, 1903.

If any proof were needed that the judicious planting of trees and shrubs about suburban homes increases the value of those homes it is found in the public advertisements of such property. When we see suburban homes advertised for sale, if the facts in the case will warrant the statement, mention is pretty sure to be made of one of the important recommendations of the place—that it is well supplied with shade and fruit trees. Here is a practical demonstration of the truth of the subject assigned to me. It is a fact generally recognized, that the tasteful and judicious planting of fruit and ornamental trees enhances the value of real estate more than an equal amount of money invested in any other way.

The question then arises how to plant tastefully and judiciously.

By tasteful and judicious planting we mean such selection of trees and plants, and such arrangement of them in the grounds, that the comfort, convenience and landscape effects will be most pleasing to those who occupy the premises and must view them most. Pleasing to them from various viewpoints; pleasing to their eyes under varying conditions of season and weather; pleasing to them as soon after planting as may be practicable, and continuing to satisfy with increasing pleasure as the plants grow and develop through a long period of years.

This, of course, recognizes that there must be varied styles of planting to suit different tastes, temperaments and habits of life. Some prefer to plant their grounds with fruits, while others would plant for shade, or ornamental effect; while in some suburban grounds there is only room for rudimentary efforts in garden work. But there is scarcely any dooryard so small but it may have at least a lilac or a box bush in a corner, or a bed of herbaceous plants, along a path, or a clump of hardy ferns on the shady side of porch or house.

Such work necessarily involves more knowledge of trees and plants and of gardening work than many owners of suburban homes possess. To these I wish to extend at the outset a word of encouragement, and tell them that they will find the study of their own home grounds, and of trees and plants, and of garden work as related to their individual needs, pleasant and profitable. It will necessarily lead them into closer observation of tree and plant life, and into more intimate acquaintance with the ever-changing appearances and developments of vegetable growths from month to month, and from year to year.

I wish to encourage the idea that the adornment of the home grounds, whether large or small, should be a continued object lesson in nature study, and the outgrowth of this study should be worked out in the home grounds and beome an expression of the personal tastes of those who occupy them Home-makers should be, as far as practicable, their own head gardeners. If they have any taste for rural beauty, or any knowledge, be it ever so small, about gardening work, let them cultivate their gift by exercising it. Let them learn all they can from nurserymen, gardeners and professional men, but learn still more from what they see in the world around them.

The planting of a lawn is not a job to be commenced and finished in a week, or even in one season; but may with advantage be the work of years. It must be a growth, and must be watched and studied and treated as development progresses. It is impossible to designate one tree or plant or any list of trees or plants as the best for any use or position, without knowing the conditions involved, and even then the question of best is often a matter of personal taste or opinion.

There are desirable and objectionable features connected with almost every tree, rendering it valuable or unsuited to certain localities or situations.

From a study of neighboring lawns much can be learned of the right and the wrong of garden designs and garden work. Visits to public and private parks and nurseries will show some of the possibilities of natural and of artificial gardening. Watchful observation of trees and shrubs in lawns and woods throughout the year, from the first bursting of buds in Spring till the fall of leaves in Autumn, will disclose new points of advantage or disadvantage of one tree or plant over another for a special use or for some particular location which needs improvement. Observation will show which trees are long livers and retain their beauty and increase in value through long series of years or centuries, and the advantage of such trees over short-lived species, which sprout up quickly and in a few years begin to decline or disfigure the grounds which they should adorn. A wonderfully instructive object lesson of this kind is seen in Fairmount Park along Elm avenue, where the Centennial Exhibition buildings stood in 1876. On these grounds there are now growing thousands of trees of from 25 to 30 years' growth, which were planted in their present position about 1883. In this collection are found a score or more of different species of oaks, with elms, lindens, maples, planes, poplars, beeches, birches and other less common species.

AZALEA AMŒNA.

EXOCHORDA GRANDIFLORA—PEARL BUSH.

The opportunity here afforded for a comparative study of the growth of trees is invaluable, and should be appreciated by all who have to do with tree planting. Here we see that oaks that were formerly considered to be too slow of growth to be available for street planting, or for general use in lawns, have in twenty years outclassed the lindens, maples and poplars, which have been so largely employed in suburban districts because they grow vigorously, developing rapidly soon after transplanting. But it has been found that any advantage which these quick growers may show at first is but for a few years in their early life, and that in the long run longer-lived trees are decidedly preferable for use about suburban homes.

I would in the strongest terms encourage a more general planting of oaks, particularly those of the white oak class, including the white, swamp white, burr or mossy cup and red oak. Tulip, poplar, Kentucky coffee, beech, buttonwood and elm are also desirable long-lived species, which will grow and improve in character and beauty for centuries. Such trees afford pleasure to their planters through life, and will be left as valuable assets to their children and to children's children for generations to come.

Great loss is sustained in many country homes to-day because the plantings about them, made from 30 to 60 years ago, was so largely of silver and ash-leaved maples and other soft wooded trees, which have passed their prime and are rapidly declining, or are already dead and gone. Too many of our octogenarian neighbors, who planted trees about their homes when they were young men, instead of now having splendid vigorous trees in the prime of life to shade their hoary heads, trees which they could bequeath with pride to posterity, can look only into the straggling tops of feeble trunks, whose lives, like their own, are nearly spent.

While the silver-leaved maple is a good tree in its way, it is comparatively short-lived, and after it passes beyond the youthful beauty of its first twenty-five years of growth, it usually assumes a homely, sprawling shape, and gradually declines. Before reaching fifty years of growth it presents such an appearance that almost every planter would rather have any one of the trees named in the above list in preference to it.

But much worse than silver maples are those rank weeds, the Carolina poplars, which are to-day disfiguring so many streets and lawns where something more suitable, prettier and better adapted to the purposes intended should have been introduced. Therefore, I say, don't plant silver maples without first ascertaining whether they are the best trees for the position, and never plant Carolina poplar about suburban homes; that is, hardly ever, except it may be as a temporary makeshift to fill up space while something better is getting under way; and then do it with that sense of shame which you would feel in using any kind of inferior goods which you think is beneath your true dignity, and then by all means cut them out before they injure or ruin more valuable permanent plants.

Trees and shrubs with evergreen foliage should enter prominently into the planting about suburban homes. In many sections this feature has been too much neglected. They afford an enlivening tone of color amid the somber hue of Winter landscapes which is very pleasing to the eye.

(To be continued.)

Azalea Amoena.

The pretty bush evergreen Azalea amœna is one of the best known of all the family. It is so unlike any other. And then, being hardy and evergreen, is so much in its favor, to say nothing of its lovely rose-colored flowers. Rose color is said, though the exact color depends on situation; sometimes it is almost crimson.

In very severe Winters the foliage will be a little damaged, but the wood rarely. As soon as the sap rises in Spring the flower buds begin to expand, and by May this bush is in its glory when in vigorous condition.

As with all azaleas, it stands pruning well, and when it gets old is much improved by being cut well back. And it likes good food, too. Feed it well and prune it occasionally and vigorous shoots result, which give abundant bloom.

The specimen illustrated has grown pretty much at will, and is seen in a natural condition, and it cannot be bettered. This fine shrub is a native of China, and is among the hardiest of the many shrubs from that country.

Exochorda Grandiflora.

Until a comparatively recent period the exochorda was not to be found in quantities in any nursery. It is different now, as the plants first distributed produce seeds freely, and any one having a large bush or two of it can soon raise a lot of seedlings. Beautiful as this bush is when in flower, nurserymen say it requires either a knowledge of its merits or confidence in the nurseryman's integrity to sell it when in a dormant condition, as then its appearance is not striking. There are other shrubs of the same nature. Such a grand thing is this exochorda when in bloom that one is quite justified in compelling a customer to add it to his collection.

The illustration shows but a fair specimen. Plants are often clothed with flowers from the ground, and of beautiful shape. Its common name, Pearl bush, has been given it because of the lovely pearl-white blossoms. In former times this shrub went under the name of Spiraea grandiflora.

Another species, Ex. Alberti, by many lauded as superior to this one, is quite the reverse, as it grows here.

JOSEPH MEEHAN.

Fern Hybrids and Hybridizing.

By Willard N. Clute, Editor of the Fern Bulletin.

While it is quite possible to hybridize ferns, this operation is much more difficult than in flowering plants, for the reason that ferns bear no flowers. The nearest that ferns ever come to producing flowers is found in the so-called prothallium, the tiny green scale-like body which all florists have seen growing on shady walls in the greenhouse, or clinging to pots that have not recently been moved.

This prothallium contains the sexual organs, and is the part of the fern used in hybridizing. It arises in the following manner: As most fern leaves mature, they bear on their under surfaces certain small dots or lines that are often mistaken for insects by the uninitiated. These are the "fruit-dots," and to make out their nature requires at least a simple magnifier. It is then seen that each dot consists of twenty or more tiny stalked globes. Inside these globes are numerous very small bodies called spores, and each spore, when ripe, if it alights in a favorable spot, will germinate and form a prothallium, and the prothallium eventually produces a new fern plant.

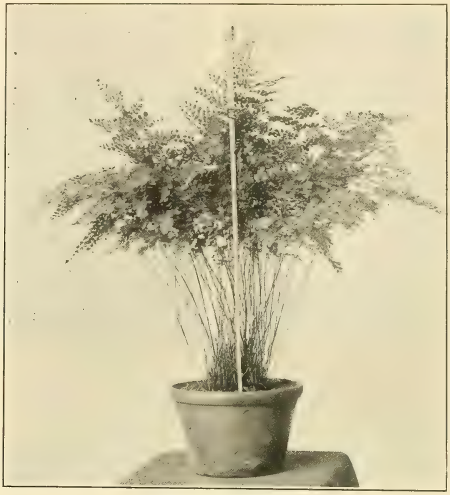
The prothallium is heart-shaped, or notched at one end, and near the notch tiny, hairlike growths fix it to the soil. On the under surface, near the notch, are borne small bodies known as archegonia, which may be roughly likened to the pistils of flowering plants, while beyond them are other bodies called antheridia, which in the same way answer to the stamens, though they are not identical with them. And just as in flowering plants, the pollen from the stamens must reach the ovules in the pistils to fertilize them, so in the ferns a union of the contents of antheridia and archegonia are necessary to produce a new fern.

The small size of the prothallium and the proximity of the two sets of organs make the chances of natural crossing exceedingly remote. It is quite possible, however, that by sowing spores from different species thickly together some crossing might result, for in certain plants allied to the ferns some spores invariably produce male organs (antheridia) and other female organs (archegonia) only.

Artificial crossing is much more certain, and the remarkable tenacity with which the prothallium holds to life and endures mutilation is much in the hybridizer's favor. The sexual bodies are usually borne on the dark underside of the prothallium, but expose this to light and they will be borne on the upper surface. Cut the prothallium in sections and each section will set up an independent existence; remove the sexual organs and others will be produced. If the archegonia are prevented from being fertilized the prothallium will live on almost indefinitely, waiting a chance to complete its office. Specimens have been kept in this way for seven years.

Taking these facts into consideration, the fern hybridizer usually sections the prothallium in such a way that each section bears only one kind of organ. Then by planting the section of one species containing only archegonia close to the section of another species containing only antheridia, if a new plant results it is necessarily a cross, provided the sections have not developed more of the lacking organs for themselves in the meantime. Careful work of this kind, however, is likely to bring results if the species used can be crossed. In general, ferns follow the same law as flowering plants, and species in the same genus are more easily crossed than species from different genera. Experiments along this line will afford the curious an interesting field for investigation.

An interesting instance of a fern hybrid's bearing upon botanical science is found in the case of the rare fern known as Asplenium ebenoides. In all botanical manuals this is set down as a good species, but there has always been a suspicion that it is a natural hybrid—a theory which its extreme rarity and irregular occurrence seemed to bear out. Its indicated parents were Asplenium ebeneum, and the walking fern (Camptosorus rhizophyllus) members of totally different genera. Acting on this suggestion Miss Margaret Slosson recently planted sections of the prothallia of these two ferns together, and had the satisfaction of raising, not Asplenium ebeneum, nor the walking fern, but true Asplenium ebenoides. Thus, after nearly fifty years, this fern has been proved to be really a hybrid.



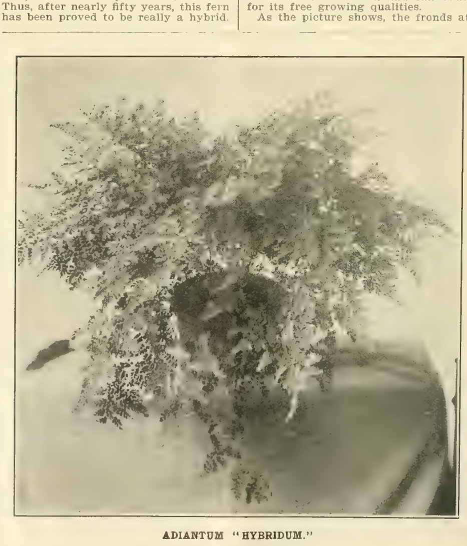
ADIANTUM CROWEANUM.

Grown by Peter Crowe, Utica, N. Y.

Adiantum Croweanum.

The fern illustrated originated with Peter Crowe, of Utica, N. Y., several years ago and has proved to be one of the best adiantums that can be grown for cut frond purposes. During the month of September, 1902, we had the opportunity of seeing this fern at Mr. Crowe's establishment, and can vouch for its free growing qualities.

As the picture shows, the fronds attain a good length, and their usefulness among cut flowers is enhanced thereby. At the time of our visit, there were some 40,000 plants on the greenhouse benches, and the fronds produced were shipped to various dealers throughout the country. John I. Raynor, wholesale florist in New York City, handles several thousand of the fronds daily, and disposes of them at 50 per cent. better prices than those of Adiantum cuneatum will bring.



ADIANTUM "HYBRIDUM."

Grown by John H. Ley, Good Hope, D. C.

Adiantum "Hybridum."

The adiantum shown by the photograph was raised and introduced into commerce by John H. Ley, Good Hope, D. C., several years ago, but being totally barren of spores, the stock was limited to a few hundred specimens. It is a very rapid grower, the specimen (about four feet through as illustrated) being planted on a bench from a two-inch pot in June, and potted into a 10-inch pan in September, 150 plants filling 600 feet of bench room. The fronds are very valuable for cutting, and realize a high price in New York.

The fern is a distinct cross between A. decorum and A. amabile.

C. W. W.

Philadelphia.

Warm Weather Causes Trouble.

The continued warm weather is causing lots of trouble to growers of Easter plants. Several have already sacrificed lots of bulbous stock. Hyacinths are probably in the worst fix. Around this city these plants are already in full bloom out of doors. Lilies are in bad shape with some growers. One large lot was cut and sent in to a commission man on Thursday, as they were too soft to keep longer. Many azaleas are also reported too far advanced. From present indications there will be a lot of cheap plants on the market next week, and those who can send their stock in in good condition will get good prices.

The retail stores appear to be more skeptical than ever about hydrangeas, and are buying these slowly, as they get so many complaints from customers about these plants.

In looking around, very little change is seen in the variety of Easter stock. Robert Craig & Son have, as usual, a very large supply of all kinds of flowering plants, among which are some well flowered Japanese cherries; also a very fine lot of azaleas, including many carried over plants, which this year have produced good heads of flowers. The firm is very strong in Crimson Rambler roses, spiræas and bulbous stock.

Wm. K. Harris has a very choice lot of plants, including large rhododendrons and a fine lot of azaleas; also a nice block of Bougainvillea Sanderiana, some clerodendrons, deutzias, dielytra and bulbous stock.

Jacob Becker has a choice lot of lilies, azaleas and roses in pots.

At Logan the Hugh Graham establishment has a tremendous stock of Easter plants—many more than their own store can use, so they are wholesaling azaleas, lilies, spiræas, etc.

Robert Scott & Son have as usual a grand lot of Crimson Rambler roses and lilies.

C. W. Cox deserves much credit, for after all the ups and downs of the past two years, he has on the market a good lot of spiræa and hydrangeas.

Jottings.

The business of the late Hugh Graham, including the retail store on Thirteenth street and the greenhouses at Logan, will be conducted as the Hugh Graham Estate, and managed jointly by Wm. Graham and Hugh Graham, Jr.

Evidently there is a lot of business ahead for florists. There never were so many social affairs booked before, during the three weeks following Easter as this year.

DAVID RUST.

WASHINGTON, PA. Joe Seaman, who has conducted a cut flower store at 117 South Main street, has sold out to Lloyd Swarthout. Mr. Seaman will assume the active management of the combined stores. Mr. Swarthout will move to 60 South Main street, has sold out to Lloyd devote the greater part of his time to the management of the Forrest greenhouses, which are being greatly enlarged.

Review of the Market

NEW YORK.—As is usual the week before Easter, there has been a decided falling away in the demand for cut flowers of all descriptions. This with the pronounced increase in the quantity of roses coming in, has had a telling effect on prices, and, notwithstanding that American Beauty dropped from 30c. to [illegible]c. each, they have accumulated from day to day, and there is more stock on hand than can be cleared out at that price even. Within the last few days we have observed that the street corner florists have been offering special American Beauty flowers, with stems three feet or more in length, that had been bought at $6.00 a hundred. All roses, except red ones, are coming in much more plentifully than they have been for a long time, and present indications point to a huge supply for Easter week. The number of General Jacquimenot roses grown for this market does not begin to compare with the quantity that used to be grown for Easter, and it looks now as if red roses would be at a premium next week.

Carnations have been selling very unsatisfactorily, and the low prices of last week still rule.

Bulbous flowers are again more plentiful, and except for Emperor narcissus there is no fixed price at the present time. The variety mentioned brings 3c. each, while all others can be had at any figure almost.

The sunny weather lately is responsible for a great many lilies being on hand this week, and some low figures have been recorded. Orders for Easter delivery are remarkably heavy, however, and a jump in the price may be looked for any day.

Violets are either giving out for the season or the growers are commencing to hold back a little, as the quantity coming in has fallen off considerably. Prices have not changed materially since last week, and what they will bring next week is problematical. The weather during the next few days will have everything to do with the supply of violets for Easter. Should it come on warm the quality will be impaired and values will suffer accordingly. Pansies, sweet peas and stocks are all very plentiful. The scarcest thing in this market at present is good smilax.

BOSTON.—Business has been rather quiet this week, and stock has been accumulating at the wholesale markets. Everything seasonable is in plentiful supply, and in most lines there is an overstock, though the supply is not so heavy as is usually the case at this season of the year. Roses are going harder, and it is especially difficult to move the better grades. In American Beauty and Queen of Edgely a limited supply of specials reach $40,00 per dozen, but $35.00 is about the average price, and at these figures it is not always possible to dispose of the daily receipts. No. 1 and seconds sell with more ease at from $16.00 to $25.00 per 100, while the smaller ones are cleaned out at from $3.00 to $8.00. Bride and Bridesmaid are more plentiful again, and do not clean up so readily as they did a week or two ago. Specials make $12.50 per 100, with No. 1 at $8.00 and $10.00, and seconds and smaller grades at from $6.00 down to $2.00. Ulrich Brunner are now in very good supply and clean up very well at from $4.00 to $12.50 per 100. General Jacqueminot are coming along faster and meet with quite a good demand; specials reach $25.00 per 100, with extras at $20.00 and No. 1 $16.00; smaller ones range from $8.00 to $12.00. A few Souvenir du President Carnot are coming in of fair quality, and do pretty well at $4.00 to $10.00 per 100.

Carnations continue plentiful at much the same values as last quoted. The enormous supply of bulbous stock continues unabated and prices continue very low. Lilies are very plentiful at $6.00 to $10.00 per 100, and lily of the valley is in oversupply at $2.00 and $3.00.

Single violets have shortened up considerably, and thus a better market has been created for the doubles. Princes range from 50c. to 60c. per 100, with a limited supply of fancy stock realizing [illegible]c. per 100. Primroses, pansies, sweet peas and such flowers in small bunches find a good market; and arbutus, which is now coming in very fast, sells well.

The plant trade among the growers of Easter stock is well under way, and orders in advance are well up to those of former years. Another large plant Easter is looked for. F. J. N.

CHICAGO.—For the past week the market has been above the average for this time of the year. Local trade has been fairly active, while shipping business has been brisk. The supply of American Beauty roses is increasing, but the prices remain the same as heretofore. The best flowers are bringing $4.00 per dozen. The supply of Bride and Bridesmaid is increasing slowly and one finds them fairly well cleaned up at the close of each day's sales. The best grades are selling at from $5.00 to $8.00 per 100. Liberty is not coming in as freely as could be wished; there is rather a shortage of the better grades of this rose. Sunrise and Mme. Abel Chatenay are selling at the same figures as last week.

Carnations are not over plentiful, and the price is a trifle firmer than a week ago, fairly good flowers are selling as high as $1.00 per 100, both in the local market and for shipping, while some of the fancy varieties bring more. The inferior grades are selling for a great deal less. Of bulbous stock there is not so much coming in as a week ago, the price remains the same. Some extra fine lilies are to be seen in some of the commission houses; these are selling for the same price as what the majority quote as their Easter prices. Violets remain about the same as at last report, and the green situation is unchanged. The supply of sweet peas is on the increase, but for some reason these flowers are not selling as well as in former years, nor is the price to the grower as satisfactory. R. J.

ST. LOUIS.—The retail florists of this city have little to complain of during the Lenten season, as nearly everybody in the trade reports business as being good, with plenty of funeral work almost every day. The question at present is: Will there be plenty of good stock on hand in both cut flowers and blooming plants for Easter? as a great trade is expected in plants, also in cut flowers. Lilies will be scarcer than last year, so say some of our local growers. But a great many lilies will be shipped in. We hear that roses are expected to be in big supply, as nearly everyone had been off crop at the same time; this should make the supply large. American Beauty will be in fair supply, so will Bride, Bridesmaid and Golden Gate. As to prices for Easter on these, it's a little to early to quote.

Carnations should be in big supply and of good quality. The white varieties will be the scarcest, as they have been all this season. The prices will no doubt hold up, as they have done all this Winter.

All kinds of bulbous stock will be in plenty; they always are. The Southern single narcissus is in the market now in large quantities, with little demand for it.

Violets will not be plentiful, as they are already coming in small, and the market will be shy on them this Easter.

The plant trade out in the West End, where most of the plants are handled, is in fine shape. At Weber's are found as fine a lot of Easter plants as one would wish to look at. Miller's stock is also in good shape, his show house being filled with the best in the market. Along Grand avenue, Walbart and Mrs. Ayers' places are the attractions with their fine and large blooming plants all ready for their Easter trade. Both claim that their business during Lent was very good; in fact, they had all they could do.

Otto Koenig and Fred Meinhardt are well supplied for Easter with blooming plants. In the southern part of the city Schray and Beyer, two of our largest growers, and in good shape to supply the trade with fine plants of all kinds. Sanders and Windler, who furnish most of the trade with Easter stock, are also well pleased with the outlook. ST. P.

INDIANAPOLIS, IND.—The market has recovered from the warm weather prevailing last week. Bulbous stock with the present weather can be controlled until the Easter rush. While there has been a great deal of anxiety over flowers for Easter there will no doubt be an abundance of all kinds of material, with the possible exception of carnations, which are now equal to the regular demand. Roses have moved along well, especially Bridesmaid and Bride. The prices remain about the same as during the past two weeks: $1.50 to $2.00 per dozen for Bridesmaid, Bride and Sunrise; Liberty, $3.00 per dozen; American Beauty, $2.00 to $9.00 per dozen.

Violets are smaller; $1.00 per hundred is obtained for the double ones; 35c. per hundred for the single. Wholesale prices vary from 25c. to 75c. per 100 for double and 25c. to 35c. for single, according to the market.

Carnations are holding their own in price; $3.00 to $4.00 per 100 for fancy grades and $2.00 to $3.00 per 100 for A No. 1 grades. The retailers have all the carnations in this market engaged.

Blooming plants are selling unusually well, and if the present time is an indication of the Easter plant trade the coming Easter will surely be a grand one for the sale of plants. I. B.

CINCINNATI.—As is usual, stock is always scarce before a holiday, and this year is no exception. I predict that Easter will find carnations very scarce in all markets. The flowers have been scarce all season, and it would seem that the more glass devoted to them, the scarcer they get. Stock of all kinds will not be what one might call plentiful, but as the time draws near we shall no doubt have more than we now expect. Prices remain as last week, and Easter figures will be the same as the quotations in the other large centers. E. G. G.

BUFFALO, N. Y.—Flowers seem to be between crops to quite an extent and though the demands are but moderate, excepting perhaps some bulbous stock, no surplus exists at present. Roses cannot be called plentiful, while carnations might be termed scarce. They further promise to be shy in quantity next week, so that stiff prices may result. If the weather keeps cool, there will be a nice lot of violets for Easter, and a fair lot of sweet peas. Smilax is scarce. Bulbous blooms promise to be plentiful; daffodils are now coming in from the South. VIDI.

DENVER.—Trade through Lent has been generally good. The weather has been very changeable and at times disagreeable for busines, but on the whole business did not suffer. The supply of cut flowers and plants has been very good, and the quality excellent. Funeral work has been in fairly steady demand the past month.

This year's outlook for Easter, in the plant line, is exceptionally good, though there is considerable grumbling heard about the lily crop. Those obtainable are good as regards foliage and flower, but terribly short in stem, and about all the tall ones available will be needed for church work. Azaleas are fairly plentiful and very good. Some Crimson Rambler roses seen at the Park Floral Company's greenhouses are the best ever grown here and should be a leading feature with this firm. Spiræas will be in good supply with all. Lilacs look good. Bulbous stock will be plentiful, if not in over supply.

The supply of cut flowers will be about equal to the demand, and should it fall short all the better, for plants are more satisfactory to handle in the rush. P. S.

LOUISVILLE, KY.—A peculiarity of the local market for this season of the year is the general shortage of good stock. The demand has been brisk during the entire Lenten period and at no time has there been much surplus of good roses or carnations. Even bulbous stock moves steadily and at reasonable prices.

The outlook for good stock for Easter is problematical, much depending on the weather. Reports show lilies are short. Bulbous stock is all outdoors and is readily affected by the weather. Azaleas, rhodendrons, hydrangeas, lilacs and plants of that class can be had in plenty. In cut flowers, roses and carnations will not equal the demand. Violets have entirely disappeared. A. R. B.

HARTFORD, CONN.—Business the past week has been quiet compared to what it was during the first part of Lent; in fact, we might say it is the quietest week we have had this season. Many orders have been taken for Easter, and the prospects are encouraging for a good trade if the weather is favorable. Most all kinds of stock will be plentiful excepting carnations, of which flower the supply will be short. At present stock of all kinds is plentiful, unless, perhaps carnations, and more of these could be disposed of if obtainable. Violets are not as good as they were a week ago; they are getting much lighter, and Easter will about wind them up for this season. Blooming plants have not been selling as well the past week. It is generally conceded that most of the plant buyers are waiting for Easter to make their purchases. J. F. C.

WASHINGTON, D. C.—Business here is still very slow. The weather is fine and stock plentiful, but somewhat poorer in quality. Violets are not nearly as good in color and size as last year at this time. Prices are still about the same as quoted two weeks ago. C. W. W.

Hartford, Conn.

Club Meeting.

The regular meeting of the club was held Tuesday evening. The notices were sent out by the president, and stated that the meeting was called for the purpose of investigating irregularities alleged to have been made by the secretary. This notice kept Mr. Coombs guessing until the meeting night. However, he was prepared to answer any question that might be put to him. There was a large attendance, and to the secretary's surprise, instead of being raked over the coals, as he expected, he was presented with a beautiful Masonic watch charm. The presentation was made by G. S. Osborn, and Mr. Coombs responded briefly, thanking the donors. On the face of the charm, which is of gold, is the Masonic emblem set with diamonds, and on the reverse side the inscription, "Hartford Florists' Club, to Jos. F. Coombs, 1903."

G. S. Osborn read a paper on "Red Spider," which was followed by a discussion. At the close of the meeting a social session ensued, and the members were entertained by a number of selections on President Wirth's phonograph.

X. Y. Z.

New York.

The Week's News.

There is a movement on foot among some of our largest growers and wholesalers of cut flowers to obtain a building that is large enough to make provision for the wholesale cut flower trade of the city. Members of the New York Cut Flower Co. and several commission men held a meeting in the Fifth Avenue Hotel on Friday, March 27, and we understand that a committee was appointed to look into the matter.

Everything looks favorable for a good supply of flowers for next week. If growers will only ship their stock in regularly, so that the dealers can take care of their out-of-town orders on time, instead of holding back and glutting the market on Easter Saturday there will be more satisfaction all round.

A committee from the New York Market Florists' Association went before Borough President Cantor on Friday afternoon, March 27, and asked his support in the matter of erecting a flower and plant market on the site of the old Clinton Market. Mr. Cantor expressed his willingness to give the project all the support in his power, and at the next meeting of the Board of Aldermen that body will be asked to authorize an appropriation of the necessary funds to construct a building suitable for market purposes on the site mentioned.

Ellwood Brandt, one of Madison's rose growers, has leased that part of Peter Crowe's establishment that is devoted to roses, at Utica, N. Y. The material for erecting an additional range of glass has been on the premises for some time, and Mr. Crowe will proceed to build at once. The new houses will also be operated by Mr. Brandt for the commercial growing of roses. Mr. Crowe having rented his rose houses will devote all his energies to the growing of his new fern, Adiantum Croweanum, which occupies a separate range of glass from that of the roses.

John Young is handling a choice line of plants for Easter, including genistas, geraniums and lilies.

Brooklyn retailers have long been accustomed to make a display of potted plants on the sidewalks in front of their stores at such times as Easter. The police will not stand for the sidewalks to be used for that purpose this Spring, however, and the florists feel that a lot of transient trade will be lost thereby.

Wm. Elliott & Sons are offering many choice plants at their twice-a-week sales. The stock this week has included good sized plants of genistas, in full bloom, camellias, roses and dracænas; also evergreen shrubs and magnolias.

W. Ghormley will handle a full line of Easter plants, and has leased, temporarily, the store at 56 West Twenty-eighth street, to have more room during the rush.

John Blaauw, of the wholesale nurseries, Boskoop, Holland, sailed on March 21 from Rotterdam, and will visit the trade on this side of the Atlantic during the month of April.

Visitors in town included C. Eisele, Philadelphia, Pa.; Peter Crowe, Utica, N. Y.; J. L. Dillon, Bloomsburg, Pa.; Wegand Bruss, representing Van der Weijden & Co., of Boskoop, Holland.

James Weir's Sons, whose greenhouses are located at Bay Ridge, Brooklyn, are among the favored ones with their crop of lilies. Some 30,000 Japan longiflorum were planted, and out of this number about one thousand only have had to be discarded. The rest are looking fine, and will produce a nice crop of flowers for Easter.

Other Easter stock grown at this place is composed mostly of azaleas, spiræas, hydrangeas, and acacias. A few Crimson Rambler roses are also grown. The foreman, Mr. Neumann, has everything timed about right and the lilies are being eagerly sought by prominent New York buyers.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our **Fumigating Powder** you can apply our **Black Stuff Fine** direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5 pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West street, New York.

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX
Where quality is first consideration, write, wire or phone the introducers,
CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.
Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. MCCULLOUGH'S SONS, Cincinnati, Ohio.
Mention the Florists' Exchange when writing.

GALAX
Bronze or Green, $1.00 per 1000, 75 cts. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100. Fancy Ferns, $2.00 per 1000. Green Sheet Moss, fresh stock, $2.50 per bbl. sack. Sphagnum Moss, $1.75 per bale; Southern Wild Smilax, 50 lb. case, $6.00; 35 lb. case, $4.50; 25 lb. case, $3.50. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.
L. J. KRESHOVER, 110-112 W. 27th St., New York.
Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

Order Direct from Headquarters
A No. 1 Dagger and Fancy Ferns, $1.50 per 1000. Discounts on large orders. A No. 1 Bronze and Green Galax, $1.00 per 1000 in 5000 lots. Laurel Festooning, good and full, 5c. and 6c. per yard. Leucothoe Sprays, $1.00 per 100. Green and Sphagnum Moss, $1.00 per bbl. Southern Wild Smilax, selected stock, $4.00 and $7.00 per case.
We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.
HENRY M. ROBINSON & CO.,
34-36 Court Square, Boston, Mass
Mention the Florists' Exchange when writing.

Send Your Easter Orders
EARLY
We have the best stock in the market
A No. 1 in every respect
Fancy or Dagger Ferns, $1.25 per 1000.
Galax, bronze or green, 75 cts. per 1000 in 5000 lots. $1.00 per 1000 in smaller quantities.
Use Laurel Festooning for your decorations. Fresh made from No. 1 stock, 4c., 5c. and 6c. per yard.
Moss, 50c. per sack.
Prince's Pine, $5.00 per 100 lbs.
Pine Festooning, 4c. and 6c. per yard.
Try Our $5.00
Bargain Offer for Easter
Every Florist should have the following: 1000 Dagger Ferns, 1000 Fancy Ferns, 1000 Bronze Galax, 1000 Green Galax, 10 yards Laurel Festooning, 5 lbs. Prince's Pine, one sack Moss. All for $5.00. Greatest bargain ever offered for Easter.
Long distance telephone connection. Send your orders early and you will help us and yourself, too.
ROYAL FERN CO.
MILLINGTON, MASS.
Telegraph Office: NEW SALEM, MASS.
Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St.
Factory, Seventh St.
Long Island City.
Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.
Tel. 28 A. SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays
Green Sheet Moss
W. C. SMITH, Marion, N. C.
Sold in New York by L. J. Kreshover; in Philadelphia by S. S. Pennock; in Pittsburg by Pittsburg Cut Flower Co.; in Buffalo by Wm. F. Kasting.
Mention the Florists' Exchange when writing.

A. J. FELLOURIS
Wholesale and Retail Dealer
IN ALL KINDS OF
Evergreens
GALAX
Bronze and Green
$1.00 per 1000.
FERNS FANCY, $1.50 per 1000.
DAGGER, $1.00 per 1000
468 SIXTH AVENUE,
Bet. 28th and 29th Sts. NEW YORK.
Telephone, 1431 Madison Square.
Mention the Florists' Exchange when writing.

CUT FLOWER BOXES
WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0. –3x4x20	$2.00	$18.00	5 –4x8x22	$3.00	$27.50
1.–3x4½x16	1.75	15.00	6.–4x8x28	3.75	35.00
2.–3x6x18	2.00	18.00	7.–6x16x20	5.50	53.00
3.–4x8x18	2.40	22.00	8.–3x7x21	3.00	29 00
4.–3x5x24	2.75	25.00	9. 5x10x35	6 50	60,00

Sample free on application. No charge for printing on orders above 250 boxes, Terms cash
THE LIVINGSTON SEED CO.
Box 102, COLUMBUS, O.
Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION
Write for particulars
THE FLORISTS' EXCHANGE, 2 Duane Street, N Y

For Easter Decorations
SOUTHERN WILD SMILAX, $4.00 and $7.00 per case.
CLEAN LAUREL FESTOONING, 5 and 6 cents per yard.
Cut Palm Leaves for Palm Sunday
LEUCOTHOE SPRAYS, green and bronze, $1.00 per 100.
Also Other Decorative Greenery.
WE CAN SUPPLY YOUR WANTS ON DEMAND. ORDER EARLY
See our Advt. of Ferns and Galax in this issue.
HENRY M. ROBINSON & CO.
36 COURT STREET BOSTON, MASS.
Mention the Florists' Exchange when writing.

Indianapolis, Ind.

Easter Prospects.

Philip Conway has a house of Crimson Rambler roses in excellent condition for Easter.

John Heidenreich has a large supply of bulbous stock. His azaleas, cinerarias and other plants surpass those of former years.

Baur & Smith have a large quantity of carnations sold for Easter.

A. Weigand & Sons report that the prospect for a large Easter trade was never better.

Bertermann Bros.' greenhouses are filled with the usual supply of fine blooming plants.

Smith & Young are cutting a quantity of A No. 1 La France and Souvenir du President Carnot roses.

Henry Reiman is well fortified with alpine violets, Crimson Rambler roses, azaleas and lilies. He is at work on a nice new store, which he hopes to complete in a few days.

I. B.

Cincinnati.

News of the Week.

The progressive euchre given by the Florists' Society on Thursday evening last was a grand social success, and the committee in charge, viz., C. J. Ohmer and J. W. Rodgers, deserve much credit. The prizes were very pretty and useful, the consolation prize especially, which was $5.00 in gold. The first premium was a Rookwood vase, donated by Louis Kyrk. The $5.00 was given by Mr. Lober. Wm. Murphy, A. Sunderbruch's Sons and J. M. McCullough's Sons all made donations.

The writer went before the Fall Festival directors Thursday, and was successful in getting them to adopt the schedule, and also to appropriate $1,000 to be used as premiums for a floral display in the foyer of the Music Hall in September. The table decorations will occur at the second exhibition. The first prize will be $200.00; second, $150.00, and third, $100.00. These will certainly be worth competing for. Competition is open to all. We should like to see our sister cities represented in this display. The schedule will be issued and mailed soon. If those who are overlooked will address the writer, I will see that a copy is sent.

John Walker, of Youngstown, Ohio, passed through the city on his return from Louisville.

Mr. Smith, of Smith & Fetters, Cleveland; and H. A. Dreer's representative were callers.

Ed. Bissell left the Huntsman place on Thursday to accept a position with the Marion Floral Co., of Marion, Ind.

E. G. GILLETT.

Kansas City.

Spring Prospects Bright.

The florists in this section are glad in the assurance that, from present indications, Spring business will be far in advance of that of 1902. In several instances extensive additions are already under way. The recently incorporated firm of Rock-Heite Co. is working on two 200-foot carnation houses; and Nelson Jarrett has purchased land adjoining his present range for future improvements.

News Jottings.

Frank Ross has opened a larger store in the Hall Building.

Mrs. Edgar, on Eleventh street, has found it necessary to add a larger show window to her store.

Miss J. E. Murray will soon move to a larger building more centrally located than her former place.

All in all, there has been more business activity shown since the first of the year than has been seen for many seasons.

In the nursery line the conditions have the same upward tendency. There is a heavy demand for shade trees principally elms, hackberry and har and soft maple, as these sorts are generally used in the newly surveyed parks and boulevards. A shortage has already been experienced in some lines of flowering shrubs.

More interest has been taken in hardy perennials than has been known in recent years.

Christmas prices have clung to carnations and roses up to the presen time. Stock is of good quality, but no so plentiful.

Lilies for Easter will not be plentiful the disease played havoc with whole crops on some establishments, and in others we find the bulbs were generously mixed with a very inferior rough-growing variety, vastly differen from Harrisii or longiflorum. The unwelcome "stranger" has not been identified in this locality. Other bulbs ar proving of good quality.

A. Newell has been quite ill for a week.

S. Murray leaves for Eureka Springs Ark., hoping to build up after his lon illness.

Recent visitors included J. M. Gasser, Cleveland, O., and James Hayes Topeka.

E.

Buffalo.

Easter Outlook.

Easter prospects now engross fu attention in planning and preparations for which the retailers are enterin with the confidence of a good demand How the supply of cut blooms wi show up is, of course, indeterminate but it is believed such will be none to large. Locally there seems to be th usual space given to plant stock: though a noticeable comparative shortage in lilies can be seen, mostly in lack of better development; fewe plants fully ready in cases, and buc and blooms not so free on the individual plants.

Chas. D. Zimmerman shows som nice imported lilacs, both purple an white, grown and flowering at a heigh of six feet, in pots ten-inch and upward. Some Dicentra spectabilis, als imported, forced into well proportioned bloom in eight inch pans, ar attractive. Stephen J. Rebstock, a Williamsville, boasts some specime azaleas and C. F. Christensen shows large lot of bulbous stock and we done azaleas, with lilies in moderat lot. Palmer & Son's Lancaster plac will turn out its usual lot of longiflorum lilies. These will run from tw to six blooms per plant, in height medium. A good lot of some hundred of azaleas are also ready, roses, etc Keitsch & Son have well done Harrisi this year, a good lot of azaleas an some nice cinerarias.

L. H. Neubeck shows a good assortment in plants. There is being specially produced a batch of antirrhinun for cutting, more or less sweet pea and mignonette, with carnations moderate.

S. A. Anderson has some attractiv white lilac in flower; roses and lilies i fair shape.

Wm. Scott has a batch of cinerarias a fine strain, a good lot of Crimson Rambler well set with blooms; bu lilies show the extreme short growth and undeveloped conditions in a marked degree. Bulbous stock here is always well grown.

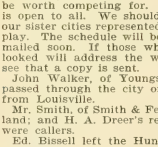
J. H. Rebstock has an attractive specialty in a goodly batch of importe stock in hybrid tree and standard roses in fine flower that should prove sellers. Some Crimson Rambler o good quality; also azaleas. Longiflorum lilies, of medium height, are timed right.

W. F. Kasting thinks lily plants in pots will be plentiful enough to g around. He offers good hydrangeas culled from various out-of-town sources, and is handling some azaleas in a jobbing way.

Rachel M. Rebstock has installed a tile setting for the show window o her store.

Department stores during the past week made special sales of hardy roses, imported stocks, at bargain prices.

VIDI.



The Deming Field Sprayer
A model implement for acreage work on Potatoes, Strawberries, Small Nursery Stock, etc.
Sprays 4 rows of potatoes at once and adjusts for wide or narrow rows
One Man Can Operate.
Can be attached to any barrel sprayer and fitted to any wagon. Fitted with famous Bordeaux or Deming-Vermorel nozzles. We fit everybody's needs in bucket, barrel, knapsack and other sprayers. Write for free spraying catalogue.
THE DEMING CO., Salem, Ohio.
Henion & Hubbell, Western Agts., Chicago, Ill.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Rooted cuttings from cool-grown stock of the following varieties:

WHITE—Kalb, Polly Rose, Ivory, J. H. Troy, obinson, Jerome Jones.

PINK—Glory of the Pacific, J. K. Shaw, Lady ayfair, Helen Bloodgood, Mrs. Murdock, F. B. ayes, Mrs Dalskow.

YELLOW—Yellow Monarch, Gloriosum, I. F. iger, M. Henderson, Robert Halliday, W. Mo- atsch, Bonnaffon, Mrs. E. D. Smith, Rieman, . D. Appleton.

Also 30 varieties of Pompons, $1.25 per 100. 10.00 per 1000. Timothy Eaton, $1.50 per 100. any other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

WOODHAVEN POST OFFICE.

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. adbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, ansas City Star, Malcolm Lamond, Edgar anders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, May- ower, Nellie Pockett, Chamberlain, Orizaba, imothy Eaton, Lavender Queen, $2.00 per 0; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Na- ya, Polly Rose, October Sunshine, Kalb, ink and White Ivory, $1.50 per 100; $12.00 er 1000.

CASH WITH ORDER.

. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

GERANIUMS

The finest up-to-date varieties, named, our selection: strong and well-branched, out of 3s, $4.00 per 100.

ROSE GERANIUMS, strong 3s, $4.00 per 100.

HELIOTROPES. Very strong, 3 in., well branched, in bud, $3.50 per 100.

AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2.00 per 100.

LOBELIA. Emperor William, best dwarf dark blue, very strong, 2 in., $2.00 per 100.

VERBENAS. Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2.00 per 100.

PETUNIA. Giant singles, 2 inch, $2.00 per 100.

PHLOX. New dwarf, fancy colors, grand for pot sales. Strong, 2 inch, $2.00 per 100.

GIANT PANSIES, GIANT DAISIES and Ever-blooming **FORGET-ME-NOT Constance**, all transplanted, cold frame grown, $1.50 per 100.

CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00. ½ pkt., 50 cts.

PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

Salt Lake City.

By the consolidation of the Salt Lake Floral and the Huddart Floral Company, which was effected March 19, J. S. Bransford, prominent in mining circles, becomes identified with the floral interests of the city. The deal was consummated March 18, Mr. Bransford purchasing the interest of Senator W. A. Clark, of Montana, in the Salt Lake Floral Company.

The consolidated interests will be reincorporated under the name of the Salt Lake Huddart Floral Company. Mr. Bransford will be president of the new company and P. T. Huddart, heretofore manager of the Huddart Company, will act in the capacity of manager. The other officers have not been chosen.

The consolidation has already become effective, and both the up-town houses will be continued as heretofore. The greenhouses at Twelfth South and State streets will be devoted more exclusively to the production of roses. It is the intention of the new company to largely increase the supply of roses and other flowers in the State.

Senator Clark, who has been backing the Salt Lake Floral Company, is said to have been interested to the extent of between $50,000 and $60,000 in the local concern. He had purchased extensive grounds at the State street establishment, which leaves the new consolidated firm in possession of both that property and the up-town stores. Mr. Bransford has assumed Senator Clark's interests while Mr. Huddart will have the management of the business. Senator Clark became interested in the floral business in this city two years ago, while the Huddart concern was established three years before.—Tribune.

Newark, N. J.

Charles F. Lee, a florist, 60 years of age was knocked down in his greenhouse on March 24 by some men who pretended to buy plants from him and robbed of $60.

100,000 PANSIES (The Jennings Strain)

Fine stock, all transplanted.
(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100; 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.
Cash with order.

E. B. JENNINGS, Southport, Conn.

Lock box 254. Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, Nutt, Buchner, Bruanti, J. P. Cleary, Dryden, Hill, Mt. of Snow $1.30 per 100. La Soleil, J. Viaud, $1.75 per 100.

COLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000.

GIANT-LEAVED, 20 var., very showy, $1.00 per 100.

HELIOTROPE, Sage, Ageratum, plants 75c. per 100.

CANNAS, Red, white, yellow, etc., $1.00 per 100.

Alternanthera, P. Major, H. Nana, 75c. per 100. Grand red kinds, $1.00 per 100.

PANSY BARGAIN Transplanted heavy rooted, part in bloom, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

DON'T TRAIL BEHIND THE PROCESSION Get up in the front ranks by Growing

"ESTELLE" The Money Maker

Earliest Fancy White **CHRYSANTHEMUM**, produces blooms double the size of old varieties. Commands top price. First-class shipper. Makes an ideal pot plant. Offered cheaper than any other new varieties.

DON'T DELAY! MY LAST PROPAGATION.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000

H. M. ALTICK, - - - DAYTON, OHIO.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
var., Standard, 2½ in pots	$3.00
var. Standard, 3½ in pots	4.00
Asparagus Sprengeri, 2 in. pots	2.00
00 Asparagus Plumosus, 2 in. pots	3.00
Centaurea Gymnocarpa	2.00
Smilax	1.50

COLEUS

	Per 100
16 var. Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Double Petunias, 2½ in. pots	3.00
Verbenas, 2 in. pots	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

BUCKBEE'S FAMOUS PANSY PLANTS

Extra fine, stocky, September transplanted and wintered in cold frames. Our special Giant Trimardeau, Rainbow, International, Peacock, Butterfly, and 50 named sorts, all in grand assortment, in bud and bloom, $1.50 per 100; $10.00 per 1000. Low special express rates and light packing. Seedlings, $4.00 per 1000.

CANNAS Beautiful roots, just started. Our own growth. Burbank, Florence Vaughan, Grand Rouge, Austria, Allemania, Souv du Pres. Carnot, Mlle Berat, Chas Henderson, Souv. de Antoine Crozy, $2.00 per 100; $15.00 per 1000. Packing free. Low special express rates.

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Soft and True to Name.

Willowbrook, R. Halliday, Kate Broomhead, Chadwick, Goldmine, $2.00 per 100

Timothy Eaton, Appleton, Ivory, Mrs. Jones, Maud Dean, Yanoma, Shrimpton, and 20 more good kinds, $1.50 per 100.

Bonnaffon, $1.00 per 100; $9.00 per 1000.

1000 Cuttings, our selection, 10 to 20 kinds, for $10.00; 500 for $6.00 cash.

COOLIDGE BROS., So. Sudbury, Mass

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Jean Viaud (large lot)	per 100,	$1 50
Castellane, Acteon, La Pilot	"	1 50
Perkins, Bonnot, Castris	"	1 50
Poitevine, Jaulin	"	1 50
Buchner, La Favorite	"	1 25
Heteranthe, Landry	"	1 25

ALBERT M. HERR, Lancaster, Pa.

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Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

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CHRYSANTHEMUMS Bonnaffon, Gloire of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, W. King, Chadwick, Modesto, Weeks, Pres. Smith, 25 other kinds, $1.00 per 100.

Verbena Giant. 10 kinds, R. C., 50 cts. per 100; $4.50 per 1000. 2 in., in bud and bloom, 2 cts.

Petunias, double, 15 fine sorts, R. C., $1.00 per 100; strong, 2 in., in bud, $1.75 per 100.

Coleus, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60 cts. per 100.

Asparagus Plumosus, 2 in., 3 cts.

Moonvines, strong, 2 in., 3 cts.

Ageratum, 5 kinds, R. C., 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Alyssum, Double, 2 in., 2 cts.

Rex Begonia, R. C., $1.00 per 100, in variety.

Umbrella Plants, nice short, 2 in., at $1.50 per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

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COLEUS

Rooted Cuttings except where noted.	100	1000
20 varieties	$0.60	$5.00
C. Verschaffeltii and G. Bedder	.60	6.00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1.00	
Alternanthera, A. Nana	.60	5.00
Fuchsias, 2 in. pots	2.00	
Giant Double Alyssum, 2 in. pots	1.50	
Ageratum, Pauline, Gurney, Cope's Pet	.60	5.00
Verbena, seedlings	.40	
Geraniums, Nutt, Viaud, Harrison, Ricard, Doyle, 2 in. pots	2.00	20.00
From 3 in. pots, same varieties as above; also Poitevine and others	3.50	

Vinca Variegata, 2 in. pots, $2.00 per 100, 3 in. pots, $4.00 per 100; 4 in. pots, $6.00 to $8.00 per 100.

Pansy Plants, from cold frames, 50 cts. to $1.00 per 100; $4.00 to $8.00 per 1000. Small seedlings, 40 cts. per 100; $3.00 per 1000.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N. Y.

Successor to C. A. Harris & Co.

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PANSIES Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Cassier and Odier prize strains, 60c. per 100; $4.00 per 1000. Extra large plants, coming in bud, $1.00 per 100. Verbenas, R. C., 60c. per 100, $5.00 per 1000. Double White Daisies, large plants, 60c. per 100, $5.00 per 1000. Dwarf Blue Lobelia, R. C., $1.00 per 100, $8.00 per 1000. Asparagus, from flats, ready for potting. Sprengeri, $1.00 per 100, $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. Terms, Cash. **Hill Top Greenhouses**, 15-16 Gray Ave., **Utica, N. Y.**

Mention the Florists' Exchange when writing.

PANSIES

(ROEMER'S).

100,000 wintered over. Fine plants coming in bud, $2.50 per 1000; smaller size, $2.00 per 1000.

CASH.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

PANSIES

	100	1000
Royal Exhibition and **Giant Trimardeau,** in bud and bloom	$1.25 1.00	$10.00 8.00
Bellis Perennis	.75	6.00
Blue Forget-me-nots	1.00	10.00
Verbenas, 2¼ in.	3.00	
Vincas, 4 in.	10.00	

Rubbers, 6 in., 2 feet high, $5.00 per doz.

J. S. BLOOM, RIEGELSVILLE, PA.

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PANSIES.

Finest strain in the world; captured first prize at London Horticultural Show for its exquisite brilliancy of color and large flowers.

60 cents per 100; extra large transplanted plants $4.00 per 1000.

Mammoth Verbenas, composed of twelve of the best varieties; rooted cuttings 75 cents per 100, $6.00 per 1000.

(All the above express prepaid.)

UTICA FLORAL CO., Utica, N. Y.

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PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

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Fine plants from field, $5.00 to $20.00 per 1000, f. o. b. express here. Assortment very good.

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CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

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COLEUS

	100	1000
Coleus, in variety, rooted cuttings	$0.60	$5.00
" " 2½ in. pots	2.00	18.00
Heliotrope, all dark, rooted cuttings	1.00	9.00
" " 2¼ in. pots	2.00	18.00
Fuchsias, in variety, rooted cuttings	1.00	9.00
" " 2¼ in. pots	2.00	18.00
Sweet Alyssum, rooted cuttings	.75	
Ageratum, in variety, rooted cuttings	.60	5.00
" " 2¼ in. pots	1.25	10.00
Happy Thought, 2¼ in. pots	3.00	
" " 3 in. pots	4.00	

J. E. FELTHOUSEN, Schenectady, N. Y.

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Can Fill Out-of-Town Orders at all Times
Personal attention given all orders. Specialties: **Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at 6 o'clock every morning.
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2201 Madison Square
57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, April 3, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	12.00 to 15.00
	" extra	8.00 to 10.00
	" No. 1	4.00 to 6.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to ......
	Bride, 'Maid, fancy—spc'l	6.00 to 10 00
	" extra	4.00 to 6 00
	" No. 1	2.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 10.00
	Liberty	2.00 to 12.00
	Meteor	.50 to 5.00
Adiantum		.75 to 1.00
" Croweanum		...... to 1.50
Asparagus		25.00 to 50.00
Callas		5.00 to 8.00
Cattleyas		50.00 to 60.00
Cypripediums		10.00 to 12.50
Dendrobium formosum		...... to 25.00
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	1.00 to 1.50
		Pink	1.00 to 1.50
		Red	1.00 to 1.50
		Yel. & Var.	1.00 to 1.50
	*Fancy— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 4.00
		Red	2.00 to 3.00
		Yel. & Var.	2 00 to 3.00
	Novelties		3 00 to 4.00
Lilies			6.00 to 10.00
Lily of the Valley			1.00 to 2.00
Narcissus—Paper White			.50 to 1.00
" —Yellow			.75 to 1.50
Mignonette—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
Smilax			12.00 to 15.00
Sweet Peas			.35 to .75
Tulips			1.00 to 2.00
Violets			.10 to .25
" special			.35 to .50
Lilac, per bunch			.50 to .75
Freesia, per bunch			.10 to .15

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HELD IN PHILADELPHIA, MARCH 25, 1903

First Prize for
Beauties
Was Awarded to **JOHN BURTON**, Queen St. Place

First Prize for
Liberties
Was Awarded to **A. FARENWALD**, Scoring 95 Points
FOR BEST EXHIBITION OF FIFTY BLOOMS

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Was Awarded to **A. FARENWALD**

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Apl. 1, 1903	Phil'delphia Mar. 31, 1903	Baltimore Mar. 31, 1903	Buffalo Mar. 31, 1903	Pittsburg Apr. 2, 1903
Roses	A. BEAUTY, fancy—special	35.00 to 40.00	..... to	..... to	30.00 to 40.00	40.00 to 50.00
	" extra	..... to 25.00	30.00 to 40.00	..... to	20.00 to 25.00	25.00 to 32.00
	" No. 1	12.50 to 16.00	20.00 to 25.00	20.00 to 30.00	10.00 to 15.00	8.00 to 16.00
	" Culls and Ordinary	3.00 to 8.00	10.00 to 15.00	6.00 to 16.00	3.00 to 5.00	2.00 to 6.00
	Queen of Edgely	8.00 to 40.00	10.00 to 40.00	..... to	..... to	..... to .....
	Bride, 'Maid, fancy—special	... to 12.50	..... to	..... to	..... to	..... to 15.00
	" extra	8.00 to 10.00	12.00 to 15 00	..... to	..... to 10.00	10.00 to 12.00
	" No. 1	..... to 6 00	8 00 to 10.00	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00
	" No. 2	2.00 to 4.00	6.00 to 7.00	3.00 to 5.00	3 00 to 5.00	2.00 to 3 00
	Golden Gate	..... to	8.00 to 10.00	4.00 to 8.00	3.00 to 8.00	4.00 to 10.00
	K. A. Victoria	..... to	..... to	..... to	..... to	3.00 to 6.00
	Liberty	..... to	15.00 to 30.00	4.00 to 8.00	2.00 to 10.00	4.00 to 8.00
	Meteor	..... to	10 00 to 15.00	4.00 to 8.00	2.00 to 8 00	4 00 to 8.00
	Perle	..... to	8.00 to 12.00	4.00 to 6.00	3.00 to 6.00	4.00 to 8.00
ORCHIDS	Cattleyas	..... to	..... to	..... to	..... to	..... to .....
	Cypripediums	..... to	..... to	..... to	..... to	..... to .....
Carnations	Inferior grades, all colors	.50 to 1 00	.... to ..	1.00 to 1.50	1.00 to 1 25	1 50 to 2.00
	STANDARD VARIETIES White	..... to 1.50	2 00 to 3.00	2.00 to 2.75	2.00 to 3.00	3.00 to 4.00
	Pink	..... to 1 50	2.00 to 3 00	1 75 to 2.50	2.00 to 3.00	2 50 to 3 00
	Red	..... to 1.50	2.00 to 3.00	1.75 to 2.00	2.00 to 3.00	2.00 to 3.00
	Yellow and var.	..... to 1.50	2.00 to 3.00	1.75 to 2.50	2 00 to 3.00	2.50 to 3.00
	*FANCY (*The highest grades of standard var) White	2.00 to 2.50	4.00 to 6.00	..... to	3.50 to 4.00	5.00 to 6.00
	Pink	2.00 to 2.50	4.00 to 6.00	..... to .	3.50 to 4.00	4.00 to 6.00
	Red	2.00 to 2.50	4.00 to 6.00	..... to	3.50 to 4.00	4.00 to 5.00
	Yellow and var.	2 50 to 3.00	4.00 to 6.00	..... to	3.50 to 4.00	4.00 to 5.00
	NOVELTIES	3.00 to 4.00	..... to	..... to	5 00 to 8 00	..... to .....
	ADIANTUM	.... to 1.00	..... to 1 00	..... to 1.00	.60 to 1.00	1.00 to 2.00
	ASPARAGUS	25.00 to 35.00	25.00 to 50.00	20.00 to 75.00	10.00 to 60.00	30.00 to 50.00
	CALLAS	8.00 to 10.00	..... to	6.00 to 10.00	8.00 to 10.00	8.00 to 12.00
	CHRYSANTHEMUMS	..... to	..... to	..... to	..... to	... to .....
	DAFFODILS	1.00 to 1.50	..... to 3.00	.35 to 2.50	1.00 to 4.00	2.00 to 3.00
	DAISIES	..... to	..... to 1.50	..... to	... to	1.00 to 2.00
	GALAX LEAVES	..... to ...	.. to .10	..... to .10	..... to .15	..... to .....
	HYACINTHS	1.00 to 4 00	..... to 4 00	2.00 to 6.00	2.00 to 8.00	4.00 to 6.00
	LILAC	.... to ...	..... to 10.00	..... to	10.00 to 15 00	7.50 to 10.00
	LILIES	6.00 to 10.00	..... to 12.50	..... to 10.00	10 00 to 15.00	10.00 to 15 00
	LILY OF THE VALLEY	2.00 to 3.00	4.00 to 5.00	..... to 3.00	2.00 to 5.00	4.00 to 5.00
	MIGNONETTE—Ordinary	1.00 to 2.00	..... to ..	1.00 to 3.00	2.00 to 3.00	1.50 to 2.00
	" Fancy	3 00 to 4 00	.... to 4.00	..... to	4.00 to 6.00	3.00 to 4.00
	NARCISSUS	1.00 to 1.50	3.00 to 4.00	..... to	2.00 to 4 00	1.00 to 2.00
	SMILAX	12.00 to 15.00	12.50 to 15.00	10.00 to 25.00	..... to 15.00	..... to 20.00
	STEVIA	..... to ...	.. to	..... to	..... to	..... to .....
	SWEET PEAS	..... to 1.00	1 50 to 3.00	. to 1.00	.75 to 1.00	1 00 to 1.50
	TULIPS	1 50 to 4.00	..... to 4 00	2.00 to 3.00	2.00 to 4.00	3.00 to 6.00
	VIOLETS	.50 to .75	.... to	.25 to .40	.30 to .60	.50 to 1.50

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Chicago.

ster Prospects.

With bright and Spring-lik ather with us, trade was never bet- than at the present time. The de- nd in some cases exceeds the sup- . and towards the close of the day re is considerable running from use to house to get stock to fill shipg orders. Easter business promises l, with the grade of stock above the rage. As near as can be learned at present time, there will not be too ch stock of any kind, but just about ugh to meet all demands. The lily ation has not undergone any ma- al change in the past week. While he growers think there will be ugh lilies to meet all demands, oth- believe there may be a good aver- supply, but the consensus of opin- is that there will not be any too ch first-class stock.

ong Growers.

A trip to the growing establish- nt of Poehlman Bros. found every- ng in first-class shape. They sell ir own stock on the Chicago market, are noted for their extra fine roses. s season Bride and Bridesmaid have n very good both in color and qual- Their American Beauty are as d as are to be found at any place or around Chicago. Of carnations, the newer kinds are grown. Some ra fine stock of Enchantress, Gov- or Wolcott and Marshall Field was n. Several houses are devoted to ysanthemums every year. The vari- s grown are numerous and the stock nts on hand are in excellent condi- . They follow their chrysanthe- ms with carnations, mignonette, sies and bulbous stock, including s. The brothers are also noted for ir extra fine lily of the valley. They e been doing quite a trade in forced c this season, and at present have finest that is received on the mar- . They are busy building one of the gest ranges of houses that will be ed around Chicago this season, and tear down and remodel part of their sent range.

visit to J. F. Kidwell & Bro.'s es- lishment found them busy getting ngs in shape for the Easter and ing trade. Their place is chiefly oted to general plant stock in which y have an immense trade. Note- thy among the Easter stock were rangeas and spiræas; these will be right. Their lilies also are in fine dition.

L. Simmons, of 342 West 63d street, rts trade as being good with him season.

he George Wittbold Co. has been ng extensive decoration for the Eas- openings of some of the large de- tment stores. In these displays ar- ial flowers are principally used.

Coatsworth, of Benthey & Co., has rned from a Southern trip taken he interests of the firm.

isitors in town included: H. E. Phil- . Winnipeg, Man.; Geo. M. Kellogg, sant Hill, Mo., and H. V. Hunkel, waukee.

ROBERT JOHNSTONE.

Louisville, Ky.

fter having her Fourth street store ed for a week, making the neces- arrangements, Mrs. C. B. Thomp- had a grand opening on March 30. h music and souvenirs she attracted passing throng. It is a beautifully nged place, and most admirably ted.

A. R. B.

PITTSBURG CUT
LOWER CO. LTD.
Wholesale Florists
PITTSBURG, PA.

ion the Florists' Exchange when writing.

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The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
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Telephone Central 3598. All telegraph and telephone orders given prompt attention.

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Wholesale Cut Flowers
FIRST CLASS ROSES ALL SUMMER
are fully packed and iced to ship any distance on short notice.
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For ROSES
CARNATIONS
And all kinds of Seasonable Flowers

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Cut Flowers of all kinds
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Send for complete list. Early ordering advisable.
McKELLAR & WINTERSON,
45-47-49 WABASH AVENUE
CHICAGO.

Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Mar. 31, '03	St. Louis Mar. 31, '03	Cincinnati Mar. 31, '03	Milwaukee Mar. 30, '03	Detroit Mar. 32, '03
Roses	A. BEAUTY, fancy—special	25.00 to 30.00	30.00 to 40.00	..... to 50.00	25.00 to 35.00	..... to 50.00
	" extra	15.00 to 24.00	15.00 to 25.00	35.00 to 40.00	18.00 to 20.00	..... to 40.00
	" No. 1	12.00 to 15.00	8.00 to 12.50	16.00 to 25.00	12.50 to 15.00	..... to 30.00
	" Culls and Ordinary	5.00 to 8.00	3.00 to 6.00	5.00 to 8.00	6.00 to 8.00	15.00 to 18.00
	Queen of Edgely	..... to	..... to	..... to	..... to	..... to .....
	Bride, 'Maid, fancy—special	5.00 to 8.00	..... to 8.00	8.00 to 10.00	..... to 8.00	..... to 8.00
	" extra	4.00 to 6.00	6.00 to 7.00	6.00 to 7.00	..... to 6.00	..... to 6.00
	" No. 1	4.00 to 5.00	..... to 5.00	5.00 to 6.00	..... to 4.00	..... to 5.00
	" No. 2	3.00 to 4.00	..... to 4.00	4.00 to 5.00	..... to 3.00	..... to 4.00
	Golden Gate	3.00 to 8.00	4.00 to 8.00	6.00 to 10.00	4.00 to 8.00	5.00 to 8.00
	K. A. Victoria	..... to	4.00 to 6.00	.... to	4.00 to 8.00	..... to ....
	Liberty	5.00 to 15.00	3.00 to 6.00	6.00 to 15.00	4.00 to 8.00	..... to .....
	Meteor	3.00 to 8.00	3.00 to 6.00	6.00 to 8.00	4.00 to 8.00	5.00 to 8.00
	Perle	3.00 to 8.00	3.00 to 6.00	..... to 4.00	4.00 to 8.00	4.00 to 8.00
	ORCHIDS—Cattleyas	..... to	..... to	..... to	..... to	..... to 50.00
	Cypripediums	..... to	..... to	..... to	..... to	..... to 25.00
Carnations	Inferior grades, all colors	1.50 to 2.00	2.00 to 2.50	..... to	..... to	..... to .....
	STANDARD VARIETIES White	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	..... to 2.00	2.00 to 3.00
	STANDARD VARIETIES Pink	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	..... to 2.00	2.00 to 3.00
	STANDARD VARIETIES Red	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	..... to 2.00	2.00 to 3.00
	STANDARD VARIETIES Yellow and Var.	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00	..... to 2.00	2.00 to 3.00
	*FANCY— White	3.00 to 4.00	5.00 to 6.00	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00
	(*The highest grades of standard var) Pink	3.00 to 4.00	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	4.00 to 6.00
	Red	3.00 to 4.00	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	4.00 to 6.00
	Yellow and Var.	3.00 to 4.00	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	4.00 to 6.00
	NOVELTIES	..... to	..... to	..... to	..... to	..... to ....
	ADIANTUM	1.00 to 1.50	..... to 1.00	..... to 1.50	..... to ...	..... to 1.50
	ASPARAGUS	20.00 to 50.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	10.00 to 60.00
	CALLAS	10.00 to 15.00	10.00 to 15.00	..... to 15.00	..... to 12.50	12.00 to 15.00
	CHRYSANTHEMUMS	..... to	..... to	..... to	..... to	... to .....
	DAFFODILS	2.00 to 3.00	..... to 3.00	4.00 to 5.00	..... to 3.00	3.00 to 4.00
	DAISIES	.75 to 1.50	..... to .40	..... to 1.50	..... to .50	..... to .75
	GALAX LEAVES	..... to .15	..... to .15	..... to .15	..... to .20	..... to .10
	HYACINTHS	2.00 to 3.00	3.00 to 6.00	4.00 to 6.00	..... to	3.00 to 6.00
	LILAC	8.00 to 12.00	..... to 6.00	..... to	..... to	..... to .....
	LILIES	10.00 to 15.00	10.00 to 15.00	15.00 to 20.00	..... to ...	15.00 to 18.00
	LILY OF THE VALLEY	2.00 to 5.00	3.00 to 4.00	4.00 to 5.00	..... to 4.00	3.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 5.00	.... to	..... to	..... to ..	..... to 3.00
	" Fancy	5.00 to 6.00	..... to	.... to	..... to	..... to 6.00
	NARCISSUS	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	..... to	3.00 to 4.00
	SMILAX	10.00 to 15.00	12.50 to 15.00	..... to	..... to 18.00	18.00 to 20.00
	STEVIA	..... to	..... to	..... to	..... to ...	..... to .....
	SWEET PEAS	1.00 to 1.50	..... to .75	... to	.50 to .75	.50 to 1.00
	TULIPS	2.00 to 5.00	.... to	3.00 to 6.00	2.00 to 3.00	3.00 to 4.00
	VIOLETS	.60 to 1.25	..... to .40	..... to	.50 to .75	.50 to .75

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Benefit the Good and **Redeem the Waste Places**

and make the whole farm productive by using our **Agricultural Drain Tile**, the leading things of the country. Manufactured 50 years. Prevents souring, [illegible] Also manufacture long line of other [illegible] Send for free book on Drainage. Most valuable for low or level land owners. Write me for catalogue and prices. **JOHN H. JACKSON, 50 3rd Ave., Albany, N. Y.**

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USE IT NOW.

F. O. PIERCE CO.

170 Fulton St.,

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6.00
1000	3 " "	5 00
800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4.51
144	6 " "	3.16

		Price per crate
120	in pqts in crate,	$4.20
60	8 " "	3.00
	HAND MADE.	
48	9 in. pots in crate,	$3.60
48	10 " "	4.80
24	11 " "	3 60
24	12 " "	4.80
12	14 " "	4 80
6	16 " "	4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**

Or August Rolker & Sons, New York Agents,

31 Barclay Street, New York City.

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WHY NOT BUY

RED POTS

OF US?

STANDARD SIZE

Quality No Better.

Carefully Packed in Small Crates Easy to handle. Price List Free.

Syracuse Pottery Co.,

Syracuse, N. Y.

Best Pot in the Market.

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ESTAB. 1765
A·H·HEWS & Co
No. CAMBRIDGE MASS
L. I. CITY N.Y.
CATALOGUE FREE

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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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SUMMER IN WINTER

By Using

Standard Greenhouse Boilers

One cent gets our Catalogue.

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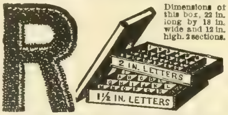

Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2 inch size, per 100, $2.00.

Script Letters, $4.00.

Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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TO KILL ALL

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Clean and harmless as **Fumigant** or **Spray.**

To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

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Tarrytown, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held March 26, President David McFarlane in the chair. A communication from Arthur Cowee, of Berlin, N. Y., offering a prize of $4.00 for the best 25 spikes of gladioli at the November show, was received and accepted. Daniel Taxter was elected to active membership.

Howard Nichols was awarded first prize for the best dozen roses; Joseph Bradley honorable mention for a vase of antirrhinum; Thos. A. Lee honorable mention for a vase of carnations. A discussion on the exhibits was taken part in by Messrs. Nichols, Lee, Ballantyne, Smith, Bradley, McFarlane, Mooney, and Scott.

The schedules for November exhibition are now ready and can be had on application to E. W. Newbrand, secretary, Tarrytown, N. Y.

The following prizes were offered for competition at the regular monthly meetings: Silver matchbox, April, by Mr. Scott.; pipe, herbaceous flowers, May, by Mr. Ballantyne; umbrella, herbaceous flowers, June, by Mr. Nichols; umbrella, herbaceous flowers, July, by Mr. John Briggs; book on gardening, herbaceous flowers, August, by Mr. Newbrand; a new hat, herbaceous flowers, September, by Mr. J. W. Smith; rubber boots, herbaceous flowers, October, by Mr. F. Gibson; rubber coat, best dozen American Beauty roses, November, by President McFarlane; ornament, best dozen carnations, three of each variety, December, Mr. J. Bradley.

H. J. R.

Irvington-on-Hudson, N. Y.

Lord & Burnham Company have nearly completed a galvanizing plant in connection with their works here. In the future the firm intends to galvanize nearly all of the iron-framed tables and beds made by it. The galvanized framework will not require painting, and the additional cost over and above the cost of painting is not a large item.

Copenhagen, N. Y.

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Send for my Floral Album size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.

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JUST THE THING FOR YOUR

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STANDARD THERMOMETER PEABODY MASS. U.S.A.

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Send for catalogue and prices.

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Green House Material

Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

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Nature Designed. In Colors

Fancy styles for local use, and practical on that express companies approve of for shippi

Samples Free.

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We manufacture a superior article for Potatoes, C bage, Celery, Corn, etc., body of same **Pure Bone**; te about 6 per cent. Ammonia, 7 to 8 per cent. Potash K. 166 pound bag. $3.25; ton, $36.00. A pure Bone Meal greenhouse, lawns, fruit trees, etc.; tests 6 per ce Ammonia, 30 per cent. Bone Phosphate; 166 pound b $3.00; ton. $32.50. Also have a practical Potato Spec tests 8 per cent. Potash, $30 00 ton. A dissolved Bo and Potash, tests 10 per cent. avail. Phos. Acid, 2 t per cent. Potash, $22.50 ton. A General Crop Fertili at $24.50. All delivered free, in ton lots, if cash acco panies order. **Jas. L. Reynolds Co., Mt. Vernon, N.**

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best for all hand work. No continuous pumping. Compressed air runs it to spray ¼ acre of vines. Boy can carry and operate. All working and contact parts of brass. Long line of high grade sprayers for every purpose shown in Catalog P. It is FREE. Write at once if you want the agency.

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10,000, $1.50; 50,000, $6.25.

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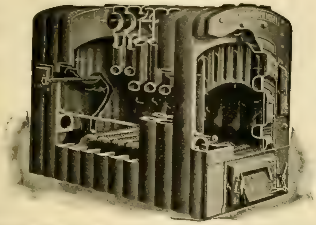

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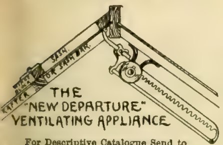
GOOD SASH LIFT

For a Very Little Money, Get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reenhouse Boiler

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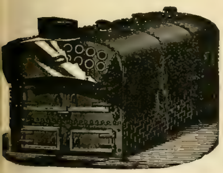

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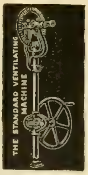

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Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

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CYPRESS SASH BARS

UP TO 32 FEET OR LONGER.

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AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
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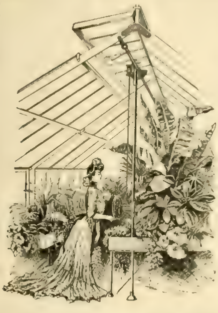
VENTILATING APPARATUS FOR GREEHOUSES



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We make a special GREENHOUSE PUTTY.

Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue, mailed from our New York Office on receipt of five cents postage for each.

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Manufacturers of Cal. Red Cedar and Louisiana Cypress.
BEST GRADES PERFECT WORKMANSHIP.

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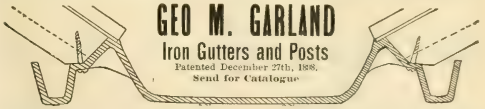

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JOHN C. MONINGER CO., CHICAGO, Selling Agents

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illon's Greenhouse Mfg. Co., BLOOMSBURG, PA.

ANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

ILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

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Are for sale by all the leading Seedsmen this season. Be sure to specify **COLUMBIA TUBS** when you order if you want **The Best Plant Tub Made. . . .**

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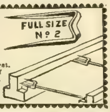

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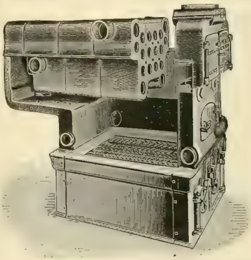

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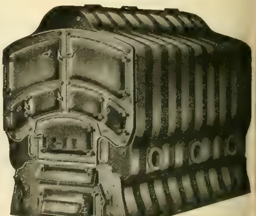

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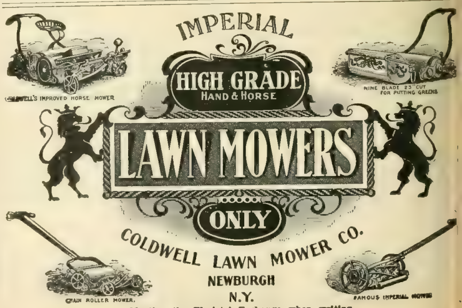

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12-15 in.	per doz.,	$4 50
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(1¼-1½ inch Bulbs)	Doz.	100
Single, 5 Separate Colors	40c.	$3.00
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	Doz.	100
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3x4 " " . . . . " 50 cts.; " 3.50.

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CALADIUM ESCULENTUM	7x9 inches	.50	3.00	
	9x12 "	.75	6.00	
GLADIOLI, American Hybrid—				
	60 per cent. white and light	$0.20	$1.00	$9.00
	Very Fine Mixture	.15	1.00	7.00
	MAY, white and rose, finest early forcer	.30	1.75	15.00
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" " mammoth, with tin cups	"	35 00
TUBEROSES, Excelsior Pearl, mammoth	per 1000	7 50
" " 3 x 4	"	3 00
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CANNAS, to name and color	"	2 00
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LILY OF THE VALLEY, the finest in the market; from ice house	per 1000	15 00

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FRESH CYCAS REVOLUTA, only the long-leaved variety handled.
BAY TREES, standards, pyramids, all sizes.
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ELIZABETH NURSERY CO., - ELIZABETH, N. J.

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Cut Prices on BULBS

Good sound Stock for immediate planting, of the following sorts, at low figures.

CANNAS, Extra strong roots, 2-3 Eyes

Allemania
Alphonse Bouvier
Alsace
Chas. Henderson
Flamingo
Florence Vaughan
Italia
Mme. Crozy
Queen Charlotte
Shenandoah

$2.00 per 100; $18.00 per 1000. Mixed, $1.75 per 100; $15.00 per 1000.

CALADIUM ESCULENTUM

	100	1000
5-7	$2.50	$20.00
7-9	5.00	45.00
9-11	6.00	55.00

MADEIRA VINES (Strong)

15c. per doz.; $1.50 per 100.

GLOXINIAS (extra large size)

Mixed, 40c. doz.; $3.50 per 100.

GLADIOLAS

	100	1000
White and Light	$1.80	$16.00
Pink Shades	1.50	12.00
Scarlet and Crimson	1.25	10.00
Extra Fine Mixed	1.00	8.00

DAHLIAS (Clumps)

	Doz.	100
Named varieties for Florists' cutting	$1.00	$7.00
Mixed colors	75	5.50

CYCAS STEMS (A New Importation)

25 lbs. for $2.50; 50 lbs. for $4.50; per 100 lbs., $8.00

JAPAN LILIES

Lilium Auratum

	Doz.	100	1000
8-9	$0.85	$6.00	$50.00
9-11	1.15	8.00	70.00

Rubrum

	Doz	100	1000
8-9	$0.85	$6.00	$55.00
9-11	1.60	7.50	70.00

Lilium Album

	Doz.	100	1000
8-9	$0.85	$6.00	$50.00
9-11	1.00	7.50	65.00

Melpomene

	Doz.	100	1000
8-9	$0.85	$6.00	$55.00

TUBEROSES

Extra large **Double Pearl,** $1.00 per 100; $8.00 per 1000.

Send for New complete List of Seeds, Plants and Bulbs.

HENRY F. MICHELL, Seed Growers and Importers **1018 Market St., Phila.**

Mention the Florists' Exchange when writing.

20,000 DAHLIAS

Strong whole field-grown roots, in 50 best sorts, $4.00 per 100; $36.00 per 1000; send for list. Mixed whole roots, in separate colors, white, pink, red and yellow, $3.50 per 100; $30.00 per 1000, fine mixed, all colors. These mixtures contain fine named varieties, all double, show, cactus and pompon, $3.00 per 100; $25.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON,

Purcellville, Va.

Mention the Florists' Exchange when writing.

Groff's Hybrid Gladioli

Guaranteed Genuine

	Per 1000
Blooming Bulbs, 1 inch and up	$12.00
Medium (will bloom), ½ to 1 inch	6.00
Small Bulbs, ½ inch and under	3.00

BULBLETS, $1.00 per 1000; 2000 for $1.50

Ideal Mixture, a fine florist mixture. Made up of selections of five years' careful growing of many named varieties, choice seedlings, etc., and contains a large per cent. of white, light and yellow vars. at one-third price of Groff's. Also a limited quantity of seed saved from the choicest marked flowers of Groff's, Childsii and Gandavensis vars., at 10c. per pkt., 3 pkts. 25c. Bulblets and seed prepaid. Bulbs at purchaser's expense. Cash. Satisfaction guaranteed. 500 at 1000 rate

EDGAR P. WALTZ,

General Delivery, Akron, Ohio

Mention the Florists' Exchange when writing.

Theodosia B. Shepherd Co.

VENTURA-BY-THE-SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed	$0 40	$3 00
Cobæa Scandens	30	2 50
Centaurea, Imperialis	40	
" Marguerite, giant white	50	
" Chamelon, yellow	60	
Heliotrope, choice mixed	40	4 75
Farfugium Grande, seeds and plants sold out.		
Romneya Coulteri	50	6 50
Geranium, "Good Venture," magnificent large flowers, grand mixed. Per pkt., 25c.	3 50	
Geranium, large fl., splendid mixed	2 00	
	100 seeds.	1000 seeds.
" double, splendid mixed	$0 50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed		25
Petunia, new double fringed, choice mixed		70
Phormium Tenax, var.		1 00
Coleus, choice mixed		20
Cyperus alternifolius, $1.00 per oz.		

Mention the Florists' Exchange when writing.

Ten Cent Packages of **Christmas Peppers**
Just the time to sow.

Dreer's Seedling Double Petunias,
Fine plants, 2 cents.

W. B. WOODRUFF, Florist, Westfield, N. J.

Mention the Florists' Exchange when writing.

EXCELSIOR PEARL

TUBEROSES

And Caladium Esculentum Bulbs and Canna Roots, leading varieties. Write to

JOHN F. CROOM & BRO.

Growers, MAGNOLIA, N. C.

Mention the Florists' Exchange when writing.

PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

Mention the Florists' Exchange when writing.

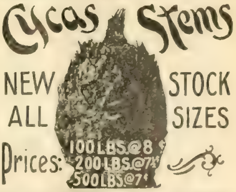
LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.



VAUGHAN'S SEED STORE.

14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

BUXUS Bushes, 12 to 18 ins	$0 25
18 to 24 ins	50
2 ft	75
3 ft	1 00
PYRAMIDS, 3 ft., slender	75
3 ft., fine	1 25
4 ft., fine	3 50

DWARF BOX, for Edging:	
2 to 4 ins	$2.50 per 100
4 to 5 ins	3.50 "
Small, for transplanting	1.50 "
AMERICAN ARBOR VITÆ	
3 ft., fine	10.00 "

Shrubs in full assortment, including **PRIVET.** Prompt Shipment.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce and **Grapes**, specialties. Only house dealing exclusively in these goods. Correspondence solicited

Archdeacon & Co., 100 Murray St., N. Y.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP
SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer, A. N. Clark, Milford, Conn., Assistant Secretary.

OUR SEED EXPORTS.—The business of exporting seeds increased somewhat during 1902, in which year the United States sent to foreign markets shipments worth $8,027,824. Compared with the record for 1901 there was a gain of $1,643,009 in value. A larger export trade in flaxseed contributed to this growth.

INDIANAPOLIS.—The corporation known as J. A. Everitt, seedsman, has been reorganizezd, new members admitted, and an increase of capital stock ordered from $10,000 to $150,000. The stockholders of the new corporation are J. A. Everitt, W. H. Everitt, W. A. Eshbach, R. F. Hamilton and E. G. Haspel. The last four are the new members.

DES MOINES, IA.—Two more stories are to be added to the Iowa Seed Company's building at Eighth and Market streets. The increase of space is demanded by the big increase of business in the mail order department.

In addition to the increase in the space of the warehouse, fourteen new greenhouses will be erected this Summer to complete the original plans of last year, when sixteen were erected. Plans for the addition to the warehouse are now in the hands of the architects.

European Notes.

Now that the trade in garden seeds is beginning to fall off, the seedsman is looking for a good time in the agricultural department; but unfortunately his wishes are at present not realized. Farmers are waiting to see what the weather will do next before settling their wants. Trade in grasses and clovers is very slack, and business all 'round needs a general enlivening.

Isolated cases of turnips for seed being already (end of March) in bloom, while revealing their remarkable forwardness, warns us of probable loss in the near future. At the same time, crops have stood the mild Winter so well and are looking very healthy that a small loss would do no great harm.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

H. E. BURR, East Orange, N. J.—List of Specimen Trees and Evergreens; also beautifully illustrated catalogue of Views showing tasteful home-ground plantings.

THE ELM CITY NURSERY COMPANY, NEW HAVEN, CONN.—Catalogue and Price List of Nursery Stock. Illustrated.

NEW YORK MARKET GARDENERS' ASSOCIATION, NEW YORK.—Special List of Gladioli and other Bulbs, Plants and Seeds. Illustrated.

BOBBINK & ATKINS, Rutherford, N. J.—Catalogue of Rhododendrons, Boxwood, Azaleas, Clematis, Bay Trees, Evergreens, and Hardy Plants, Bulbs, etc. Illustrated. A very complete catalogue, with a valuable list of novelties and specialties.

FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots	$20 00 per 100
15-18 in., " " "	30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots	$20 00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots	$20 00 per 100
18-24 in., " " "	30.00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each.

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in. pots.......$8.00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in..........$20.00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs, 3-in. pots..........$18.00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots..........$15.00 per 100

(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts...$15.00 per 1000

(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,

Fruitland Nurseries, Augusta Ga.

(Established in 1856.)

Mention the Florists' Exchange when writing.

PEONIES

Now is the time to lay in stock for next Fall and Spring sales. With very little care and no loss the plants will quadruple in value in a few months. I offer a choice assortment of Kelways choicest Double varieties, strictly true to name and unmixed, good roots, 2 and 3 eyes each, at $1.25 per 10; $10.00 per 100.

CLEMATIS PANICULATA

A few thousand extra heavy, three years old, field-grown roots of this very popular and valuable autumn-flowering Clematis, at $1.00 per 10; $7.00 per 100.

J. T. LOVETT

Little Silver, N. J.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,

JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons,	Azaleas,
Spiræa Japonica,	Lilium Speciosum,
Peonies,	Bleeding Heart,
Pot-Grown Lilacs,	Hydrangea in Sorts.

Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

"PIN OAK"

Our stock of Handsome Oaks of all sorts is unsurpassed.

THE GLENWOOD NURSERIES offer the finest Trees, both **EVERGREEN and DECIDUOUS, FLOWERING SHRUBS and VINES** of all sizes in general assortment. New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

Mention the Florists' Exchange when writing.

Holland Nursery Stock

ENDTZ, VAN NES & CO., BOSKOOP, HOLLAND.

Our Mr. Endtz will be in the United States until May 6. Address communications care of

MALTUS & WARE, 136 Water Street, N. Y.

ASK FOR OUR CATALOGUE.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, **Rochester, N.Y.**

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

Strawberries

Forty varieties. from $1.00 to $2.50 per 1000.

ASPARAGUS Strong one-year, 50c. per 100. $2.00 per 1000. Two-year, 75c. per 100; $3.00 per 1000. Varieties—Palmetto, Barr's and Giant Argentina.

Also other Small Fruits, Plants, etc.

Send for Price List.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

SEEDLINGS

- **Ampelopsis Veitchii**, field-grown, $3.00 per 100 $20.00 per 1000.
- **Wistaria, Chinese**, blue, 1 yr. $2.00 per 100: $15.0 per 1000; 2 yrs. $4.00 per 100; $25 00 per 1000.
- **Azalea Amœna**, rooted cuttings, $2.00 per 100 $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000 larger plants, $35.00, $50.00 and $75.00 per 100.
- **Yucca Filamentosa**, 1 yr., $1.00 per 100; $6.00 pe 1000; 2 yrs., $1.50 per 100: $12.00 per 1000.
- **Berberis Thunbergii, Exochorda, Halesia Altheas, Deutzias, Amorpha**, $2.00 per 100 $15.00 per 1000.
- **Iris Kæmpferi**, named sorts, strong pieces, $5.0 per 100; $35.00 per 1000.
- **Iris Seedlings**, 2 yrs., $2.00 per 100; $15.00 per 1000

Send for complete list of Trees, Shrubs and Ever greens.

SAMUEL C. MOON, Morrisville, Pa

Mention the Florists' Exchange when writing

PRIVETS

		Per 100
12,000	2-year-olds, 15 to 20 in. high,	$15 0
3,000	2- " " 24 " 30 " "	25 0
3,000	3- " " 36 " 48 " "	35 0

All good plants; fine roots.

CASH WITH ORDER.

C. RIBSAM & SON,

TRENTON, N. J.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY White Plume and Golden Self Blanching. $1.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Nursery Department

MERICAN ASSOCIATION OF NURSERYMEN

harles A. Ilgenfritz, Monroe, Mich., President
S. Lake, Shenandoah, Ia., Vice President.
orge C. Seager, Rochester, N. Y., Secretary.
L. Yates, Rochester, N. Y., Treasurer.

The death is announced of Wm. Fell, incipal of the firm of Messrs. Wm ell & Co., Hexham, England, a con- rn noted there for its large trade ith the United States.

HATTANOOGA, TENN. The Light- ot Nursery Company has been incor- rated by H. Lightfoot, Wm. Shelton, S. Walker, M. A. Irwin and J. H. cLean. Capital stock, $10,000.

ROCHESTER, N. Y.—The Graham ursery Company has been incorpo- ted; capital, $10,000. The directors e: E. O. Graham Cora M. Graham, nd J. M. Campbell, of Rochester.

Transplanting Deciduous Trees Late.

It often occurs that the transplanting deciduous trees late in Spring, after e leaves have pushed to some extent, desirable, though, of course, not to recommended. In such cases, the mmon practice, but not the correct ne, is to strip off every leaf, and une back the branches. The pruning art is all right, but not the stripping way of all the leaves. In fact, the aving on of many of the leaves is lmost necessary to be successful. The aves exercise an influence in promot- g root action; and the chances of be- g successful are very much better ith leaves than without them. Not many; say, a fourth of what the e had will be about the right number. hen every leaf is stripped off, it is w work for the tree to recover. The tored up sap will have been used up forming the leaves removed, and ere is but little left for the second ffort. With a fourth of the leaves left n something remains to carry on the ork of growth. But these untouched aves need care. The disturbance of ransplanting has left the roots in a sition unfitting them for immediate ork in the way of supplying moisture r the leaves. This is overcome by ooding the soil with water for a few ays, and by syringing the foliage with ater for the same period. As soon as he foliage stands without wilting, the ooding should cease, and syringing is ss necessary.

English Walnuts from Buds.

Of the three common walnuts, the nglish, black and butternut, the former is the most valued for its nuts. It s propagated almost entirely by sow- ng the nuts, but a writer in an ex- hange says he has had good results rom budding, better than from graft- ng. As his notes imply, he uses for tock either the black walnut or the utternut. It is probable that the latter species is the better one, resembling he English in general appearance more han the black, and being a rapid rower. Presumably the budding hould be done in Summer at the usual udding season.

Grafting Catalpas.

As everyone who has bought a Catal- a Bungei can see, the way it is in- reased is by grafting. Catalpas start grow so very late in Spring that here is yet ample time to do the work. elect a straight stock of either the C. ignonioides or C. speciosa, and graft t at whatever height desired. A eight of about six feet is a very good ne. This species, or, more properly, ariety—for it is claimed to be but a orm of C. bignonioides, and not C. ungei at all—and the golden-leaved ne, are the only two which are grafted, the other sorts in common cultiva- ion growing readily from seeds.

Catalpas are possessed of singular vi- ality. Some years ago it occurred hat in transplanting a lot of them bout two dozen were forgotten and eft exposed to the air, root and tops, for a full week. They were then lanted, and to the surprise of those nterested, all grew. Since that time ther instances have occurred showing hat, in nursery parlance, the catalpa 'is hard to kill."

The almost globular growth of C. ungei makes it useful in many situa- ions where such a tree form is in lace.

Camellias Outdoors.

From what is known of the ability of many evergreens to withstand the Winter in sheltered positions which would not exist in exposed ones, there is much to encourage those who delight to have in their collection something uncommon. The common camellia is such a plant. Common in greenhouse collections, it is not hardy enough for outdoors in the North, but in the bordering States of the South it could be oftener met with than it is. Along the south coast of England it is a hardy evergreen, though not known as such by a great many. It often endures 20 degrees of frost there for a day or two at a time. The P. J. Berckmans Co., of Augusta, Ga., say it is hardy there in the central part of Georgia. Just see what a wide range of country that gives in which the camellia can be treated as a hardy shrub! In Europe the single ones seem the hardiest of all.

There are large bushes of these plants near Mobile, Ala., which give an abundance of seed every year.

We would not want to live without the bright sun we usually have in Winter, yet to have the camellia do its best in doubtful localities it should be planted where it would be in the shade at that season. A writer in the English Gardening Illustrated says the camellia is hardier than the laurel, Cerasus lauro-cerasus. This seems strange, considering how prominent the laurel is, while the camellia is not. Should it be true here as in England, then we could grow it in Philadelphia, for the laurel spoken of does well there when in a shady sheltered place.

Hardiness of Chamaerops Excelsa.

Your correspondent, Abe Clemo, in his recent notes gives additional facts regarding the hardiness of the Chamærops excelsa. In the notes of mine, which brought the replies from several correspondents, I gave 15 degrees of frost as what I knew the palm had endured, and it is of great interest to learn that it has been known to pass through eight above zero unscathed.

There is no question that when conditions are right this plant, as well as others, will endure much more cold than is usually supposed, and in the case of this chamærops it would probably be found that it could be grown successfully outdoors in States but little south of Pennsylvania. What such subjects require is a high situation, where the wood will ripen well, a place sheltered from the wind and sun in Winter; and, further, that care be taken to see that when Winter sets in it finds the plants with the soil about them in good, moist condition, and this moisture must be secured all Winter, if even by artificial means.

Recently, in an English horticultural paper, I noticed that in many parts of England the common laurel of that country, Cerasus lauro-cerasus, had been killed the past Winter. In my garden, sheltered by a board fence and fairly free from the sun in Winter. I have had one pass through two Winters uninjured, excepting partly scorched leaves. In the same situation, with not a leaf hurt, is Photinia serrulata and Cerasus lusitanicus, two well-known, broad-leaved evergreens of the South of England gardens. And in both Winters zero weather has been met for a day or two.

TREES. TREES.
Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.
Wm. J. Chinnick, Trenton, N. J.

CABBAGE and TOMATO PLANTS
Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.
Tomato L. Bentz, fine plants, $1.00 per 1000; 5000 for $4.00.
J. C. SCHMIDT, Bristol, Pa.

THINGS YOU NEED!

	Per 100
10,000 **Coreopsis** clumps	$4 00
10,000 **Helianthus** Maximiliana, strong divisions	2 50
10,000 **Achillea** Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum, Maximum Triumph, strong divisions	5 00

Cash with order, please.
W. G. EISELE, West End, N. J.

DEATH OF S. CRANE, FORMER OWNER.
Forced Sale of NURSERY STOCK
Imperative removal of Main Nursery makes Bargain Prices possible and necessary. Send list of wants, Ornamental Stock.
NORWICH NURSERIES,
O. E. RYTHER, Propr. NORWICH, CONN.
E. G.—Norway Maples, 12 ft., $25.00 per 100.
Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.
We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).
Before placing your orders write to
W. MAUGER & SONS, Guernsey, England
Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
Hardy, Fancy Ornamental Nursery Stock
J. BLAAUW & CO.
BOSKOOP, HOLLAND.
Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain
Mention the Florists' Exchange when writing.

SEED
SWEET POTATOES
Clean, healthy seed of YELLOW NANSEMOND, BIG STEM, JERSEY and other varieties. 25 lbs., $1.50; ½ bbl. $2.50; bbl. $4.00.
H. AUSTIN, Felton, Del.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.
Pot-Grown Plants for Forcing.
Rhododendrons, H. P. Roses, Etc.
No Agents Catalogue free on demand. No Agents
Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY
Geneva, N. Y.
WHOLESALE GROWERS OF
Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.
Send for our Wholesale Price List.
Mention the Florists' Exchange when writing.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000
CHARLES LENKER, FREEPORT, L. I., N. Y.
Mention the Florists' Exchange when writing.

50,000 Boxwood Edging Plants
NICE BUSHY PLANTS
6 to 12 inches high, $6.00 per 100; $50.00 per 1000.
CH. KOEHLER, Nursery, Fox Chase P. O. PHILADELPHIA
Mention the Florists' Exchange when writing.

To Dealers
We have a surplus of **ARBOR VITÆ**, 6 ft., three times transplanted. Also a few thousand **PEACH**, first-class stock, mostly Elbertas and Crawfords. Will be sold low.
COMSTOCK & LYON, Norwalk, Conn.
Mention the Florists' Exchange when writing.

TREE SEEDS
Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.
PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers TREES AND PLANTS in full assortment Trade Catalogue Free.
Mention the Florists' Exchange when writing.

COLORADO BLUE SPRUCE
Exquisite in form and Color. Transplanted.
Bluest specimens, 3 to 4 feet .... $2.00 each
" " 2 to 3 " .... 1.00 "
Green specimens, 3 to 4 feet .... 40 cts. each
" " 2 to 3 " .... 25 cts. "
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

Ligustrum Regelianum
(Prostrate Privet)
A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.
ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.
Mention the Florists' Exchange when writing

SPECIMEN PLANTS OF
CALIFORNIA PRIVET
Several thousand large, well furnished plants, for grouping and massing, from 4 to 7 feet high. They have been grown with ample space and have been headed back a number of times; hence are dense and well formed—in brief they were grown especially for the uses indicated. Also California Privet grown in standard form and globe form by the dozen and hundred. Prices of all upon application.
J. T. LOVETT, Little Silver, N. J.
Mention the Florists' Exchange when writing.

COLD GROWN ROOTED **CHRYSANTHEMUMS**

Soft and True to Name.

Willowbrook, R. Halliday, Kate Broomhead, Chadwick, Goldmine, $2.00 per 100

Timothy Eaton, Appleton, Ivory, Mrs. Jones, Maud Dean, Yanoma, Shrimpton, and 20 more good kinds, $1.50 per 100.

Bonnaffon, $1.00 per 100; $9.00 per 1000.

1000 Cuttings, our selection, 10 to 20 kinds, for $10.00, 500 for $6.00 cash.

COOLIDGE BROS., So. Sudbury, Mass

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

2¼ in. pots,	Doz.	2¼ in pots,	100
Mlle. Marie Liger	$3.00	Mrs Barkley	$5.00
B. Godfrey	2.00	Mrs. Coombs	5.00
Rooted Cuttings, per doz.			
H. J. Jones	75c.	A. J. Balfour	75c.
Rooted Cuttings, per 100			
K. Broomhead	$1.50	Orizaba	$1.00
Honesty	1.50	T. Eaton	1.00
H. Parr	1.00	Col. D. Appleton	1.00

Extra Fine Stock, True to Name.

G. D. LOTZE, Jr., Glenburnie, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Rooted cuttings from cool-grown stock of the following varieties:

WHITE Kalb, Polly Rose, Ivory, J. H. Troy, Robinson, Jerome Jones.

PINK—Glory of the Pacific, J. K. Shaw, Lady Playfair, Helen Bloodgood, Mrs. Murdock, F. B. Hayes, Mrs. Dalskow.

YELLOW—Yellow Monarch, Gloriosum, J. E. Lager, M. Henderson, Robert Halliday, W. Molatsch, Bonnaffon, Mrs. E. D. Smith, Rieman, Col. D. Appleton,

Also 30 varieties of Pompons, $1.25 per 100; $10.00 per 1000. Timothy Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

WOODHAVEN POST OFFICE.

Mention the Florists' Exchange when writing.

DON'T TRAIL BEHIND THE PROCESSION

Get up in the front ranks by Growing

"ESTELLE" The Money Maker

Earliest Fancy White **CHRYSANTHEMUM,** produces blooms double the size of old varieties, Commands top price. First-class shipper. Makes an ideal pot plant. Offered cheaper than any other new varieties.

DON'T DELAY! MY LAST PROPAGATION.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000

H. M. ALTICK, - - - DAYTON, OHIO.

Mention the Florists' Exchange when writing.

75,000 CHOICE PERENNIAL PHLOX 75,000

ONE OF OUR LEADING SPECIALTIES

Strictly first-class varieties, distinct and decided colors; strong, field-grown plants that were cut back and potted up into three-inch pots late in the fall, with from 3 to 6 eyes, that will make a better display of flowers than plants dug from the field; this stock must not be confounded with small winter propagated plants, such as are usually sent out.

Athis, deep pink, overlaid salmon, crimson eye.
Andreas Hoffer, a fine early white.
Aquillon, carmine rose, shaded salmon, crimson eye.
Bridesmaid, pure white with large crimson eye.
Beranger, white, suffused pink, crimson eye.
Blanc Nain, large dwarf white.
Bouquet Fleur, white, with deep rose eye.
Crystal Palace, white, with lilac markings and center.
Cross of Honor, magenta, bordered white, in the form of a Maltese cross.
Cyclon, white, suffused rosy lilac, dark rose eye.
Champs Elysee, fine rich purplish crimson.
Duguesclin, white with dark crimson center
Eclaireur, purplish crimson, very bright, with light halo.
Esclarmonde, lilac suffused white, deep rose-colored eye.
Etoile du Nord, purplish crimson.
Eugene Danzenvillier, lilac with white edge and center.
Faust, pure white with cherry-red eye.
Henry Murger, white with bright rose eye.
Jeanne D'Arc, a fine late white.
Jules Finger, tender rose with deep rose eye.
Lilipot, bright magenta with crimson eye.
La Fondre, deep purplish crimson.
La Nuit, deep purplish crimson.
La Vague, soft rosy pink with red eye.
Lothair, salmon-red with carmine eye.
Mlle. Marie Kuppenheim, a good dwarf, pure white.
M. Marey, salmon rose with deeper center.
Marquis de St. Paul, deep rose, overlaid salmon.
Michael Cervantes, pure white with bright red eye.
Mrs. Dora Umgeller, rich deep rose; a strong variety.
Moliere, salmon rose, deep rose eye.
Nettie Stewart, pure white, occasionally marked rose.
Ornament, rosy magenta with crimson eye.
Professor Schlieman, salmon rose with carmine eye.
Peach Blow, delicate pink with white markings.
Pantheon, fine deep salmon rose, free and effective.
Pacha, deep rose with bright eye.
P. Bonnetin, magenta overlaid salmon.
Robert Werner, tender rose with deep rose eye.
Semiramis, purplish magenta
Simplon, white suffused lilac, dark rose center.
Sylphide, light rose and white, with deep center.
Schlossgartner Reichenau, bright rose, dwarf and free.
Sunshine, salmon pink with deep red eye.
Thebaide, dwarf salmon red with crimson eye.
Wm. Muhle, salmon pink with dark crimson eye.
Zouave, largest purplish crimson, red eye.

Any of the above varieties, 75c. per doz.; $6.00 per 100; $50 per 1000

THREE CHOICE RED PHLOX

VARIETIES THAT ARE ALWAYS SCARCE

COQUELICOT, a fine pure scarlet with deep carmine eye
JOCELYN, bright salmon red, very brilliant
MATADOR, Bright orange scarlet, cherry-red eye
} $1.00 per doz.; $8.00 per 100

For anything that you may require in the line of **HARDY PERENNIALS** refer to our Wholesale List, which is mailed free to the trade.

HENRY A. DREER, Philadelphia

714 CHESTNUT STREET.

Mention the Florists' Exchange when writing.

Figs.

Nurserymen find a growing demand for figs. The fact that, whether grown in the open ground and buried in Winter, or grown in a tub, delicious fruit is assured, is leading many to ask for the plants who never before took an interest in them. These bushes are easily increased by hard wood cuttings set outdoors at this season of the year; also by layering the young shoots in Midsummer. A good point in favor of growing the fig is that it is the better for not having too much root growth. This is why the plants do well in pots, or tubs, and why the digging up and burying them in Winter is an advantage.

Plants Winter-Killed.

Kindly give us your opinion as to the cause of freezing down, and the killing, to an unusual extent, of outdoor shrubs, roses, etc., this Winter along the New England shore. Is it due to the first sudden and hard frost which approached us in the latter part of November; or is it through the frequent changing of the temperature through the Winter? A. & M.

—It is difficult to say what has caused the injury of which our correspondent writes. We presume the weather conditions have been alike in Massachusetts and Pennsylvania, yet in our case we never knew of so little injury in Winter. Practically there is none whatever, everything being in first-class condition. In the Fall we had heavy rains, and these also occurred occasionally all Winter, and in the writer's experience heavy rains in the Fall almost ensure safety of stock in Winter. With plenty of water in the soil, trees rarely suffer in Winter here.

It is conceivable that early Fall rains may prolong growth of branches, leaving unripened wood which freezing would kill. Alternating periods of warmth and cold will also cause injury in Winter. So will dryness of the soil.

From what you say, it is probable that late growth was caught by the first hard freezings, and that this and the alternating heat and cold of Winter are the chief causes of the loss of which you speak. It has been many a year since Spring found our trees and shrubs in such excellent condition as they are this season.

JOSEPH MEEHAN

CHRYSANTHEMUMS

Bonnaffon, Gloire of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, W. King, Chadwick, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, $1.00 per 100.

Verbena Giant, 10 kinds, R. C., 50 cts. per 100, $4.50 per 1000. 2 in., in bud and bloom, 2 cts.
Petunias, double, 15 fine sorts, R. C., $1.00 per 100; strong, 2 in., in bud, $1.75 per 100.
Coleus, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60 cts. per 100.
Asparagus Plumosus, 2 in., 3 cts.
Ageratum, Gurney, P. Pauline and Best White, 60 cts. per 100.
Stevia Serrata, R. C., 75 cts. per 100.
Alyssum, Double, 2 in., 2 cts.
Rex Begonia, R. C., $1.00 per 100, in variety.
Umbrella Plants, nice short, 2 in., at $1.50 per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Seasonable Stoc

Acalypha Bicolor Compact (New), 25c. each; $2.50 per doz.

	Per 1
Adlumia, Cirrhosa, 2½-in. pots	$3.
Anemone Japonica, Alba, Elegantissima, Lady Ardilaun, Queen Charlotte, Rosea Superba, 2¼-in. pots	5.
Strong field-grown	10.
Arundo Donax Var., strong divisions	15.
Macrophylla Glauca, strong divisions	15.
Asparagus Sprengeri, 4 in. pots	6.
Begonia, Manicata, Aurea, 2½-in. pots	8.
Rex, 2½-in. pots	5.
Gloire de Lorraine (June delivery)	15.
Boltonia, Latisquama, strong divisions	5.
Campanula, Pyramidalis, 2½-in. pots	3.

CARNATIONS

A Complete List of Novelties and Standar Varieties. Prices on application.

CHRYSANTHEMUMS

Our collection is unsurpassed in thi country, containing all the desirable America and Foreign Novelties, as well as all the bes exhibition and commercial sorts. Descrip tions and prices on application.

	Per 1
Maximum Triumph, 2¼-in. pots	$3.0

Carex, Japonica Var., 2¼-in pots	3.0
Coreopsis Lanceolata, 2½-in. pots	2.5
Strong clumps	5.0
Crimson Rambler Roses, 3 ft. extra strong	12.0
Delphinium, Queen of Blues (Dwarf), strong clumps	6.0
Digitalis, Gloxiniaflora, 2½-in pots	3.0
Erianthus, Ravennæ, strong divisions	6.0
Eulalia, Gracillima, Japonica Var. and Zebrina, strong divisions	6.0
Eupatorium, Ageratoides (Hardy Ageratum), strong clumps	5.0
Gaillardia, Grandiflora, 2½-in. pots	2.5
Strong clumps	5.0
Geranium, Mme. Salleroi, 2¼ in. pots	2.5
Helianthus, Maximiliana, Miss Mellish, Mollis, Multiflorus Plenus, Multiflora Maximus, Orgyalis, Rigidus and Tomemtosus, 2¼-in. pots	3.00
Multiflorus Grandi-Plenus (Soleil d'Or), 2¼ pots	3.00
Clumps	6.00
Honeysuckle, Halleana, strong field grown	5.00
Isolepis, Gracilis, 2¼-in. pots	3.00
Matricaria (Little Gem), 2¼ in. pots	2.50
Monarda, Didyma and Fistulosa Alba, strong divisions	4.00
Moonflower, 2¼-in. pots	3.00
Oriental Poppy, 2½-in. pots	3.00
Pelargoniums, large list of varieties. Strong plants from 2½ in. pots, according to variety..$6.00 to	15.00
Phalaris. Arundinacea Var., 2¼ in. pots	2.50
Arundinacea Var., strong divisions	5.00
Pyrethrum, Hybridum, 2½-in. pots	3.00
Strong clumps	6.00
Rudbeckia, Golden Glow, 2½-in. pots	2.50
Golden Glow, strong divisions	5.00
Newmanii, 2½-in. pots	3.00
Strong divisions	6.00
Purpurea, strong clumps	8.00
Salvia, Splendens, Bonfire, Gigantea, Glory of Stuttgart, 2¼-in. pots	3.00
Splendens, Triumph (New)	5.00
Sedum, Spectabilis, 2¼-in. pots	4.00
Shasta Daisy, strong plants	10.00
Smilax, 2¼ in. pots, strong	2.50
Sweet William (Best English Strain), field-grown	5.00
2½-in. pots	2.50
Tritoma, Pfitzerii, strong divisions	10.00
Valeriana, Officinalis (Garden Heliotrope), strong divisions	5.00
Violets, Princess of Wales, from soil	2.50
Lady Campbell, from soil	2.50

Nathan Smith & Son

ADRIAN, MICH.

Mention the Florists' Exchange when writing.

ANTHEMIS CORONARIA

Double Dwarf Golden Marguerite,
$2.00 per 100, by mail

J. W. MORRIS, Utica, N. Y.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Green and Variegated. Fine stock. 4-in. pots, 5 cts per leaf.

CASH WITH ORDER.

CHAS. P. GULICK, Kingstown, N. J.

Mention the Florists' Exchange when writing.

2000 RUDBECKIA

Golden Glow, $3.00 per 100; $20.00 per 1000.

5000 **Helenium,** Autumnalis, $4.00 per 100; $30.00 per 1000

5000 **Helenium,** Grandicephalum, Striatum, $5.00 per 100; $40.00 per 1000.

NORTH SHORE FERNERIES, Beverly, Mass.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	5 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum,** dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia,** dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00

Pansies, strong plants, fine strain, $2.50 per 100, $20.00 per 1000.

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2.00 per 100; $18.00 per 1000. My selection, $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
Coleus, in variety, rooted cuttings	$0 60	$5 00
" " 2½ in. pots	2 00	18 00
Heliotrope, all dark, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Fuchsias, in variety, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Sweet Alyssum, rooted cuttings	75	
Ageratum, in variety, rooted cuttings	60	5 00
" " 2¼ in. pots	1 25	10 00
Happy Thought, 2¼ in. pots	3 00	
" " 3 in. pots	4 00	

J. E. FELTHOUSEN, Schenectady N.Y.

Mention the Florists' Exchange when writing.

COLEUS

Rooted Cuttings except where noted.	100	1000
20 varieties	$0.50	$5.00
C. Verschaffeltii and G. Bedder	.60	6.00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1.00	
Alternanthera, A. Nana	.60	5.00
Fuchsias, 2 in. pots	2.00	
Giant Double Alyssum, 2 in. pots	1.50	
Ageratum, Pauline, Gurney, Cope's Pet	.60	5.00
Ageratums, 2 in. pots	1 50	
Verbena, seedlings	.40	
Ivy Geraniums, 2 in. pots	2.00	

Geraniums, Viaud, Nutt, Harrison, and others, 3 in. pots, $3.50 per 100.

Vinca Variegata, 2 in. pots, $2.00 per 100; 3 in. pots, $4.00 per 100; 4 in. pots, $6.00 to $8.00 per 100.

Pansy Plants, from cold frames, 50 cts. to $1.00 per 100; $4 00 to $8.00 per 1000. Small seedlings, 40 cts. per 100; $3.00 per 1000.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N.Y.

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

Special Bargain Sale

BEDDING PLANTS

COLEUS Red Verschaffeltii-Yellow Queen and three other first-class varieties, HELIOTROPE, dark blue and AGERATUM, Cope's Pet, [illegible] 2¼ in. pots, [illegible] per 100, [illegible] per [illegible] rates. The plants are strictly first-class.

Cash with order

HENRY H. BARROWS & SON, Whitman Mass.

Mention the Florists' Exchange when writing.

PLANTS and ROOTED CUTTINGS

	100
Petunias, Dreer's strain, 2½ in. pots	$2.00
Geraniums, 2½ in. pots, La Favorite, Mme Thibaut, all double, Bruant, semi-double	2.00
Other good varieties, red, pink and light, fine collection, same size and price.	
Heliotrope, Queen of Violets and Chieftain, 2½ in. pots	2 00
Fuchsias, Elm City and Storm King, 2½ in	2 50
Ageratum, dwarf blue, 2½ in. pots	2.00
Rooted Cuttings, Gen. Bruant and John Loyd, fine, semi-double, red; S. A. Nutt, Mme. Thibaut double	1.25
Heliotrope, 3 varieties	1.00
Cuphea, Cigar Plant	.50
Verbenas from Henderson's Mammoth Seed,	.50

$4.50 per 1,000. **Cash with order.**

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings **CARNATIONS** Healthy Stock

	100	1000
Harry Fenn, J. H. Manley, Viola Allen	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premier, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root **ROSES** Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery.	**Bride, Bridesmaid, Golden Gate,** $12.00 per 100. **Liberty,** $15.00 per 100.

From 2¼ in. pots.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R. McArthur, M. Wanamaker, Mrs. T. L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand-Morel, Xeno, $2.00 per 100, $17.00 per 1000. Cullingfordi, H. W. Reiman, Ivory, J. H. Woodford, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Bergman, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100; $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 3 in. pots	$8 00	
Asparagus Sprengeri, from 3 in. pots, strong.	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts.	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single.	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No. 2 grade, $12.00 per 1000 Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

Hail Storm in Detroit.

On Friday, April 3, a hailstorm struck Detroit and district, doing considerable damage to greenhouses.

In Woodmere the storm was severest. Charles Warncke, the florist, lost about 2,000 lights of glass in his greenhouses, and it is estimated that his loss will amount to $800. Many plants were ruined by the falling glass and hailstones. A. W. Steincke & Son, Woodmere, were also heavy losers. Their greenhouses were damaged to the extent of $800. Gustav Knoch lost about $200 worth of glass and plants, while Beard Bros., on Fort street, suffered to the extent of $500. Anton Kaier's greenhouses were shattered, and it is estimated that it will require at least $400 to put them in repair.

Passing over Woodmere, the storm headed in the direction of Greenfield, where Frank Brown's greenhouses were assailed. Between 200 and 300 lights of glass were destroyed and many carnation plants badly cut. S. Taplin, at Fort and Twenty-fourth streets, suffered about $400 damage.

Thompsonville, Conn.

D. Wm. Brainard held his annual display of Easter plants and flowers April 7 to 11, inclusive. His new office and salesroom adjoin his greenhouses.

Minneapolis.

The organization of the Minneapolis Florists' Club was completed at a meeting held Thursday, April 2. The club has about forty charter members.

BABY PRIMROSE Primula Forbesii, to clear out, 4 in., $5.00 per 100, 3 in., 4.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

CYCLAMEN Best strain, once transplanted.

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

CANNAS

Our Stock is true to name, extra selected, 2, 3, 4 eyed roots.

	100		100
Alphonse Bouvier	$2.00	Italia	$2.50
Austria	1.50	John White	2.00
Allemania	3.00	Mme. Crozy	1.50
Alba rosea	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty, new	8.00	President Cleveland	2.00
Coronet	1.50	Robusta, bronze leaf	2.00
Comte de Bouchard	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture 1000 $10.00	1.00
Egandale, red leaf	3.00		
Florence Vaughan	2.50		

DAHLIAS

Field grown, all leading kinds, best for cut flowers, named, $3.00 per 100, $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O., BALTIMORE, MD.

Mention the Florists' Exchange when writing.

50,000 CANNAS

Pot now. Nice started sound roots.
$2.00 per 100; $15.00 per 1000.

Mme Crozy, Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Chas. Henderson, Burbank, Austria.

Philadelphia, Golden Moon, Queen Charlotte, Canary Bird, Leopard, Duke Marlborough, $3.00 per 100.

Souvenir d' Antoine Crozy, 6 cts.; Gloriosa, 6 cts.; Rosemaur (pink), 8 cts.; Maiden's Blush (pink), 8 cts.; Pink Beauty, 6 cts.; Unnamed, good colors, $1.25 per 100; Bronze Beauty, red leaved, 4 cts. 1000 Potted Canas later.

VIOLETS 5000 Lady Hume Campbell, strong Fall runners, from soil, $1.00 per 100; $10.00 per 1000.

Vinca major var., 4 in., $5.00 per 100, 2½ in., $3.00 per 100.

1500 **Tritoma Uvaria,** field roots, $6 00 per 100.

1000 **Halleana Honeysuckle,** 4 cts.

1000 **Clematis Paniculata,** 2 years old, 5 cts.

1000 **English Ivy,** 2½ in., $3.00 per 100.

1000 **Hydrangea Paniculata,** 4 years, 15 cts.; 2 years, 8 cts.

1000 **Double Gen. Grant Geranium,** 2½ in., $2.00 per 100.

1000 **Caladiums,** large bulbs, 6 cts.; medium, 4 cts. Started in sand, 6 cts. and 8 cts.

5000 **Shrubs and Vines.** Send for list.

Cash please.

BENJAMIN CONNELL
WEST GROVE, PA.

NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, 75c. each; $7.50 per Dozen; $50.00 per 100.

GREAT REDUCTION

On the best list of Cannas ever offered; **50 Varieties,** all different shades; **strong healthy roots. Our Cannas never kept so well.** Prices have been lowered **25 per cent.** to reduce surplus. This offer good for a short time only. No order accepted for less than 100 roots, or 10 of a kind, at these prices.

PINK SHADES.

		Per 100
Louise		$6.00
Betsy Ross		6.00
Luray		2.25
Martha Washington		3.00
Improved Duchess of Marlborough		2.25
Shenandoah, bronze leaf		2.25
Eastern Beauty, bronze leaf		6.00
Mlle. Berat		2.25
Pink Ehmanii		2.00

RED SHADES.

Brandywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		6.00
Cherokee, new		4.50
Black Prince		3.00
Blazing Torch		2.25
Olympia	$18.00 per 1000,	2.25
Philadelphia	18.00 "	2.25
Duke of Marlborough	18.00 "	2.25
Pillar of Fire		3.50
Pennsylvania, orchid-flowering, per 1000	$67.50	7.50
Chas. Henderson		2.00
Partenope, orchid-flowering		4.00
Columbia		2.25
Chicago		2.25
Baltimore		3.00

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$6.00
Queen of Holland		4.50
Evolution		6.00
California		3.00
Coronet		3.00
Primrose		2.00
Duchess of York		3.00
Florence Vaughan	$18.00 per 1000;	2.25
Comte de Bouchard		3.00
Austria	$15.00 per 1000.	2.00
Burbank		2.00
James Wood, orange		4.00
L. E. Bailey		2.50
Eldorado		3.50

VARIEGATED SHADES.

Duke of York, a new Canna with very large flowers and most striking appearance		7.50
Niagara		6.00
Augusta		3.00
Gloriosa		6.00
Mme. Crozy	$18.00 per 1000;	2.25
Queen Charlotte	18.00 "	2.25
Allemania	18.00 "	2.25
Italia	18.00 "	2.25
Alsace, creamy white	18.00 "	2.25

EXTRA MIXED CANNAS, great variety in color, $1.00 per 100, $8.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

APRIL 17 SANDER'S GREAT SALE OF ORCHIDS APRIL 17

CONSISTING OF LARGE IMPORTATIONS DIRECT FROM THE TROPICS OF

1000 DENDROBIUM FORMOSUM GIGANTEUM

The finest and largest white flowered Dendrobe in cultivation; most useful for cutting.

500 DENDROBIUM PHALÆNOPSIS

Long spikes, pink and rich purple blossoms; also very showy and useful.

250 DENDROBIUM WARDIANUM

A Christmas flowering variety.

Also **300 CATTLEYAS** and quantities of **CYPRIPEDIUMS, ONCIDIUMS, CŒLOGYNES, ODONTOGLOSSUMS, ETC.,** lotted to suit both large and small buyers, which

CLEARY & CO. 60 Vesey St., N. Y. City Will sell for account of SANDER & SONS, St. Albans, England

ON FRIDAY, APRIL 17, 1903 AT 12.30 P. M.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate**, 2 in. pots, $3.00 per 100. **Ivory**, $4.00 per 100. **Helen Gould**, $6.00 per 100. **Mrs. Oliver Ames. Bridesmaid**, $3.00 per 100.

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

R·O·S·E·S

Fine young roses, from 2½ in. pots. Two-year-old roses, $9.00 per 100; 2-year-old H. P., $12.00 per 100.

CHRYSANTHEMUMS.

2 in. pots, $2.50 per 100.

CARNATIONS—Plants.

2 in. pots, $3.00 per 100. Following varieties: Ethel Crocker, The Marquis, Flora Hill, Wm. Scott, Daybreak, America, Mrs. F. Joost, G. H. Crane, Armazindy

CANNAS.

3 in. pots. $4.00 per 100; 4 in. pots, $6.00 per 100. Following varieties: Queen Charlotte, Austria, Charles Henderson, Florence Vaughan, Italia, Mme. Crozy, Alphonse Bouvier, Burbank and Allemania.

PALMS.

Phœnix Reclinata, 8 in. pots, $12.00 per doz.
Latania Borbonica, 8 in., $10.00; 6 in., $6.00 per doz.
Kentia Forsteriana, 5 in., $7.00 per doz.
Kentia Belmoreana, 5 in., $7.00 per doz.; 4 in., $4.00 per doz.
Asparagus Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $15.00 per 100.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00.
Vincas, 2 in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00; 4 in., $6.00.

NATIONAL PLANT CO., DAYTON, OHIO

Mention the Florists' Exchange when writing.

ROSES

AMERICAN BEAUTY, own roots, $8.00 per 100; $75.00 per 1000.
BRIDE AND BRIDESMAID, own roots. $5.00 per 100; $45.00 per 1000

Strong, healthy plants, ready to ship.

A. N. PIERSON
CROMWELL, CONN.

Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries,
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Choice young Rose Stock, all grafted on Manetti after being carefully selected.

	Per 100
BRIDE, 2½ inch pots	$10.00
BRIDESMAID, 2½ inch pots	10.00
LIBERTY, 2½ inch pots	15.00

CARNATIONS—Rooted Cuttings

	Per 100		Per 100
PROSPERITY	$1.50	G. H. CRANE	$2.00
FLORIANA	2.00	MRS. LAWSON	2.00
THE MARQUIS	1.00	WHITE CLOUD	1.50
AMERICA	1.50	GOLD NUGGETT	2.00

Our Cuttings are all selected for strength and health. No order for less than 50 of one variety filled at these prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Geraniums

ROOTED CUTTINGS.

S. A. Nutt, Double Gen. Grant, Ricard, Harrison, Landry, Castris, Montmart, Poitevine. $10.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Jean Viaud (large lot)	per 100,	$1 50
Castellane, Acteon, La Pilot	"	1 50
Perkins, Bonnot, Castris	"	1 50
Poitevine, Jaulin	"	1 50
Buchner, La Favorite	"	1 25
Heteranthe, Landry	"	1 25

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

ROOTED ROSE CUTTINGS

Select 2 and 3 eye cuttings, strongly rooted. Will make good plants for early planting. Bridesmaid, Bride, per 100, $1.50; per 1000, $12.50. Meteor, Golden Gate, per 100, $1.50; per 1000, $12.50. Perle, per 100, $2.00; per 1000, $17.50. Ivory, fine, per 100, $3.00; per 1000, $25.00.

Geraniums. Elegant 3 in. stock, in select bedding kinds, $5.00 per 100. Choice stock on which you can more than double your money in a short time.

Boston Ferns, fine, cool-grown stock, 5 in., $25.00 per 100, 6 in., $40.00; 7 in., $60.00. Good profits in this stock. **Sprengeri**, 4 in., $8.00 per 100. **Vinca Var.**, strong 2 in., $2.50 per 100.

W. H. GULLETT & SONS, Lincoln, Ill.

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ROSES DORMANT FIELD-GROWN.

H. P., Mosses, Crimson Rambler,

A large stock in cold storage for delivery during March and April. Address

W. F. HEIKES, Manager,
Huntsville Wholesale Nurseries,
Cor. Lewis and O'Fallon Sts. **ST. LOUIS, Mo.**

Mention the Florists' Exchange when writing.

Two-Year-Old Roses

From 4 in. pots, extra strong, 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals	10.00 "

Violets, 2½ in., Lady Hume Campbell, Swanley White, California, Luxonne and Prince of Wales, $3.00 per 100; $25.00 per 1000.
Hydrangeas, Thos. Hogg and Monstrosa, 2½ in., $4.00 per 100, $35.00 per 1000.
Clematis Paniculata, 3 years old, strong, field-grown, $10.00 per 100.
Double Geraniums, 2½ in., $3.00 per 100; $25.00 per 1000.
Lemon, American Wonder or Ponderosa, $4.00 per 100; $35.00 per 1000.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 4 in., $7.00 per 100.
Asparagus Plumosus, 4 in. $8.00 per 100.
Honeysuckle, Chinese Evergreen, Halleana and Golden Leaved, $2.50 per 100.
Plumbago, white, $3.50 per 100.
Cyperus Alternifolius, $2.50 per 100, $20.00 per 1000.
Vinca Major Variegata, $2.50 per 100, 4 in., $8.00 per 100.
Achillea, The Pearl, $3.00 per 100; $25.00 per 1000.

THE SPRINGFIELD FLORAL CO.
Reorganization of Jno. A. Doyle & Co.
SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

2½ inch. Speak quick if you want them for cash, as they are in condition for a shift.
American Beauty, $5.00.
Bride and **Bridesmaid**, $3.00.

E. WALLER, Tonicup Greenhouses, **Morristown, N. J.**

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AMERICAN BEAUTY

No more Rooted Cuttings, no more 2-inch plants Extra fine plants of 2½ inch stock at $50.00 per 1000. New York bank draft or certified check only received in payment.

F. D. VREELAND, Paterson, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS 4 in., in bloom and bud Jean Viaud, Mrs. E. G. Hill Bruanti, etc., $6.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing

GERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, Nutt, Buchner, Bruanti, J. P. Cleary, Dryden, Hill, Mt. of Snow $1.30 per 100. La Soleil, J. Viaud, $1.75 per 100.
COLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000. GIANT-LEAVED, 20 var., very showy, $1.00 per 100.
HELIOTROPE, Sage, Ageratum, plants 75c. per 100.
CANNAS, Red, white, yellow, etc., $1.00 per 100.
Alternanthera, P. Major, H. Nana, 75c. per 100. Grand red kinds, $1.00 per 100.
PANSY BARGAIN Transplanted heavy rooted, part in bloom, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

The Princess of Wales Violet

Violet growers cannot afford to to be without this grand and popular variety. Growers in the vicinity of Boston know that this Violet is rapidly and surely becoming more popular and sells for higher prices than any other variety, either double or single, growers in other sections have a great opportunity for taking up and growing this variety.

I have the largest and healthiest stock in the country and am booking orders NOW for strong young plants for April and May delivery, at $2.00 per hundred; $15.00 per thousand. 500 at thousand rates.

WILLIAM SIM, Cliftondale, Mass.

Mention the Florists' Exchange when writing.

GENISTA.

2½ in., per doz. **75 cts.**; per 100, **$5.00.**

	Per doz.	Per 100
Abutilon Savitzii, 2½ in	$0.75	$5.00
Pansy Pelargonium, 2½ in	75	5.00
Allamanda Williamsii, 2½ in	.75	5.00
Clerodendron Fragrans, 2½ in	75	5.00
Kentia Belmoreana, 2½ in	1 00	8.00
Araucaria Excelsa, 3 to 4 tiers	6.50	
Asparagus Sprengerii, 2½ in		4.00
Carex Japonica, 2½ in	.80	6.00

The Conard & Jones Co.,
WEST GROVE, PA.

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XXX Stock

ROSE GERANIUMS, strong 3s, $4.00 per 100.
HELIOTROPES. Very strong, 3 in., well branched, in bud, $3.50 per 100.
AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2.00 per 100.
LOBELIA. Emperor William, best dwarf dark blue, very strong, 2 in., $2.00 per 100.
VERBENAS. Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2.00 per 100.
PETUNIA. Giant singles, 2 inch, $2.00 per 100.
PHLOX. New dwarf, fancy colors, grand for pot sales. Strong, 2 inch, $2.00 per 100.
GIANT PANSIES, GIANT DAISIES and Ever-blooming **FORGET-ME-NOT Constance**, all transplanted, cold-frame grown, $1.50 per 100.
CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00; ½ pkt., 50 cts.
PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.
JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

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HAERENS BROS., SOMERGEM, BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **EASTER FORCING PLANTS.** We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Hærensiana), a soft pink, and we make the special offer of 100 nice 12-14 inch plants for $25.00 at our nursery. **Send your orders** for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application. **AUGUST RÖLKER & SONS,** P. O. Box 752, **31 Barclay St., New York**

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbenas, new mammoth	$0 40	$3 00
Asters, Early Market	35	2 50
Candytuft, and **Alyssum,** Gem	30	2 00
Daisies and **Pansies**	40	2 50
Phlox, Star and Compacta	40	3 00
Fuchsias, out of 2½ in. pots fine	2 50	
Sweet William, large field clumps	4 00	

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

BIG LIST OF SPECIALS

	Per 100
Geraniums, fine stock, 2 in.	$2 00
Petunias, double fringed, 2 in.	2 00
" Harvard's Star, 2 in.	3 00
Tradescantia, green and var., 2 in.	1 00
Chrysanthemums, 10 sorts, labeled, 2 in.	2 00
Selaginella Denticulata (Moss Fern), all right for Easter, strong, 2 in	2 00

Also Verbenas, Asters, Sweet Alyssum, Scarlet Sage, Celosias, Feverfew, Lobelia and all kinds of Spring stock.

Write us. We can save you money.

E. I. RAWLINGS, Quakertown, Pa.

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Florists' Orchids

Large Importations Just Arrived

SANDER, St. Albans, England; Bruges, Belgium

Agent, A. DIMMOCK, 60 Vesey St., New York City

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PLUMOSUS NANUS

Good strong stock, just right for planting out, 2¼ in., at $4.00 per 100; 3 in., $8.00 per 100; 3½ in., $9.00 per 100; 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 100 6-in. pans, strong, healthy plants. Write for price.

Address **JOSEPH TOWELL, Paterson, N. J.**

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TWO OF THE GREATEST WONDERS

in the **Plant Kingdom.** The **RESURRECTION PLANT** and the **LIVING ROCK.** Full particulars and wholesale prices sent upon application. Samples of both plants sent postage prepaid on receipt of 50c.

NEWELL & AMES, Comstock, Tex.

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Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

SAGO PALMS

10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1.50 each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-grown clumps, $5.00 per 100

Asparagus Sprengerii, seedlings from flats, 80c. per 100 postpaid; plants from 3-inch pots, good stuff, $1.75 per 100, f.o.b.

Crinums, Amaryllis, etc., in large stock. Send for List.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

CYCAS REVOLUTA

A BARGAIN

FOR SALE—One dozen Specimen Plants with about 30 leaves, each 3 to 4 feet long. Will sell very cheap in order to make room.

Two Specimen plants of

ENCEPHALARTOS

in grand condition.

Private Dept. **JOHN LEWIS CHILDS,**
Floral Park, N. Y.

Mention the Florists' Exchange when writing.

FERNS and PANSIES

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Pansies, strong clumps, in full bloom, $1.75 per 100.

Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

The New Nephrolepis Fern

ANNA FOSTER

The most beautiful fern yet introduced. Very prolific; quick seller; very low prices. From 3 in., $20.00 per 100.

Kentias, $50.00, $75.00, $100.00 per 100. **Rubbers,** $4.00 to $6.00 per doz. **Asparagus Sprengeri,** 4 in., strong, $6.00 per 100.

Coleus, R. C., mixed, $5.00 per 1000; 60c. per 100. Red, yellow and black, $7.50 per 1000; 80c. per 100.

L. H. FOSTER, 45 King St. Dorchester, Mass.

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NOW IN BLOOM!

AZALEAS CENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

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A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown; well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5, 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.
Dracæna Indivisa, 4 in. and 5 in., $10.00 and $25.00 per 100; 3 in., $5.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Frances Perkins, 2 in., $2.50 per 100.
Geraniums, 3 in., $5.00 per 100.
Carnations, Portia, Ethel Crocker, Goodenough, Wm. Scott, White Cloud, F. L. Ine.
Coleus, mixed, **Ageratum,** blue and white, **Verbena, Scarlet Sage.**
Petunia, Lobelia.
All 2 inch pots, $2.00 per 100.
Achyranthes, red.
Alternanthera, red and yellow.
Pansies, ready to bloom, $1.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

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ORCHIDS

Just arrived from the East Indies, a shipment of

VANDA CŒRULEA
(The Blue Orchid)

Write for prices; we have them by the hundred.

LAGER & HURRELL, Summit, N. J
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

In order to make room for Fern Seedlings for our Summer trade, we offer you while they last a fine stock of the following:

Assorted Ferns, for jardinieres in twelve of the best varieties, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rate. (Samples free.)

Adiantum Cuneatum. 4 in. plants, $15.00 per 100; $140.00 per 1000; 5 in., $25.00 per 100.

Adiantum Gracillimum. 3 in., $6.00 per 100; 4 in., $10.00 per 100.

Telephone Call 29-1

Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

FERNS.

Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

BOUGAINVILLEA, 4 and 5 in., $2.50 per doz.

FICUS ELASTICA, 5 and 6 in., fine, $4.00 to $6.00 per doz.

BEGONIA, Erfordii and Dew Drop, in bloom, 2½ in., $2,50 per 100.

BEGONIA METALLICA, 3 in., $3.00 per 100.

ABUTILON, Eclipse and Splendens, 3 in., $3.00 per 100.

ANTHERICUM, variegated, 3 in., $3.00 per 100.

LOBELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

HYBRID MOON VINES

A. W. Smith's Ipomœa Noctiflora, the best, earliest pure white Hybrid Moon Vine in existence. Thriving plants from 2½ in. pots, ready for 4 in., $5.00 per 100.

Cineraria Hybrida for Easter blooming. Surplus stock at the following greatly reduced prices, to wind up. Strong plants from 3 in. pots, at the rate of $3.00 to $4.00 per 100, ready to shift into 5½ in. Four inch, at the rate of $5.00 to $6.00 per 100.

GODFREY ASCHMANN, 1012 Ontario St., PHILADELPHIA
Bell Phone 6-36-69a.
Wholesale Grower and Importer of Pot Plants

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS. 3 in., fine, bushy, $6.00 per 100.

ASPARAGUS SPRENGERI. 2¼ in., $2.00 per 100.

LITTLE BEAUTY FUCHSIAS. 2 in., $5.00 per 100.

MME. SALLEROI GERANIUMS. 2¼ in., $3.00 per 100; 3 in., $4.00 per 100.

SMALL FERNS, for dishes 3.50 per 100.

COLEUS in variety, 2½ in., $2.50 per 100.

CHRYSANTHEMUMS. Fine assortment of standard varieties, 2¼ in., $2.50 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100;	$50.00 per 1000
3 in pots	12.00 " "	100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)
$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

BUCKBEE'S FAMOUS PANSY PLANTS

Extra fine, stocky, September transplanted and wintered in cold frames. Our special Giant Trimardeau, Rainbow, International, Peacock, Butterfly, and 50 named sorts, all in grand assortment, in bud and bloom, $1.50 per 100; $10.00 per 1000. Low special express rates and light packing. Seedlings, $4.00 per 1000.

CANNAS Beautiful roots, just started. Our own growth, Burbank, Florence Vaughan, Grand Rouge, Austria, Allemania. Souv. du Pres. Carnot, Mlle. Berat, Chas. Henderson, Souv, de Antoine Crozy, $2.00 per 100; $15.00 per 1000. Packing free. Low special express rates.

H. W. BUCKBEE, Rockford, Illinois

ROCKFORD SEED FARMS. FOREST CITY GREENHOUSES

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies.

Strong, fine stocky plants, in mixed colors, by mail, 75c. per 100; $3.00 per 1000; $25.00 per 10,000. Large transplanted plants, in bud and bloom, $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING

Fine plants from field, $5.00 to $20.00 per 1000, f. o. b. express here. Assortment very good.

CASH WITH ORDER.

CHR. SOLTAU, 199 Grant Ave., Jersey City, N. J.

Mention the Florists' Exchange when writing.

PANSIES

Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Cassier and Odier prize strains, 60c. per 100; $4.00 per 1000. Extra large plants, coming in bud, $1.00 per 100. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., 75c. per 100; $5.00 per 1000. Asparagus, from flats, ready for potting Sprengeri, $1.00 per 100; $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. **GERANIUMS**, Nutt, Grant, F. Perkins, La Favorite, 4 in., in bud and bloom, $6.00 per 100. Terms, Cash. **Hill Top Greenhouses,** 15-16 Gray Ave., **Utica, N. Y.**

Mention the Florists' Exchange when writing.

PANSIES

	100	1000
Royal Exhibition and Giant Trimardeau, in bud and bloom	$1.25 1.00	$10.00 8.00
Bellis Perennis	.75	6.00
Blue Forget-me-nots	1.00	10.00
Verbenas, $2\frac{1}{4}$ in.	3.00	
Vincas, 4 in.	10.00	

Rubbers, 6 in., 2 feet high, $5.00 per doz.

J. S. BLOOM, RIEGELSVILLE, PA.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES,** unsurpassed quality. Fine bushy plants, in bloom, $1.00 per 100; $8.00 per 1000.

Good stocky plants, coming in bud, $3.00 per 1000.

Bellis (Daisies). Largest double red and white, fine plants, in bud, $2.00 per 1000.

All the above, 500 at 1000 rates.

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

(ROEMER'S).

100,000 wintered over. Fine plants coming in bud, $2.50 per 1000; smaller size, $2.00 per 1000. CASH.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

100,000 PANSIES (The Jennings Strain)

Fine stock, all transplanted.

(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100. 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.

Cash with order

E. B. JENNINGS, Southport, Conn.

Lock box 254. Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane St., N Y.

LAWSON Fine rooted cuttings, $2.00 per 100. Enchantress, Hallowarden, Marshall Field, Louise Faber, $10.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS and ROSES

Rooted Cuttings for Sale.

	Per 100
Mrs. Thos. Lawson	$2 50
Genevieve Lord	2 00
Lorna	2 00
Floriana	2 00
Norway	2 00

BRIDE AND BRIDESMAID ROSES

From $2\frac{1}{2}$ in. pots . . . . . $2 00 per 100
" 3 " " . . . . . . 2 50 " "

A. L. THORNE, Flushing, L. I.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings from Clean, Healthy Stock

NOW READY

	Per 100	Per 1000
MRS. THOMAS W. LAWSON	$2.50	$20.00
THE MARQUIS	1.25	10.00
GOLDEN BEAUTY	5.00	....
J. H. MANLEY...75c. per doz.	6.00	50.00
HARRY FENN...75c. per doz.	6.00	50.00

THEODOR LEONHARD

P. O. Box 1646 **Paterson, N. J.**

Mention the Florists' Exchange when writing.

MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

ENGLISH IVY. From 4 to 5 feet high, fine bushy plants in 4 inch pots, per 100, $12.00; per 1000, $110.00. **PANSIES** in full bloom for Easter, per 1000, $30.00. Pansy Seed, genuine Mme. Perret, per trade pkt. 50 cents; oz. $5.00.

P. WENK, Clinton Ave.,
Ozone Park, L. I., N. Y.

Mention the Florists' Exchange when writing.

A SPLENDID LOT

	100
Of **DOUBLE** and **SINGLE PETUNIAS,** in 3 in. pots, in bud. Will make fine plants for early selling	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high; 3 in.	5 00
GAZANIA, Splendens, R. C.	1 50
SALVIA, 6 vars., R. C.	1 00
CUPHEA, Cigar Plant	75
AGERATUM, 5 vars	75
COBÆA SCANDENS, $2\frac{1}{2}$ in	2 50

The Following Ready April 15:

PETUNIAS, Ruffled Giants, 2 in	2 50
SHASTA DAISY, 2 in	3 00
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C. P., Speciosa and Compacta, 2 in.	2 00
VERBENAS, Michell's Giant, 2 in.	1 50
SALVIA, Clara Bedman, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in.	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.

Box 226.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1.25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates.

ROSE PLANTS

All from grafted stock. Extra fine.

	100	100
Bridesmaid, $2\frac{1}{2}$ in. pots	$3.00; 3 in.,	$3.50
Ivory, $2\frac{1}{2}$ in. pots	3 50; 3 in.,	4.50

Delivery April 10 to 15. Cash with order.

JAMES E. BEACH,

2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

White.

	Per 100	Per 1000
Wolcott	$5.00	$45.00
Norway	2.00	17.50
White Cloud	1.50	12.00

Red.

	Per 100	Per 1000
Apollo	6.00	50.00
Estelle	5.00	45.00
G. H. Crane	2.00	17.50
Gen. Gomez	2.00	17.50
Gen. Maceo	2.00	17.50

Pink.

	Per 100	Per 1000
Nelson	6.00	50.00
Cressbrook	4.00	35.00

Pink.

	Per 100	Per 1000
Mrs. Lawson	2.00	17.50
Morning Glory	2.00	17.50
Mrs. F. Joost	1.50	12.00
The Marquis	1.50	12.00
Triumph	1.00	8.00

Variegated.

	Per 100	Per 1000
Gaiety	4.00	35.00
Stella	5.00	45.00
Prosperity	3.00	25.00

CHRYSANTHEMUMS **Rooted Cuttings.** It is well to have the right varieties at the right time of the year, for that is where you make your money. Our stock is healthy, and now is the time to order. The following list is given as to succession of blooming of each color.

White.	Per 100	Yellow.	Per 100
Opah	$6 00	Golden Wedding	$4 00
Willowbrook	2 00	Yellow J. Jones	3 00
Polly Rose	2 00	Goldmine	4 00
Robinson	2 00	Golden Beauty	4 00
Mayflower	3 00	**Pink**	
Weeks	3 00	Lady Harriett	4 00
Fee du Champs aur.	3 00	Glory Pacific	2 00
Princess Barsarabba	3 00	Helen Bloodgood	4 00
T. Eaton	3 00	Dalskov	2 00
Jerome Jones	2 00	Autumn Glory	2 00
Yellow.		Mrs. Perrin	3 00
Monrovia	2 00	Mary Hill	4 00
Parr	3 00	Murdock	2 00
Halliday	3 00		
Col. Appleton	2 00	Calvart, light rose	6 00
Parks	3 00	Malcolm Lamond, red	5 00
Bonnaffon	2 00		

Mlle. Lager and yellow Eaton, 50cts. each; $5.00 per doz. $2\frac{1}{2}$ in. pot plants, $1.00 extra per 100.

BOSTON FERNS. $2\frac{1}{2}$ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in., 15c. each: 7 in., $1.00; 8 in., $1.25.

Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

CARNATIONS

MORNING GLORY............$12.50 per 10
QUEEN LOUISE...............$15.00 per 10

Will have others April 27 to May 11.

Watch my Advt.

ALBERT M. HERR, Lancaster, P

Mention the Florists' Exchange when writin

Carnations

Rooted Cuttings

	100		10
Floriana	$3.00	**Eldorado**	$1.
Gen. Maceo	1.50	**Genevieve Lord**	1.
Morning Glory	1.50		

JEWETT CITY GREENHOUSE

Jewett City, CONN.

Mention the Florists' Exchange when writin

CARNATIONS

Fine Health
Rooted Cuttin

	Per 100	Per 1
Mrs. T. W. Lawson	$2 50	$22
Hill Sport	2 00	17
G. H. Crane	2 00	17
Gov. Roosevelt	2 00	17
Norway	1 50	
Mrs. Bradt	3 00	
J. H. Manley	5 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N.

Mention the Florists' Exchange when writin

CARNATION

Rooted Cuttings

		100	10
Mrs. Theodore Roosevelt		$12.00	$100
Alpine Glow		8.00	75
Harry Fenn		6.00	50
Viola Allen		6.00	50
Challenger		5.00	40
Gaiety		6.00	50
J H. Manley		6.00	50
Mrs. Lawson		3.00	25
Golden Beauty		6.00	50
Lorna		3.00	25
Prosperity		3.00	25
Floriana		3.00	25
Lillian Pond	2 in. pots	10.00	
Her Majesty	2 in. pots	10.00	
Marshall Field	2 in. pots	12.00	
Gov. Lowndes	2 in. pots	12.00	

THE COTTAGE GARDENS, Queer L. I., N.

Mention the Florists' Exchange when writin

CARNATIONS

ROOTE
CUTTIN

The fact that we are rooting 90 per cent. sho quality of our stock.

Prosperity, $3.00 per 100; $25.00 per 1000. **Roosevelt,** $3.00 per 100; 25.00 per 1000. **Cressbroo** $3.50 per 100, $30.00 per 1000. **Mrs. Bradt,** $4.00 p 100, $35.00 per 1000. **Mrs. Lawson,** $3.00 per 1 $30.00 per 1000. **Golden Beauty,** $4.00 per 1 $35.00 per 1000. **G. H. Crane,** $2.00 per 100; $15. per 1000. **Daybreak,** $1.00 per 100; $10.00 per 10 **Gen. Gomez,** $1.50 per 100; $15.00 per 1000. **Ge Maceo,** $1.50 per 100; $15.00 per 1000. **The Ma quis,** $1.50 per 100; $12.50 per 1000. **White Clou** $1.50 per 100, $12.50 per 1000. **Flora Hill,** $1. per 100, $12.50 per 1000. **Queen Louise,** $3.00 p 100, $25.00 per 1000. **Genevieve Lord,** $1.50 p 100; $12.50 per 1000. **James Dean,** $1.50 per 1 $12.50 per 1000. **Mrs. Joost,** $1.50 per 100, $12. per 1000. **Eldorado,** $1.00 per 100; $8.00 per 10 **Wm. Scott,** $1.00 per 100, $8.00 per 1000. **Norwa** $2.00 per 100, $15.00 per 1000. **Floriana,** $3.00 p 100, $25.00 per 1000.

CHRYSANTHEMUMS

$2\frac{1}{4}$-i
Pots

	10
WHITE.	
Lady Fitzwygram	$3.
Robinson	3
Mrs. R. Weeks.	4
Jerome Jones	3
Polly Rose	3
Timothy Eaton	3
Willow Brook	3
White Bonnaffon.	4
Chadwick	3
Ivory	2
YELLOW.	
Col. D. Appleton	3
Yellow Pacific	3
Bonnaffon	3
Monrovia	4
Golden Wedding	4
October Sunshine	3
Yellow Robinson	3
Pennsylvania	3
Yellow Fitzwygram	4
PINK.	
Pacific	2 5
Helen Bloodgood	3
J. K. Shaw.	2 5
Maud Dean	3
Pink Ivory	2 5
Mrs. Coombs	4
RED.	
Black Hawk	3 5
John Shrimpton	4

We have a fine stock of rooted cuttings of Chry anthemums, which we offer at one-half the above listed prices.

ROSES **Bridesmaid and Bride,** $2\frac{1}{4}$ in. pots, $3.50 per 100; $30.00 per 1000.

American Beauty Stock, $2\frac{1}{4}$ in. pots, fine strong plants, $6.00 per 100, $55.00 per 1000.

ENGLISH IVY 4 inch pots, 24 inches high, $1.50 per doz.; $10.00 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

Carnation Cuttings

WELL ROOTED, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000		Per 100	Per 1000
Her Majesty	$10.00	$80.00	America	$1.50	$10.00
Potter Palmer	3.00	25.00	Norway	1.50	12.50
Queen Louise	2.50	20.00	Marquis	1.50	10.00
Flora Hill	1.50	10.00	Elma	1.50	10.00
White Cloud	1.50	10.00			

Guardian Angel (The Sport), per 100, $1.50; per 1000, $10.00.

2½-INCH ROSE STOCK.

Strong, healthy plants, for early benching.

	Per 100	Per 1000		Per 100	Per 1000
Ivory	$4.00	$35.00	Bridesmaid	$3.00	$25.00
Bride	3.00	25.00	Meteor and Gate	2.50	20.00

Ivory, rooted cuttings, per 100 $2.50; per 1000, $20.00.

All cuttings and plants sold with the express condition that if not satisfactory when received they are to be returned immediately, when money will be refunded.

Rooted Chrysanthemum Cuttings

WHITE	100	1000		100	1000
Timothy Eaton	$2 00	$15.00	H. W. Rieman	$1 50	$12 50
George Kalb	1 50	12 50	October Sunshine	1 50	12 50
Ivory	1 50	12 50	Golden Wedding	1 50	12 50
Lady Fitzwygram	1 00	8 00	Yellow Mayflower	1 50	12 50
Mme. F. Bergmann	1 50	12 50	W. H. Lincoln	1 50	12 50
Mayflower	1 50	12 50	PINK		
Minnie Wanamaker	1 50	12 50	Glory of Pacific	1 50	12 50
Mrs. H. Robinson	1 50	12 50	Mrs. Perrin	1 50	12 50
Merry Christmas	1 50	12 50	Mrs. Murdock	1 50	12 50
White Bonnaffon	2 00	15 00	Pink Ivory	1 50	12 50
W. H. Chadwick	1 50	12 50	Viviand-Morel	1 50	12 50
YELLOW			Marian Newell	1 50	12 50
Yellow Fitzwygram	1 00	8 00	RED		
Col. D. Appleton	1 50	12 50	Defender	1 50	12 50
Major Bonnaffon	1 50	12 50	Oakland	1 50	12 50

WIETOR BROS., 51 Wabash Avenue, CHICAGO

Mention the Florists' Exchange when writing.

THE QUEEN

HE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The alyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 00, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

rice, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

AILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

The finest White Carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was also recently awarded First Prize and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in April, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

nchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, President McKinley, White Bradt, Fragrance, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Adonis, $3.00 per doz.; $14.00 per 100; $120.00 per 1000.

Her Majesty, $2.00 per doz.; $10.00 per 100; $80.00 per 1000.

Lillian Pond, $2.00 per doz.; $10.00 per 100 $76.00 per 1000.

Innocence, $6.00 per 100; $50.00 per 1000.

Other Leading, New and Standard Varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

Chicago Carnation Co.

JOLIET, ILL.

Rooted Cuttings Ready to Ship

RED.	Per 100	Per 1000	WHITE.	Per 100	Per 1000
Estelle	$4.00		Her Majesty	$10.00	$80.00
Mrs. Potter Palmer	5.00	$40.00	Murphy's White	6.00	50.00
J. H. Manley	5.00	40.00	Gov. Walcott	5.00	45.00
Harlowarden	12 00	100.00	Lillian Pond	10.00	75.00
PINK.			Gov. Lowndes	12.00	100.00
Lawson	2 00	15.00	VARIEGATED.		
Cressbrook	5 00	40.00	Marshall Field	$12.00	$100.00
Mrs. E. A. Nelson	5.00	45.00	Gaiety	5.00	40 00
Mrs. Higinbotham	5.00	40.00	Stella	5.00	
Sibyl	12.00	100.00	Viola Allen	5.00	
Pres. McKinley	12.00	100.00			

We shall have a fine lot of AMERICAN BEAUTIES from 3 in. pots, May 1st, at $7.00 per 100; $65.00 per 1000.

Mention the Florists' Exchange when writing.

100,000 Unrooted Carnation Cuttings

	Per 100	Per 1000		Per 100	Per 1000
Governor Walcott, white	$2.00	$20.00	**Governor Roosevelt,** crimson	$1.00	$7.50
Alba, white	2.00	20.00	**General Maceo,** maroon	1.00	7.50
Golden Beauty, yellow	2.00	20.00	**Dorothy,** pink	1.00	7.50
Stella, variegated	2.00	20.00	**Eldorado,** yellow	.80	5.00
Apollo, scarlet	2.00	20.00	**Gold Nugget,** yellow	1.00	7.50
Norway, white	1.00	7.50			

Grown cool. Express paid at above figures. Cash.

California Carnation Co., Loomis, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Genevieve Lord**	$1 25	$10 00
The Marquis	2.00	15.00	**Nelson**	5 00	40 00
Dorothy	2.00	15.00	**Cressbrook**	4 00	35 00
Guardian Angel	1 25	10 00	**Triumph**	1 25	10 00
			Higinbotham	5 00	40 00

RED.

Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	3 00	25 00	**Chicago (Red Bradt)**	2 50	20 00
G. H. Crane	2 50	20 00			

WHITE.

Flora Hill	1 50	12 50	**White Cloud**	1 25	10 00
Queen Louise	2 50	20 00	**Hoosier Maid**	1 25	10 00
Peru	1 25	10 00	**Murphy's White**	6 00	50 00

VARIEGATED.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. G. M. Bradt	$2.50	$20.00	**Gaiety**	$3.00	$25.00

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Liberty	$8.00	$75.00	**Bride**	$4.00	$35.00
Pierre De Notting	8.00	75.00	**Golden Gate**	4.00	35.00
Kaiserin	4.00	35.00	**Perle**	4.00	35.00
Bridesmaid	4.00	35.00	**Sunrise**	7.00	65.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants or cuttings of any variety. No plants or cuttings sent by mail.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
American Park and Outdoor Art Association ... 428
American Peony Society ... 429
Begonia longipila (Illus.) ... 430
Bowling ... 434
Briefs for Busy Florists ... 430
Canadian News ... 436
Catalogues Received ... 420
Carnations ... 430
Changes in Business ... 434
Chrysanthemums, Manures for ... 428
Correspondence ... 429
Firms Who Are Building ... 434
Hail Storm at Detroit ... 423
Lily Field, A Bermuda (Illus.) ... 431
Market, Review of the ... 436A
Nursery Department ... 421
OBITUARY:
  J. Frank Greene (Portrait) ... 428
Planting for Suburban Homes ... 432
Question Box ... 431
Roses and Vines (Illus.) ... 432
Roses for the South ... 431
Seed Trade Report ... 420
Supplement—Mont Blanc Canna ... 428
Snails in Gardens ... 430
TRADE NOTES:
  New York ... 432
  Hartford, Conn., New Bedford, Conn. ... 433
  Boston, Indianapolis, Philadelphia ... 436A
  Chicago, Cromwell, Orange, N. J. 437
  Los Angeles, San Francisco ... 439

In addition to galvanizing iron-framed tables and beds, The Lord & Burnham Company intend to galvanize the angle iron eave plate in commercial greenhouses at a slight extra cost whenever the owner desires it.

The firm of H. A. Dreer, Philadelphia, has sent direct to Belgium a consignment of Pandanus Sanderi, to be exhibited at the Great Quinquennial Exhibition at Ghent, which takes place this month. The plants have arrived in excellent condition, proving their fine shipping qualities, and will occupy a space of 60 feet at the show.

American Park and Outdoor Art Association.

The use of buildings, landscapes and fences, especially along the lines of railroads and in our larger cities, for advertising purposes, seems to be on the increase, and to be degenerating into an abuse. The American Park and Outdoor Art Association has inaugurated a movement to check the tendency. Cities and towns are being urged to adopt ordinances imposing fines for advertising on electric light, telegraph, telephone and street car poles, trees and tree boxes. Laws have been prepared for introduction into the State legislatures to prevent the pasting, painting, branding, stamping, or placing of advertisements on any building, fence, bridge, gate or other object upon the grounds of any of the State institutions; or of those of a private citizen or corporation without the written consent of the owner or tenant. Such a bill introduced into the Pennsylvania Legislature by the Hon. Leslie Yates, of Philadelphia, at the request of the association, has now become law.

The general adoption of such ordinances and law will tend to do away with the present disfigurement of the landscape and to give greater encouragement to those individuals and corporations disposed to aid in the artistic development of our urban and rural life. The association has likewise taken up the question with the Federal Government with a view to having Congress enact similar legislation. In pursuance of the same general plan, the association addressed a letter to the presidents and officers of the railroads of the country, calling their attention to the steady development of landscape work in parks, cemeteries and private grounds, growing out of a more intelligent and cultivated taste in such matters, and suggesting that the railroad managers of the country consider the question of beautifying the grounds, buildings and bridges about the stations and terminals by careful planting. In its letter the association said:

"Many roads have already begun such improvements. We might mention a dozen companies whose station grounds and bridges have been improved by ornamental planting and that encourage their employees to make the property of the road as pleasant as possible to the public eye. Unsightly buildings and sheds can, in time, be entirely obscured and the grounds about the station can easily be made attractive and artistic at small expense by the planting of native trees and flowering shrubs."

Manures for Chrysanthemums.

A committee of the National Horticultural Society of France was appointed in 1901 to act with a similar committee of the French Society of "Chrysanthemists" to ascertain by practical experiment what are the best artificial manures to employ in the culture of chrysanthemums.

A report was presented to the National Horticultural Society in December last by M. Georges Trauffaut giving the principal results of the experiments carried out for these objects. Of these we propose to give a brief summary, based on the report published in the Journal of the Society.

Nine cultivators, scattered over as many districts of France, first all submitted for analysis samples of the soil they intended to use, no manure of any kind being added. Each of the nine growers experimented with a single variety, Madame Gustav Henry, a variety of moderate vigor, and with pure white flowers. M. Nonin alone chose two varieties, viz., Madame Gustav Henry and Mlle. Laurence Zédé, a more vigorous variety.

The plants were all grown in three different ways—1, plants allowed to form three stems; 2 plants with six stems; 3, plants grown without any disbudding. Twenty-four plants were grown in each of these three ways. Each grower thus had seventy-two plants under observation, the total number being about one thousand.

Of the twenty-four plants observed by each cultivator in each of the three sections, four received no manure, and served as control plants; four received a complete manure; four a similar manure, but in double quantity; four a complete manure with no nitrogen; four a complete manure with no potash; four a similar manure from which the phosphoric acid was eliminated.

The manures were mixed with the potting soil in April, and, from August onwards, they were given in the form of solution.

The "complete" manure had the following composition: Fish guano, 25 per cent.; dried blood, 16 per cent.; sulphate of potash, 24 per cent.; double superphosphate, 35 per cent.; the analysis of which gave four-fifths nitrogen, eleven-twelfths potash, fifteen-sixteenths phosphoric acid.

The soluble manure consisted of phosphate of potash, 54 per cent.; nitrate of soda. 46 per cent.; or nitrogen, 6.9 per cent.; potash, 14.04; phosphoric acid, 20.52.

The quantity used was at the rate of nine hundred grammes to one hundred kilogrammes of soil. The liquid solution was used in the proportion of two grammes to one litre of water. Each experimenter undertook to present to the Congress at Angers, in November, 1902, at least eighteen plants; that is to say, one specimen illustrative of the mean result obtained in each series, and each experimenter acted up to his obligation. There were thus shown at Angers one hundred and eighty plants arranged in three rows, and each appropriately labeled.

The principal objects of these experiments was to show by growing in sterile soil (white sand), the influence of nitrogen, potash and phosphoric acid respectively. The object of the other experiments was: 1, to show the influence of the complete manure in soils of varied character, but of known composition; 2, to study the influence of climate or season on the action of the manures, and the cultivation of one and the same variety.

We cannot give the full details of this most interesting and important series of experiments, suffice it here to say, that the most successful result, as tested at the end of the experiment, was obtained where a double dose of the manure was employed, then came the plants treated to a single dose of complete manure; next in descending order, plants grown without potash, without nitrogen, and the worst of all (except, of course, the umanured plants) were those plants which had no phosphoric acid.

Phosphoric acid is thus shown to be of great importance to chrysanthemums, and as necessary to the formation of chlorophyll. Plants deprived of this ingredient had yellow foliage and a weak habit.

Without potash, the plants produced long weak stems, broad, thick, but flabby leaves, falling off from the least cause. The flower stems were large, hollow, but limp; the flowers large, but of bad shape.

When nitrogen is absent the plants are feeble, chlorotic, the leaves small and thick, the stems of small diameter, the flowers few in number, hollow in the center, and of small size.

M. Truffaut, in summing up the results of this grand series of experiments, advises cultivators to prepare a good compost of two-thirds sandy loam mixed with leaf-mould, and to submit the compost to a chemist for analysis. The chemist will then be able to ascertain if the requisite elements are in due proportion or not, and to advise accordingly.

Nitrogenous manures, it is found, should only be applied in small proportions, as plants grown with an excess of nitrogenous manure are more subject to the attacks of rust.

Nitrogen is most conveniently applied by means of dried blood, horn shavings, or guano in the requisite proportions; potash is best applied in the form of sulphate; and bone phosphate yields the necessary phosphoric acid. Soluble manures are requisite in the case of plants cultivated in pots from the middle of August.

As to climate, there was a difference of three weeks in the growth of plants grown at Lille and at Avignon respectively. M. Truffaut rightly says, that so far as practical details of cultivation are concerned a series of well-conducted experiments is of more value than ten years of discussion at congresses. But it must not be forgotte that congresses are necessary, in ord to secure that the knowledge obtaine from the experiments shall be disseminated among a class of persons n given to trouble themselves to rea technical papers.

M. Truffaut may be warmly congratulated on the successful results the experiments, and a debt of grat tude is due to him and his collab rators.

We may suggest, in conclusion, th the experiments be now extended, an that an analysis of the plants then selves made at the beginning, in t middle period, and lastly at the flowe ing stage.

We have accumulated a good deal knowledge of the chemical compositi of the soil, and also of the dead pla when cremated. What we want no is a fuller and clearer knowledge what the living plant does in the several stages of its career, and to th end an analysis of the plant as grow under varied conditions, and at di ferent periods in its life history, is quisite. M. Truffaut, who knows well the requirements of the cas might be solicited to undertake supervise these further experiment and the resources of the several chry anthemum societies could not be to better use than by furnishing t requisite financial assistance.—Ga deners' Chronicle.

Obituary

J. Frank Greene.

As announced in last week's issue, Frank Greene, of the firm of Greene Underhill, florists, Watertown, N. died March 29.

Mr. Greene had been suffering fro poor health for several years, but h last sickness was of very short dur tion.

Deceased was the son of the late W. Greene and was engaged in t florist business during his life. He w with his father under the firm name Greene, Son & Sayles, and later a up to the time of his death with G. Underhill.

Mr. Greene was a member of Wate town Council, No. 157, Royal Arcanu and of Corona Lodge, No. 705, I. O. F., and also of the original separa company, old Company C, when it w a private organization. He was a ma highly respected by all with whom came into contact in business relation and had a host of friends. He was great lover of home and spent all of h spare time there, rarely being seen the business portion of the city aft his work for the day was done. Besid the many friends who will mourn h demise with the greatest sincerity leaves a widow, two daughters, Mi Florence and Miss Bessie Greene, an one son, Westel Greene.

THIS WEEK'S SUPPLEMENT.

Canna Mont Blanc.

The colored supplement accompanying this week's issue is a representatio of the new canna, Mont Blanc, originated by Antoine Wintzer, of the fir of Dingee & Conard Co., West Grov Pa., by whom the variety is being disseminated. A full description of th canna appeared in our issue of February 14 last, on page 169.

The Pacific Coast Horticultural So ciety will hold a Spring exhibition the Maple Room, Palace Hotel, Sa Francisco, on April 30, May 1-2. J. W Bagge, 1231 Sacramento street, is manager, and Thomas A. Munro, 1701 Oa street, secretary. A premium list ha been issued.

MILWAUKEE, WIS.—Sidney Courteen, seedsman, has been electe president of the Milwaukee Chamber Commerce. He is one of the younges members ever elected to the positio and has been a member of the Chamb since 1892. Mr. Courteen is an activ member of the American Seed Trad Association. He was born in Monmouth, England, and came to thi country in 1883.

CORRESPONDENCE.

The Horticultural Rubber Ball.

Editor Florists' Exchange:

It is not often that a real mechanical floral novelty is seen—some of the Japanese monstrosities are odd and educational, but it has been left for the Yankee florist to japan the Japanese.

I saw in the greenhouses of J. B. Keller's Sons, of Rochester, N. Y., recently, an old Japanese fern ball that had been covered with that well-known little creeper Ficus repens, and lo and behold, the "horticultural rubber ball" has evolved. What a boon to the catalogue man, for Job, and the author of the "Ginger Jar." Truly, our art has entered on a new cycle. Next!

H. A. B.

Job and the Social Habit.

Editor Florists' Exchange:

What is the matter with Job, anyway? What makes him so cranky? Has he got a new boil? Can he get "no rest for the soles of his feet"? I am sorry to see that your editorial comments on, and the fact of your coinciding with, remarks made at the New York Florists' Club have upset his sensibilities to such an extent he is both "astonished" and "amazed" and finds fault with you for "advocating the convivial spirit," which I don't think you did, asserting only that such a spirit does exist among florists—an assertion which I think it will be hard to controvert. And if Webster defines the word right it is a spirit to be encouraged and not repressed.

Those must be queer clubs that Job belongs to where each member goes and buys a drink for himself; and, as I understand it, drinks by himself. That is a mean way to do. No conviviality about that. No member of the New York Florists' Club would be small enough to do it. The florist wants a convivial drink—a drink with a brother florist, or no drink at all.

I, too, belong to other organizations, but do not find in them the same wholesouled, genial, cordial spirit that exists in the florists' club. No one seems to think himself better than another there, whether at the convention, the outing, in the banquet hall or in the clubroom. All are on the level; the hearty hand-shake and "how do you do?" make you feel that you are with friends at once. Nobodv is mean enough to drink by himself there.

This puts me in mind of a remark made by my old friend, Jim Braik, of Buffalo, at the New York S. A. F. convention three years ago, "The florists are the only people on the face of God's earth, anyway," said Jim, and I am inclined to coincide with him.

Let Job join the New York Florists' Club and learn how to take a convivial drink. Lonesome drinking, to say the least, does not look well, and those who indulge in it are apt to be "stigmatized" as habitual drinkers, or worse! We have a brand there which I am sure would give him that which he evidently lacks, viz., nerve enough to sign his own name.

JOHN BIRNIE.

American Peony Society.

As a result of the preliminary meeting of this society, held in Brooklyn, N. Y., during the convention of the American Carnation Society in February last, the following officers have been elected temporarily to serve until the first annual meeting, which will be held in June, in Detroit, Mich., during the session of the American Association of Nurserymen:

President, C. W. Ward, Queens, N. Y.; vice-president, Guy A. Bryant, Princeton, Ill.; scretary, Arthur H. Fewkes, Newton Highlands, Mass.; treasurer, J. H. Humphreys (Wm. Warner Harper Co.), Philadelphia.

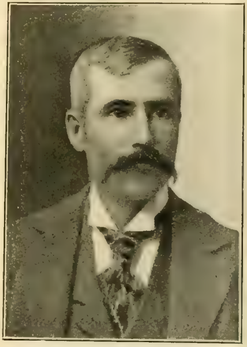
The membership comprises already most of the leading firms of the country interested in the peony. The initiation fee is $5.00 and the annual dues $3.00 per annum. This, it is thought, will provide an income which would seem to be sufficient to carry on the work of the association.

Any suggestions relative to the scope of the society and its work generally will be welcomed by the president.

Reflections on Current Topics.

Mr. Editor: That topic "Graft," was an interesting one to me, and no doubt to many others who are victims of its operation in this land of ours. It has, however, become so ingrained in all lines of business that its elimination, even by stringent legislation would seem impossible. In an English horticultural journal that I see occasionally I observed that the bill you refer to has been read a second time before the Commons and there are great hopes of its passing into law. The tenor of that bill may interest you.

It would enact that if any agent corruptly and without the knowledge of his principal accepted from any person any gift or consideration as an inducement or reward for doing or forbearing to do any act in relation to his principal's business he shall be guilty of a misdemeanor. A similar offence would be committed by any person who corruptly gave or offered to an agent such an inducement or reward, and also by any person who knowingly gave to an agent any receipt, account or document which was false, erroneous or defective. Offenders would be liable on conviction on indictment to imprisonment, with or without hard labor, for a term not exceeding one year, or to a fine not exceeding £500. There was a proviso that a prosecution for an offence under this act should not be instituted without the consent of one of the law officers of the Crown.



THE LATE J. FRANK GREENE.
See Obituary, page 428.

When one reflects on this thing, soberly, what an amount of injustice and harm is seen to arise from it. Deception, fraud, stultification of business, demeaning of manhood; in fact, everything that is degrading. I do not so much blame the recipient of the "graft" as I do those who tempt him. The trade should uproot the evil at once.

* *
*

What's this item of news that emanates from Buffalo? A flower show given by a department store, aided and abetted by the local craftsmen to the extent of appointing a manager and preparing a premium list for same. It is not so stated, but I presume the $1,000 to be given in prizes by the department store will be an equivalent for the stock exhibited, which, of course, becomes the propertv of that store, to be disposed of bv it. If my conjecture is correct, is this a square deal to the retailers of the Bison City, who buy their goods from the men who most likely will compete for that thou'? There are ways and means of interesting the public in matters horticultural, I think, without working harm to any one branch of the business; but that proposed is not one of these. The retailer is blamed for holding aloof from florists' clubs and other institutions of that kind. Would there be any pleasure in associating or co-operating with those who, at every turn, seek to balk the retail merchant in the securing of a legitimate trade, while at the same time soliciting his patronage for their own output? It is a blessing there are places other than Buffalo where chrysanthemums can be bought.

* *
*

I was never more convinced of the value of post-prandial oratory than this year. The "food for thought," or "for the soul," that follows consequent upon the consumption of viands and liquors has never been properly recognized. For an example, a speaker at the recent Rose Society banquet said some incontrovertible and wise things when orating on the horticultural press. It was the best thing for the trade; it not only published all their doings, but was also a great help in keeping some matters from being published; it was the best friend of a satisfactory 'bunch'." There in a few words we have mirrored the caliber of the constituency of, and the press itself. Yet there is a portion of the press that appears to me to lack judgment mightily as to what should be suppressed and what should appear. I refer to the sheets that scatter broadcast the poems of the poet laureate, the stale jokes of W. S., the fomentations of the ginger jar, and the reflections of JOB

INDEX OF ADVERTISERS

Allen J K .435
Altick H M .422
Amling E C .437
Anderson & Christensen .425
Andorra Nurseries .421
Aschmann G .425
Austin H .421
Bader J .425
Baker W J .436
Barrows H H & Son .423
Bartram J H .424
Bassett & Washburn 424
Bayersdorfer H & Co 440
Beach Jas E .426
Berckmans P J Co .420
Beckert W C .418
Berger H H & Co .419
Bernheimer E .436
Berning H G .437
Blaauw J & Co .421
Black C .420
Bloom J S .426
Blue Hills Nurs .420
Bobbink & Atkins .417
Bock W A .425
Bonnot Bros .435
Boston Letter Co .431
Bradshaw & Hartman 435
Brown Bros Co .420
Brown E C & Co .438
Brown P .424-26
Buckbee H N .426
Burpee W A & Co .419
Byer Bros .422-26
Caldwell the Woodsman 434
Cal Carn Co .427
Carmody J D .439
Chicago Carn Co .427
Childs J L .425
Chinnick W J .421-23
Clucas & Boddington 417
Coldwell Lawn Mower 440
Comstock & Lyon Co 421
Conard & Jones Co 423-24
Connell, B .423
Coolidge Bros .422
Cottage Gardens .426
Cowee A .418
Cowee W J .438
Cowen's N Sons .438
Craig R & Son .425
Crooke J J Co .434
Croom J F & Bros .419
Crowl Fern Co .434
Cunningham J H .433
Cut Flower Ex .435
Dailledouze Bros .427
Darling C T .426
Davis A B & Son .419
Deamud J B .437
Deming Co .438
Dietsch A & Co .439
Diller Caskey & Co .440
Dillon J L .433
Dillon G'house Mfg .440
Dimmock A .425
Dorner F & Sons Co .426
Dreer Hy A .418-22-40
Dumont & Co .436
Eichholz H .423-24-26
Eisele C .440
Eisele J G .425
Eisele W C .421
Elizabeth Nurs Co .419
Elliott W & Sons .418
Elliott W H .417
Emmans Geo M .425
Endtz Van Nes & Co .420
Falls City Wire Wks 438
Farquhar R & J Co .419
Felthousen J E .423
F & F Nurseries .421
Foley J .437
Foley Mfg Co .439
Foster L H .425
Garland G M .439
Ghormley W .435
Giblin & Co .440
Goodale B E .419
Gulick C P .423
Gullett W H & Sons .421
Gunther W H .435
Guttman A J .435
Haerens Bros .425
Hagenburger C .425
Hammond J A .434
Harris E .423
Heacock Jos .425
Heikes W F .424
Helios Ozton Co .438
Herr A M .424-26
Herr D K .424
Hermann A .440
Hews A H & Co .438
Hicks & Crawbuck .435
Hills E G Co .437
Hilfinger Bros .438
Hill Top G'houses .426
Hippard E .438
Hitchings & Co .440
Holton & Hunkel Co .437
Hoopes Bros & Thomas 424
Horan E C .435
Hort'l Advertiser .438
Howe, J H .434
Hughes G J .426
Hunt E H .434-37
Igoe Bros .426
Invalid Appliance Co .438
Jackson & Perkins Co 418
Jacobs S & Son .439
Jennings E B .426
Jessamine Gardens .425
Jewett City G'houses 426
Johnson & Stokes .419
Jones H T .420
Joosten, C H .433
Kasting W F .436
King Cons Co .440
Kay Wm H Co .439
Koehler H .421
Kuster & Co .421
Kreshover L J .434
Kroeschell Bros Co .439
Lager & Hurrell .425
Landreth D & Sons .418
Lang J .435
Langjahr A H .435
Lenker C .421
Leonhard T .426
Limbach C .438
Little So Floral Co .427
Livingston Seed Co .437
Lockland Lum Co .439
Long D B .434
Lord & Burnham Co .439
Lotze G D .422
Lovett J T .420-21-33
Mader P .423
Manhattan Supply Co 432
Mathews G P .422
Manger W & Sons .421
McCarthy N F & Co .436
McFadden E C .434
McKellar & Winterson .437
McManus J .435
Michell H F .419
Mich Cut Flower Exchange .433
Moninger J C Co .440
Moon S C .420
Moon Wm H Co .420
Moore, Hentz & Nash 435
Moore W J .436
Morris J W .422
Muno J .437
Myers & Samtman .424
Nat Board Trade .434
National Plant Co .424
Neipp G F .422
Netschert F .434
Newell & Ames .425
N Y Cut Flow Co .435
Niessen L .436
Norwich Nurs .421
North Shore Ferneries 423
Ouwerkerk P .420
Peacock W P .419
Pennock S S .418
Perkins J J .435
Phila Market .436
Pierce F O Co .438
Pierson A N .424
Pierson F R Co .417
Pierson Sefton Co .440
Pinehurst Nurseries .421
Pittsburg Cut Flow Co .436
Pitzonka G .426
Pollworth C C Co .437
Quaker City Mch Co .438
Rawlings E I .425
Rawson W W & Co .419
Raynor J I .435
Reed & Keller .438
R[illegible] & Son .423
R[illegible] .436
R[illegible] George .437
R[illegible] Peter .427
R[illegible] J L Co .431
R[illegible] C & Son .429
R[illegible] & Co .435
R[illegible] Geo .434
R[illegible] H M & Co .434
R[illegible] & Sons .424
R[illegible] .424
Saltford Geo .435
S[illegible] & Son .424-25
S[illegible] J C .421-25
Schmitz F W O .419
S[illegible] A .425
Scott J .425
Shellroad G'houses .423
Shepard Mrs T B Co 419
Sheridan W F .435
Sim Wm .424
S[illegible] Bros .437
Slinn B S Jr .435
Smith C .435
Smith N & Son .422
Smith W C .434
Smith W & T Co .421
Soltau C .426
Springfield Floral Co .424
Stern J .434
Stearns A T Lum Co .438
Stoothoff H A Co .43[illegible]
Storrs & Harrison Co 425
Stumpp & Walter Co 418
[illegible] .436
Swayne W .426
[illegible]
[illegible] E J .426
[illegible] .425
[illegible] J M & Co .418
[illegible] A H .425
[illegible] W & T Co .434
[illegible] .425
[illegible] & S[illegible]
V[illegible] & [illegible] 418
V[illegible] Seed Store 418-19
V[illegible] W J & M S .420
V[illegible] & Son .418
Vincent R Jr & Son 420
V[illegible] F B .424
W[illegible] F P .419
Weber C S & Co .438
Weber H & Sons .422-27
Weeber & Don .435
Welch Bros .436
W[illegible] P .426
Weston H .425
W[illegible] & Co .438
Whilldin Pottery Co .438
W[illegible] & Sons .423
W[illegible] Bros .427
W[illegible] .423
W[illegible] F .423
Woodruff W B .419
Y[illegible] .435
Young & Nugent .435

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS BULBS, FLOWERS.

Abutilon .424-25-33
Achillea .421-24
Achyranthes .425-33
Adiantum .422
Ageratum 422-23-24-26-33-40
Alpine Plants .420
Alternanthera 423-24-25-33
Alyssum .422-23-33
Ampelopsis .420
Anemone .422
Anthemis .423
Anthericum .425-40
Araucaria .417-24-25
Asparagus .417-18-19-20-22-23-24-25-33-34-40
Aspidistra .423
Asters .418-25
Aucuba .417-19
Azaleas .417-20-21-25
Bedding Plants .423
Begonias .419-22-23-25-33
Berberis .420-34
Bougainvillea .425
Bouvardia .440
Box .417-19-20-21
Bulbs (not named) 417-19-37
Caladium .417-19-33
Campanula .422
Candytuft .425
Cannas .417-19-20-23-24-25-26-33
Carex .422-24
Carnations .422-23-24-25-26-27-40
Centaurea .419
Chrysanthemums .421-22-23-24-25-26-33
Cinerarias .425
Cinnamon Vine .433
Clematis .419-20-21-24
Cobæa .419-26-40
Coleus .419-22-23-24-25-33
Conifers .419-21
Coreopsis .421-22
Costus .419
Crinums .425
Crotons .425
Cuphea .423-26
Cut Flowers 434-35-36-37
Cycas .417-19-25
Cyclamen .423
Cyperus .419-22-24
Daffodils .421
Dahlias .417-19-23-33
Daisies .422-23-25-2[illegible]
Decorative Plants .425
Delphinium .421-22
Deutzia .419
Dielytra .420
Digitalis .421-22
Dracaena .425-26
Ericas .425
Eulalia .422
Evergreens .417-20
[illegible] .419
Fern Balls .417-19
Ferns .417-24-25-34
Feverfew .423-40
Ficus .417-20-25-26
Fuchsias .423-25-33-40
Funkia .423
Gaillardia .421-22-2[illegible]
Gardenias .417
[illegible] .26
[illegible] .421-25
Geraniums .419-22-24-25-26-33-40
Gladioli .417-18-19
Gloxinias .419
H[illegible] .421-22
Heliotrope .419-23-24-40
Herbaceous Plants 417-20
Honeysuckles .422-24
Hydrangeas .417-20-21-24-25
[illegible] .422-23-25-40
[illegible] .420
Ivy .423-25-26-33-40
[illegible] .417
[illegible] .42[illegible]
[illegible] .423-4[illegible]
[illegible] .420-21
[illegible] .420
Lilies .417-18-19-20
Lobelia .424-25-26-40
Madeira Vines .419
Magnolias .417
Maples .417-21
Manetti .423
Myosotis .426
Narcissus .421
Nursery Stock .420-21
Orange .420
Orchids .424-25
Palms .417-18-19-20-24-25
Pansy .423-24-25-26-40
Peonies .420-21
Periwinkles .440
Petunia .419-22-23-24-25-26-33-40
Phalaris .422
Phlox .422-24-25-[illegible]
Phormium .419
Plumbago .424
Poppy .422
Primula .423-24-[illegible]
Privet .420-21
Pyrethrum .422
Rhododendron .417-19-20-21-25
Romneya .419
Roses .417-19-20-21-22-23-24-25-26-27
Rudbeckia .421-22-2[illegible]
Salvia .422-23-26-33-40
Sanchezia .433
Sedum .422-3[illegible]
Seeds (not named) 418-19-27
Selaginella .425
Shrubs .417-19-20-21
Small Fruits .420-21
Smilax .422-23-33-34
Snowballs .417
Spiraea .420
Stevia .422
Stocks .426
Swainsona .4[illegible]
Sweet William .422-2[illegible]
Tradescantia .425
Trees .419-20-21
Tritoma .422-2[illegible]
Tuberoses .417-19
Tulips .425
Vegetable .419-20-21
Verbena .422-2[illegible]-24-25-26-33-40
Vincas .423-24-25-26-[illegible]
Vines .417-19
Violets .422-23-2[illegible]
Water Lilies .418-[illegible]
Wistaria .420
Yucca .420-2[illegible]

MISCELLANEOUS.

Auctioneers .43[illegible]
Baskets .418
Boilers .439-40
Books .424
Collections .4[illegible]
Decorative Greenery .43[illegible]
Designs .434-36-37-38-40
Fertilizers .434
Florists' Letters .43[illegible]
Fittings .439-40
Florists' Supplies 434-36-37-38-40
Flower Pots, etc. .436-38
Galax .434
Glass .438-39
Glazing Points .440
Greenhouse Bldg .439-40
Gutters .438-39-40
Hose .418-39
Insecticides .418-3[illegible]
Lawn Mowers .440
Lumber .438-39-40
M[illegible] .4[illegible]
Mushroom Spawn .418
Newspapers .4[illegible]
[illegible] Supplies .4[illegible]
Pipes, Joints and Valves .43[illegible]
Putty [illegible]
Sash .438-39-40
Sprayers .418
Stakes & Supports 418-2[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Ventilators .4[illegible]
W[illegible] .4[illegible]
Wax Flowers & Designs .434

CARNATIONS

A Correction.

In the second paragraph of my last article, the sentence "I saw on them no sign of disease and the abundance of flowers on the foliage," etc., should read "the abundance of 'bloom' on the foliage." The word "bloom" I believe to be correctly used.

A Short Trip.

It was my pleasure recently to enjoy a visit to S. J. Reuter's place at Westerly, R. I., and I had an excellent opportunity for seeing his new white carnation Lillian Pond in quantity. Some houses of it show that the demand was heavy for cuttings, and yet there were some benches which had not been robbed for stock, which made a creditable showing. The variety bursts the calyx somewhat, and yet this fault may be overcome by a different method of treatment. The percentage of bursters, Mr. Reuter tells me, has not been large. The flower, when in its prime, is hard to beat for size, form and purity of color. The stem has been criticised several times this Winter in summaries of the exhibitions, but this failing was not noticeable to any extent, and on the best benches where the conditions were favorable, there was plenty of stem.

This variety needs lots of light and air, and from what I have seen of the few plants I am growing it requires a light soil and should be kept on the dry side. It is strongly recommended by the introducer as an early variety and a Summer bloomer.

A white seedling in its first year was very attractive, and will, perhaps, be heard of later.

Prosperity was looking very well indeed, and I have never to my knowledge seen a better bench of it.

Mrs. Thomas W. Lawson, grown inside all Summer, was very interesting and shows that there is room for a great deal of experiment in the direction of pot culture and early planting. The plants were smaller than those grown in the field, and yet the flowers were better, and the short stems in the Fall which come with field culture were avoided. Queen Louise is also well done here.

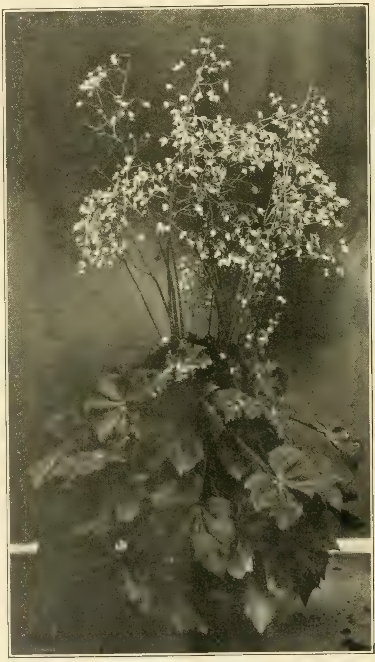
The following day I visited the establishment of J. A. Budlong & Son, at Providence, R. I., and here we see the carnation industry on the increase. They benched 20,000 plants the past year, and will put in 80,000 this Summer, using for carnations the houses formerly utilized for lettuce. Mrs. Lawson, Prosperity, Governor Roosevelt, White Cloud, Lorna, Queen Louise, Estelle and Genevieve Lord were the most prominent. Their young stock was the finest I have ever seen. At present it is in flats, planted at least two and one half inches apart; and the houses which will later be devoted to carnations are filled with this stock.

This concern has an advantage over the ordinary grower in that it has plenty of room for its young stock, and the stock certainly shows that this advantage is being used.

The florist business with this firm is only one department, for hundreds of acres are in cucumber for pickles, and market gardening is the standby of the concern. A large vinegar factory and the immense pickle works are very interesting.

On the afternoon of the same day I visited Peter Fisher's place at Ellis, Mass., and saw the new ones, Enchantress, Nelson Fisher and Mrs. Patten. In every case they showed the effect of the demand for stock; and, in fact, there were no blooms of Nelson Fisher to be seen, although there was an abundance of strong healthy stock. Mrs. Patten did not show the weakness of stem which has been apparent when the variety was exhibited this season; and I still hold to my former opinion that it is the best variegated carnation on the list. Enchantress looked well, but as a result of late propagation the plants were small. Two interesting varieties were Governor Wolcott and Boston Market. Of the two I prefer the former, although it needs more heat than Boston Market to avoid bursting the calyx. The claim that Boston Market is more free than Governor Wolcott I think is more than offset by the superior excellence of bloom in the last-named variety.

A large number of seedlings are being grown, and there were some very interesting ones, but none that I remember well enough to describe. Needless to say, Mr. Fisher may be depended upon to pick out the good ones and it is but justice to state that he has given us several of the best varieties on the list. My time was limited and I was obliged to return home; but I did so feeling that for a short trip it was a very interesting one.


BEGONIA LONGIPILA

Seasonable Notes.

With the longer days and bright sun considerable shading will be necessary, and there is nothing, in my opinion, equal to a shading of cheesecloth which is so arranged that it can be dispensed with in dark weather. Mrs. Lawson suffers from the sun the worst of any variety we are growing, and above these benches we have frames that support the cloth, which is so arranged that it can be rolled back when not needed. In this case, the cloth runs lengthwise of the house. At Budlong's they have the cloth arranged so that it slides on rings, and it can be drawn together when not required; and here the cloth runs crosswise of the house and is close to the glass. Either way will serve the purpose. If frames are built, make them high enough so that plenty of head room is left and they do not interfere with cutting and disbudding.

Shortly after Easter a mulch will be necessary if the quality of the bloom is to be maintained. In my opinion, well-rotted cow manure is best, with a little bone meal added. This mulch should be worked over and gotten into good mechanical condition before application; and the liquid feeding should be continued, as this must not be expected to add all the food. I believe they will stand about all they can get during the next few months. The mulch also serves to prevent evaporation from the soil and should be heavier on the edges, as these dry out first.

At every holiday we have a sermon from somewhere on pickled blooms. I do not believe it to be advisable; and merely wish to say that your reputation is worth too much to be trifled with in this manner. Above all things sell good stock. W. R. PIERSON.

Birthplace of Mrs. Lawson Carnation.

A correspondent writes to the Gardeners' Chronicle of London as follows: "At the meeting of the Royal Horticultural Society at the Drill Hall on January 13, I was told by a titled lady that the carnation Mrs. T. W. Lawson was raised at Dumfries by a gardener there, who tried to sell it in England, but could not get a good price for it and consequently sent it to America, where he did get one."

Strange how Scotland tries to claim every good thing! For the information of our contemporary we would state that a Scotchman (Peter Fisher) did originate the variety, but its birthplace was Ellis, Mass.

BRIEFS FOR BUSY FLORISTS.

ROSES.—With the coming of Spring weather mildew is apt to become very troublesome unless great care be exercised, both as to ventilating and firing. Give all the air possible on bright days, but avoid having a current of air rushing through the houses when a cold wind prevails outdoors.

CARNATIONS.—The land where carnations are to be planted during the coming Summer should be got into condition as soon as the nature of the soil and the weather will allow. Make an effort to plant out as early as possible, so that the young plants may get well established before very warm weather arrives. The plants may be put in frames any time now, and the sash should be removed whenever the weather is at all mild. Pinch back the plants rather than have them spindly, though when the pinching is done take out the lead of the plant only. Nothing is gained by allowing a plant to make a long, spindly growth and then cutting it back down to the soil almost.

CYCAS STEMS.—Considering the first cost, and the simple methods needed to grow along the leaves of this useful plants, it is one of the most profitable subjects that a florist can handle. When the leaves are matured they can always be sold at a good round figure for funeral purposes; or the plants can be disposed of for decorative uses. When the stems arrive put them into pots that will allow of almost two inches of soil all around them; a larger sized pot is unnecessary. The aim should be to have the roots working before the leaves start, and to this end they may be plunged in a mild bottom heat. But if such a place cannot be had conveniently, they can be just as well started under a bench where there are no heating pipes; in fact, they will make better plants if started under such a bench than they will if grown where there is a strong bottom heat, as under the latter condition they are ape to make a set of leaves before any roots form and then they are of very little use, as the leaves soon turn yellow and become unsightly.

Begonia Longipila.

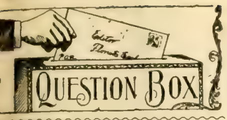
To the one who visits conservatories in the Winter season the thought must arise, what a loss it would be were there no begonias. The lover of plants would sadly miss them. There are those of great beauty grown for the leaf alone; others, for both handsome leaves and flowers, and in the latter class may well be admitted the one we illustrate—Begonia longipila. Not only are the leaves in themselves pretty, but the same can be said of the flowers, which are of a bright rose color. The combination of leaf and flower is very pleasing. The leaves, as our illustration shows, are on long stems, which as a whole forms a beautiful groundwork for the graceful stalk of flowers. Altogether, this is a pleasing begonia to grow, and with ordinary conservatory heat it flowers in late Winter.

Botanists do not treat this as a true species, but as a well marked variety of B. heracleifolia, a Mexican species introduced many years ago. The hairy leaf and flower stalk of both species and variety make them of much interest and add to their attractiveness.

The plant photographed is in the collection of Mr. John T. Morris, Chestnut Hill, Philadelphia. Frank Gould is gardener, and he delights to show the treasures under his care to those who love them. JOSEPH MEEHAN.

Soft Snails in Gardens.

The liberal use of air-slaked lime and unbleached wood ashes at the rate of two tons to the acre will lessen the injury from snails. As a rule, they are the most troublesome where the ground is wet, and thorough underdraining might also be of advantage. If the snails appear after the crops are planted the sprinkling of air-slaked lime or wood ashes over the plants will destroy the snails. The addition of Paris green at the rate of one pound to fifty of ashes or lime, in case it can be used with safety to the plants, will also be beneficial. L. R. TAFT.



Tuberous-Rooted Begonias.

(87) Kindly let me know how to row tuberous-rooted begonias, the est soil to use and if the plants need eding. Is a rex begonia handled in he same way? S. L.

-To grow tuberous-rooted begonias n pots, use 3 or 4-inch sized pots, and rather light but rich soil. Pot the ubers firmly, but not deep; give one vatering, set them on the greenhouse ench and either have the glass over hem shaded or place a sheet of paper light cloth over them. Give no nore water until the leaves begin to how. Pot into larger-size pots when ecessary, using a good rich soil and o other feeding will be needed.

Rex begonias are grown from leaf uttings mostly. Root the leaves in he propagating bed, then grow them long the same as the other begonias.

A Floral Casket Cover.

(88) A. R. P. A floral casket cover made on a wire frame similar to the rames used for any other floral design. The flowers employed in its construction would, of course, regulate he cost. We could not tell what would the lowest cost of such a cover; that vould depend upon the price of the material and labor. These designs cost nywhere from $25 to $250.

Sometimes there is made what is alled a floral pall for draping a casket nd we gather from your question hat a design of this nature is also reerred to. This is formed of a piece f wire cloth, cut to the desired size, vith flowers and smilax or other green vired on. Of course, this cover will ot roll back, and still retain its useulness after it is made. Its cost, like hat of the casket cover, would all depend upon the materials used.

Sow Bugs.

(89) R. Use slug shot along the dges of the benches or wherever the vood-lice congregate. The old and deayed woodwork, if any is about the ouse, should also be taken out and eplaced with new. Old wood makes arboring places for these pests.

Roses for the South.

The University of Tennessee Record Knoxville), Volume VI., No. 1, contains an interesting article on the beavior of varieties of roses in that lodity, from which we make the folowing extracts:

In the Spring of 1901, 500 plants, of varieties, which had been purchased year before and grown in nursery ne year, were planted, and all buds vere removed until September, when ne plants were permitted to bloom reely. They were heavily mulched vith rotted cow manure as soon as et, and they made a vigorous growth, eing watered freely during dry veather.

In the Spring of 1902 a large addiional planting was made, numbering 00 plants, of 47 varieties. For this etting plants from 2½-inch pots were urchased and were at once set in the ose garden. They were disbudded ntil the middle of July, when they vere permitted to produce one crop of lowers, after which they were again isbudded, but were allowed to bloom reely in late September and October.

The planting of 1901 was subjected to very heavy freeze in December of hat year. The roses had been purosely left without protection to deermine their hardiness. Almost all he teas died to the ground, and in the pring all were cut back to mere stubs. he hybrid perpetuals, with the exeption of Gloire Lyonnaise, which illed as badly as the teas, were unjured; but late severe Spring frosts illed their flower buds to such a deree that they made a poor showing. ven such hardy kinds as General acqueminot, Giant of Battles and Paul eyron suffered severely.

The rose seems to demand full sunhine, rich soil, preferably of a clay oundation, thorough drainage and lenty of moisture. All these condiions are met in the University rose garden, and the result is an abundance of flowers, even in the hot midsummer months. The experience of the past Summer shows that protection against leaf spot and mildew must be added to the above requirements of the rose, for the hybrid perpetuals and hybrid teas, but the teas and noisettes and Bengals seem little troubled by these enemies. Very little damage was done this year by insects.

The Summer treatment given the rose garden is as follows: Spring finds the beds heavily mulched with barnyard manure. When the first buds swell this is forked in, care being taken to disturb the roots as little as possible. The plants have been pruned in late Winter, the teas being cut back to the crown, and the others according to strength of growth. All small wood is cut out of the hybrids, leaving only strong one-year-old canes, and these are headed in one-third to one-half. The hybrids as a class tend to over-bear at their Spring flowering, and this can best be prevented by judicious pruning.

Here in the garden large flowers and perfect specimens are desired, in the shrubbery bordering the rose garden, where a tangled mass is wanted, individual flowers are of little importance, and hence little cutting back is practiced. The beds are thoroughly hoed and raked, and the soil kept fine and mellow through the first blooming season. At the approach of hot weather, usually in June, all the rose beds are covered with a mulch three or four inches thick of rotted barnyard manure. Once a week throughout the season the faded blooms are cut off, as the making of seed is a needless sapping of vitality. In this weekly inspection more or less disbudding is commonly practiced. When the new shoots appear, if extra large flowers are wanted, all the buds but the terminal (top one) are pinched out, thus throwing the whole strength of the cane to a single flower. Some varieties, notably Clothilde Soupert and Star of Lyon, blast badly, and it is found that heavy disbudding enables the plant to bring the remaining buds into perfect bloom.

It is seen that even the so-called ever-blooming roses (the teas) have a tendency to produce their flowers in regular crops. In a large rose garden this tendency is recognized by managing the disbudding in such a way that there are always some kinds in good flower, though it is only in the Spring and Fall that the entire garden is at its best.

The watering of the garden is carefully watched. When the soil shows dry beneath the mulch, a heavy watering is given. There are three faucets in the garden, and in very dry times it requires two full days to give one watering. This means that the beds are thoroughly drenched, the water being applied at the roots, not sprayed on. Then water is withheld until the soil is dry again.

Weeds and grass grow up readily in the mulch, so that it seldom happens that a week passes without hoeing. By this regular care a vigorous, thrifty growth and free flowering are insured, and the garden is always ready for visitors.

By September the frequent hoeings will have incorporated the mulch with the surface soil, and a second mulching is necessary. This year only a part of the roses have received this second mulch, and its lack is evident in the difference in bloom. The rose can hardly be manured too heavily, if at the same time water and drainage are properly regulated. It is a gross feeder, and it only succeeds well when abundantly fed.

In Autumn the rose garden is at its best. True, the June roses show few, if any, blooms at this season, but if the plants have been well fed throughout the Summer, and the faded flowers removed promptly, and occasional rests by disbudding provided, the first cool September days will show wonderfully vigorous flowering shoots everywhere, and until killing frost comes the garden is glorious. It is safe to say there are three thousand rose blooms in the University garden to-day (October 24). When the killing frost brings the rest time to the plants and they drop their leaves, a coarse litter will be thrown among the plants, climbers will be laid down, and all will be covered with corn stalks or pine boughs, or anything that will shade them from the Winter's sun and from the thawing that tends to start them into growth too early. Then in March there comes the annual pruning, and the cultivating, and the beginning of another year of beauty.

Here is a list of roses that have been most successful in the University garden arranged by class and color. The first named of each class seems to me the best of its kind and the others are listed in order of merit judged by their action in the garden. No attempt has been made to describe the color tones, as these are variable in different soils and are exceedingly difficult to name with exactness at all times. No hybrid perpetuals are included that do not give some bloom after the regular season of these roses in early Summer. It will be observed the list of hybrid teas is the longest and it is believed that this class will all in all prove the most satisfactory for garden planting.

Hybrid Teas: Mme. C. Testout, pink; Meteor, red; Mme. Abel Chatenay, silvery pink; Souvenir du President Carnot, flesh; American Beauty, rose; Bessie Brown, flesh; Gladys Harkness, pink; La France, light pink; Alex. Bernaix, pink; Balduin, rose pink; Helena Cambier, deep cream; Queen of Edgely, pink; Captain Christy, flesh; Countess of Pembroke, deep pink.

Teas: Grand Duchess Victoria Melita, white; Kaiserin Augusta Victoria, white; White Maman Cochet; Souvenir de Jeanne Chabaud, light pink and salmon; Mme. Reine Gerard, saffron; Cornelia Cook, white; Irene Watts, flesh; Coquette de Lyon, lemon white; Safrano, cream; Perle des Jardins, lemon; Bon Silene, light pink; Souvenir de J. B. Guillot, red; Rainbow, pink; Queen, white.

Hybrid China: Champion of the World, pink; Gruss an Teplitz, red.

Hybrid Polyantha Tea: Clothilde Soupert, flesh and white; Mosella, cream.

Climbing Hybrid Tea: Mrs. Robt. Peary, white; Climbing Meteor, red; Climbing Marie Guillot, white; Wm. H. Richardson, rosy red.

Hybrid perpetual: Mme. Masson, red; Princess of Naples, light pink; Dinsmore, red; Anna de Diesbach, pink; Paul Neyron, rose.

Many other varieties in the garden have decided merit, in some respects surpassing some of those included in the list above; but they have also certain defects that seem to lessen their value. Among the varieties widely advertised that have not succeeded well with us are Liberty, Robert Scott, Bougère, Bridesmaid, Catherine Mermet, Gloire Lyonnaise, Golden Gate, Mme. de Watteville, Maman Cochet.

A LILY FIELD IN BERMUDA.

Value of Judicious Planting for the Suburban Home.

(*Concluded from page 405.*)

Perhaps the first plant to be named in the list of evergreens for suburban home grounds, whether large or small, should be our native hemlock spruce. It is an excellent tree, suitable for a great variety of positions. When allowed full room for development it forms a large tree, but it will endure shearing so well that it is one of the best hedge plants in use, and can be kept of any desired size or shape for many years, thus adapting it to yards of modest proportions.

The Norman and Aphaloman silver firs and the Eastern spruce from Europe are admirable evergreens, forming some of the most symmetrical and beautiful specimens to be found in the best collections; retaining their massive foliage longer than most other conifers and attaining heights of from 40 to 60 feet in as many years. The Douglas, concolor and Colorado blue spruces and some other evergreens introduced within the past 30 or 40 years from the Rocky mountains and the Pacific slopes are valuable acquisitions. Among them are some exquisite blue shades which enter splendidly into color combinations with other foliage.

The Japanese evergreen cypress called retinospora is a family of evergreens with several beautiful varieties of various shades of green, yellow and silvery hues, which are admirably adapted for entering into combination groups or for shearing into formal specimens or set figures of any shape desired. The variety mentioned in nursery catalogues under the name of obtusa nana is one of our best evergreens in almost every way. Junipers and Arbor vitæs are among the cheaper evergreens, mostly of small or medium size, and are often useful for filling in to produce immediate effects, or to obscure temporary defects in designs which will require time to develop their full beauty.

The study of color effects among the foliage of plants is an important feature in ornamental planting, and in no class of material is it more important than among the evergreen conifers.

There are at our command varieties of evergreen and deciduous trees and shrubs which can be combined so as to produce ever-varying results of contrast and harmony in form and hue, changing with the progress of the seasons, ever presenting some new attraction of growth, foliage, flower or fruit. The study of such combinations and the rearranging of beds and grounds from time to time are among the charms to be realized by those who enter upon the work of suburban adornment.

Several features combine to give hardy flowering shrubs an important place in the adornment of suburban homes. They transplant easily, develop rapidly, produce results quickly and pretty certainly, and most of them are so cheap that they can be indulged in freely. Forsythias, cydonias, dogwoods, spiræas, lilacs, snowballs, rhododendrons, hydrangeas, each in turn become a huge bouquet of bloom. Then there are the brilliant foliage plants to keep a show of bright color throughout the Summer. The dainty Japanese maples, with such exquisite shapes and shades in form and foliage; the golden-leaved elder and dwarf mock orange; the purple-leaved plum and barberry, are all conspicuous objects.

By the judicious use of vines, nature's drapery, most pleasing results are produced, even under adverse conditions. With these it is possible to transform unsightly features into objects of beauty.

A blank wall, with its monotonous rows of bricks and mortar, is an ideal home for grape vines or for the Japanese ampelopsis or the hardy evergreen ivy or trumpet vine. A dilapidated building, an unsightly stable, an abandoned quarry, a desolate embankment, or even the public dumping ground may be easily, quickly and cheaply enshrouded with greenness and with bloom by planting near them abundantly of five-finger or Virginia creeper, honeysuckles, or the numerous hardy Rambler roses, thereby changing a forlorn prospect into a scene that the eye will delight to rest upon. Clematis, honeysuckles and akebia seem as if they were intended for adding a finishing touch of grace to the porches of many a suburban home.

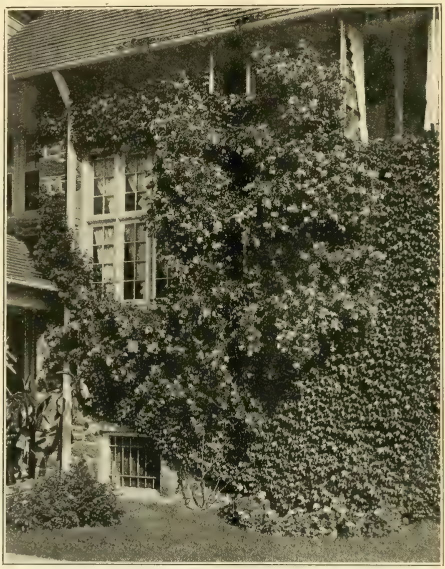
In rural districts, where homes are isolated, each lawn may be treated as a garden complete in itself, but in many suburban neighborhoods the small yards call for more composite treatment, where attention must be given to the general effect of a combination of individual plantings. If one lawn blazes forth in early Spring, with beds of tulips, hyacinths daffodils and pansies in others may follow banks of bloom in masses of early shrubbery. Roses in abundance will be enjoyed by all, and a profusion of herbaceous plants can keep up a successsion of flowers when bulbs, shrubs, and roses are out of bloom. After leaves have fallen and flowers are dead a mass of crimson-berried plants may be the pride of the town. Clumps of evergreens here and there and a windbreak of pines or spruces will at times be looked upon as blessings to the community. Thus, there may grow up in an unpretentious village a notoriety for always having within its borders prominent features of conspicuous beauty. Such a study and treatment of the grounds in a neighborhood of rural homes by a community of intelligent residents must produce results which will afford not only pleasure to the property owners and their families, but will develop a common interest in the improvement and beautifying of the neighborhood. Each one will feel a wholesome pride, not only in his own holdings, but in the beauties of all the trees and shrubs and flowers on all the properties in his street or village, creating a sentiment which must be seen and felt in property values. It is the growth of this desire for civic improvement and the full development of all the possibilities of adornment in a neighborhood that I would encourage.

Roses and Vines—Crimson Rambler Rose.

What a lovely rose the Crimson Rambler is almost every one knows! It is beautiful in a pot, planted in an open place in a garden, or trained to an arbor or a porch. Before us is the representation of one trained to a wall of a house, and enchanting as it looks in the picture, that really fails to represent the beautiful effect it produced when its crimson colored flowers bedecked it.

Everything is in the arrangement and surroundings of vines and climbers. To the surroundings of this rose it owes much of its attractiveness.

The Japanese ivy which mingles with it aids it very much, as does the green mass of ivy on the right. The branch of the rose between the window and the porch is enchanting, and when it has grown a few feet more, encircling the window, what a picture it will make!



ROSES AND VINES ON WALL OF DWELLIRG

The half circular bed of geraniums would have made the whole more effective had it been placed further away from the house.

Sometimes we think what a treat it would be to have the Crimson Rambler rose in bloom all Summer, but would it be valued as much as now were that the case? It is the changes and surprises that make us enjoy our trees, shrubs and flowers. As it is now, we wait until June for the treat our Crimson Ramblers give us.

JOSEPH MEEHAN.

Funny.

The young man who wrote and asked his girl to accept a "bucket" of flowers became a little pale when she said she wooden ware it.

"What are those purple posies down by the brook?" asks Gus. "If you mean," replies Clara, "those glorious masses of empurpled efflorescence that bloom in bosky dells and fringe the wimpling streamlets, they are Campanula rotundiflora." Gus plays billiards for a living and Clara goes to a girls' college.

New York.

News of the Week.

Easter preparations among the tailers commenced earlier this y than has been the case heretofo Flowering plants of all descriptions gan to arrive on Monday morning, a for the time being cut flowers were of the race. We have noticed in p vious years, and again this year, tl as soon as the Easter plants are ceived at the stores, all interest in flowers seems to cease temporarily.

J. H. Small & Sons made a decic hit with a window display at the beg ning of the week. This was constitu of a bed, about five feet in diameter, scarlet geraniums, placed in the cen of the window. Turf was laid, coveri the entire space between the edge of bed and the sides and front. Soil w placed in the bed to the regulat depth, and the geraniums in full blo were planted, the whole creating a ve pleasing effect.

Twenty-eighth street has had m the appearance of a plant market th anything else during this week. Ghorley has three stores going. J. K. Al has a large tent in the rear of his pre ises filled. John Young has his st and an annex filled; as also have Bra shaw & Hartman.

A. J. Guttman, in 29th street, taken an extra store to give him ro to handle his Easter stock. In 3 street, J. McManus, Julius Lang, J. Perkins, and J. Hammond are handling plants, in addition to their flower trade.

The next meeting of the New Y Florists' Club occurs Monday eveni April 13. New quarters have be found in the Grand Opera House bui ing, corner of Twenty-third street a Eighth avenue, and we are assured a pleasant and comfortable meet room—one of the best in the city. Th should be a large attendance. The E ter rush will be over, and every me ber will be anxious to see the clu new rooms. Roses and novelties plants are the subjects to be sho and any exhibits sent to John You secretary, will receive the best of c and be properly staged.

Wm. Elliott & Sons had a very la attendance at their Tuesday's auct sale and good prices rule. The bidd sale and good prices ruled. The bidd and some record prices resulted. T variety Margaret Dickson brought highest price of all, 50c. each. Star ard box trees were also much soug by buyers; as also were hydrange that were in good condition for East

J. R. Johnson, late superintendent the Paterson (N. J.) park system, w recently went into business for hims as a commercial plant grower at Pa saic, N. J., has already got 400 lin feet of greenhouses in operation. Ot er houses are in course of constructi and they will be finished in the ea Summer. Decorative plants and pal will be grown chiefly, and it is a fo gone conclusion that with his push a ability Mr. Johnson will make a su cess of his undertaking.

The department stores of the city a making special efforts to provide East plants and some good displays are se The roof greenhouses at Bloomingda Bros., under the management of W. Burnham, are replete with floweri plants, and a staff of 50 clerks is r quired to handle the crowd of buye This firm is enlarging its store by 1 feet, on the 59th street side, and understand that the ground floor the new premises will be utilized as t cut flower store, the present locati having become too small to accomm date the increasing business in th line.

The annual Spring sale of orchids Sander & Sons, St. Albans, Englan will take place in the auction rooms Cleary & Co., 60 Vesey street, on Fr day, April 17, John P. Cleary, auctio eer. Some choice things are offered, catalogue of which will be distribut soon.

The many friends of Alex. Burn Woodside, L. I., will be glad to kno that Mrs. Burns, who suffered seve injuries by being thrown from a trol car last August, is recovering nicely.

Alfred H. Langjahr, wholesale flo ist, Brooklyn, has been confined to h home for several days with a seve case of tonsilitis. He is out agai however, and will be able to overse his Easter business.

The New Jersey Cut Flower C opened its store at 37 West 28th stre on Thursday.

New Bedford, Mass.

At a meeting of the New Bedford lorists' Club last week, William L. G. own was elected treasurer, in place H. V. Sowle, resigned. J. H. Cleary, L. Munson, and George Borden were pointed a membership committee, d E. Y. Peirce, E. H. Chamberlain d A. B. Hathaway the finance comttee. W. L. G. Brown and J. H. eary were appointed a committee to cure a permanent place of meeting. uring the evening there was a discuson on Easter lilies.

Hartford, Conn.

The finest floral decoration ever seen this city was that at the reception Senator and Mrs. Platt at the State pitol, Friday night. The reception om, back of where the receiving rty stood, was banked with A. Farvense fern, asparagus, palms, chids, American Beauty roses and ster lilies. The four walls were comtely covered with green and flows. The orchestra was screened with paragus, which ran from the platm to the ceiling, dotted with small andescent lamps. In the center of room, suspended from the ceiling, re garlands of Southern smilax inwoven with electric lights. The ole interior of the building was elabtely decorated with bunting. It is timated that 10,000 people shook nds with Mr. and Mrs. Platt dur- the evening. The decorating was ne by J. A. McClunie, of this city.

J. F. C.

AURORA, ILL.—J. W. Smely has oved into the new store building adning his greenhouses in South Fourth eet.

VIOLETS.

Little Dorsett, the finest single bloomer in cultivation, $2.00 per 100, $18.00 per 1000. Prince of Wales, $3.00 per 100, $25.00 per 1000. Cash.

WAVERLEY GREENHOUSES, TUCKAHOE, N. Y.

Mention the Florists' Exchange when writing.

PANSIES

A superior strain, 50 cts. per 100 (mail), $3.00 per 1000. Large, in bud and bloom, $1.00 per 100.

	Per 100
Mammoth Verbenas, in bud and bloom, 2½ inch	$1.50
Geraniums, all colors, 4 inch	5.00
Fuchias, all colors, 4 inch	5.00
Lobelias, all colors, 2¼ inch	1.50

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

SPECIAL OFFER

Lemoines Gladiolus

	Per 100	Per 1000
First sized mixture	$1.00	$7.00
Second sized bulbs	.75	5.00
Named kinds, 20 best sorts	2.00	15.00
La Fayette, very fine	2.00	15.00
Sandersoni, the species that make Childsii	3.00	
Hyacinthus Candicans, bulbs, 1 inch in diameter	.75	5.00

V. H. HALLOCK & SON, Queens, New York

Mention the Florists' Exchange when writing

DEAN'S
Greenhouse Heating

PRICE, $2.00.

THE FLORISTS' EXCHANGE
2 Duane Street, New York

HYDRANGEA HORTENSIA MARIESI

A NEW FLORIST'S HYDRANGEA.

This charmingly distinct, highly decorative and attractive new Hydrangea was sent out in 1900 by James Veitch & Sons, London, England, who described it "As having remarkable, very large, sterile flowers **three inches in diameter**; color, a light pink, shaded mauve, and the finest of Hydrangea Hortensia."

Awarded a gold medal at Temple Show, London, 1899.

Fine stocky, well established plants, 6 to 8 inches high, $2.50 per 10; $20.00 per 100.

J. T. LOVETT, LITTLE SILVER, N. J.

SURPLUS STOCK

Guaranteed First Class.

			100
LACS, strong stock, good mixed varieties	$10.00	$20.00	$30.00
EUTZIA GRACILIS, good stock		10.00	20.00
UDBECKIA (Golden Glow)			4.00
ELIANTHUS Arygalis			4.00
0 double **SWEET ALYSSUM,** 2½ in pots			2.50
0 **STEVIA SERRATA** (tall-growing), 2½ in. pots			3.00
0 **SHASTA DAISIES,** strong, 2½ in. pots			6.00
0 **RASPBERRY PLANTS,** Philadelphia			3.00

25 at 100 Rates.

0,000 Dormant Cannas SELECT STOCK

A. Bouvier, Chas. Henderson, Paul Marquant, Mme. Crozy. Florence Vaughan, Burbank, 100, $1.50; 50 at 100 rate. Choice mixed, 100, $1.25; 1000, $10.00. 500 at 1000 rate.

ICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager.

WHOLESALE FLORISTS,

6 Miami Street, DETROIT, MICH.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ⅝ to ½ inch diameter ......per 1000, $6.00; per 2000, $11.50; per 6000, $[illegible]
3 " ¼ to ⅜ " " ...... " " [illegible].50; " " 6.50 " " [illegible]
3 " ¼ " " ...... " " 3.25; " " 6.00, " " 17.00

CASH WITH ORDER, PLEASE.

HARDY HOLLAND H. P. ROSES, MOSS, CLIMBING and AMERICAN BEAUTY ROSES.

Azaleas, Altheas, Clematis and other Climbing Plants, Deutzias, dwarf and standard Hydrangeas, Rhododendrons, etc. Send for Catalogue.

JOOSTEN'S SELECT GLADIOLUS—Extra Large Bulbs, Light Colors.

C. H. JOOSTEN, Importer, 178 Chambers St., New York.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., Standard, 2½ in. pots	$3.00
10 var., Standard, 3½ in. pots	4.00
Asparagus Sprengeri, 2 in. pots	2.00
500 Asparagus Plumosus, 2 in. pots	3.00
Centaurea Gymnocarpa	2.00
Smilax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Double Petunias, 2½ in. pots	3.00
Verbenas, 2 in. pots	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties.

Rooted Cuttings, 60c. per 100; $5.00 per 1000; $45.00 per 10,000.

Plants, $2.50 per 100; $20.00 per 1000.

COLEUS, Verschaffeltii and Golden Bedder, 75 cts. per 100; $6.00 per 1000

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100. **IVORY, LIBERTY.** $18.00 per 100. Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.

Strictly Our Selection, 1000 and over, $17.50 a 1000

Dryden, $2.50 per 100.

SCENTED GERANIUMS

Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

Variegated and Fancy, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2.00
Acalypha, Macfeeana	3.50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2.00
Ageratum, Stella Gurney and Dwf. White	2.00
Alternanthera, Red and Yellow	2.00
Asparagus Sprengeri, 2½ in. pots	3.50
Begonia Sandersoni	5.00
Cinnamon Vine Bulbs	2.50
Gaillardia Grandiflora	2.00
Hardy Phlox, in var., 2¼ in. pot	3.00
Hardy English Ivy	2.00
Lemon Verbena	2.50
Petunia, Single and Double Fringed	2.50
" Double named	3.50
Primula Forbesii, "Baby Primrose"	2.00
Salvia, Silverspot, Bonfire and Splendens	2.00
Sanchezia, variegated	5.00
Sedum, variegated	3.00
Smilax	2.00
Swainsona Alba	2.00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

DAHLIA ROOTS, large field clumps. Our selection, **$4.00 per 100.**

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2.00
VINCA Variegata	3.00
YUCCA Filamentosa, 1 year old	3.50
" " 2 " "	6.00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2.00
Second size, 4 to 6 in.	1.00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

NATIONAL FLORISTS' BOARD OF TRADE OFFICE REMOVED TO
Wallace Building (ROOMS 601-603) **56 Pine St., N. Y. City**

NEW MANAGEMENT.

HARRIS H. HAYDEN (Late Manager of the Nepera Chemical Company), - - President
WILLIAM A. MOORE (Assistant District Attorney for Westchester Co., N. Y.), Vice-President
JOHN I. WALKER (Member of the New York Bar), - - - Secretary and Treasurer

Improved facilities for making collections in all parts of the United States, Canada and Europe. Reliable reports secured at short notice. Service prompt, trustworthy and efficient. Give us a trial.

GALAX

Bronze or Green, $1.00 per 1000, 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Southern Wild Smilax, 50 lb. case, $7.00, 35 lb. case, $5.00, 25 lb. case, $3.75. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

L. J. KRESHOVER, 110-112 W. 27th St., New York.

Tel. 597 Madison Square.

Mention the Florists' Exchange when writing.

"THRIPSCIDE"
(REGISTERED)
GREENHOUSE FUMIGATING POWDER

is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:

1 lb. Tin Can ... $0.25 | 25 lb. Sealed Box $4.50
5 " " " . 1.00 | 100 " " " 16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.

Prepared by The Lilly-Lilly Chemical Co. and sold by

E. H. HUNT
76-78 WABASH AVE., CHICAGO

Mention the Florists' Exchange when writing.

FOR ONE WEEK ONLY.

Dagger Ferns, $1.00 per 1000. **Fancy Ferns,** $1.25 per 1000. All first-class stock. **Galax,** Green or Bronze, 75c. per 1000. **Laurel Festooning** from the finest stock, fresh every day, 4c., 5c. and 6c. per yard.

Mosses, Pine, Etc.
In fact everything in Hardy Supplies.

CROWL FERN Co

MILLINGTON, MASS.
Telegraph Office: NEW SALEM, MASS.

TO KILL ALL Greenhouse Bugs USE "NICOTICIDE"

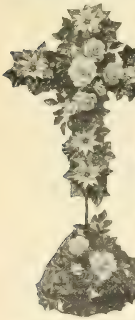
Clean and harmless as **Fumigant** or **Spray.**

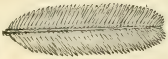
To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

The Tobacco Warehousing and Trading Co.,
1004 Magnolia Ave., - Louisville, Ky.

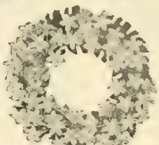
Mention the Florists' Exchange when writing.

FACTORY OF METAL WREATHS





SAGO LEAF.



No. 37.

Round Daisy-Leaf Frame, 15 inches diameter, trimmed with purple, white or pink violets. Each, 75 cts.

METAL WREATHS From 15 cts. up to the latest designs, as Standing Crosses, Standing Wreaths, and in fact any design that can be made up on natural flowers, will be furnished in any color and style to suit your wishes, with white or green leaves, or any color flowers.

SAGO LEAVES Our own manufacture, the best preparation only and guaranteed a first-class leaf. From 18 to 36 inches long, in lots of 50, $4.50, per 100, $8.00.

Ask for my Illustrated Catalogue "F" of Metal Goods or for my Illustrated Catalogue "F" of Decorative Plants.

FRANK NETSCHERT
34 Barclay St.
NEW YORK
187 S. Clark St.,
CHICAGO.

Mention the Florists' Exchange when writing.

AMERICAN BRAND
FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.

Mention the Florists' Exchange when writing.

Galax Leaves, Leucothoe Sprays Green Sheet Moss

W. C. SMITH, Marion, N. C.

Sold in New York by **L. J. Kreshover;** in Philadelphia by **S. S. Pennock;** in Pittsburg by **Pittsburg Cut Flower Co.;** in Buffalo by **Wm. F. Kasting.**

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.

Tel. 28 A. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,
SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE.
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**

Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.
Wax Flowers, Floral Designs, Florists' Supplies.

Mention the Florists' Exchange when writing.

FERTILIZER

We manufacture a superior article for Potatoes, Cabbage, Celery, Corn, etc., body of same **Pure Bone**; tests about 6 per cent. Ammonia, 7 to 8 per cent. Potash K.O.; 166 pound bag, $3.25; ton, $36.00. A pure Bone Meal for greenhouse, lawns, fruit trees, etc.; tests 6 per cent. Ammonia, 30 per cent. Bone Phosphate; 166 pound bag, $3.00; ton, $32.50. Also have a practical Potato Special, tests 8 per cent. Potash, $30.00 ton. A dissolved Bone and Potash, tests 10 per cent. avail. Phos. Acid, 2 to 3 per cent. Potash, $22.50 ton. A General Crop Fertilizer, at $24.50. All delivered free, in ton lots, if cash accompanies order. **Jas. L. Reynolds Co., Mt. Vernon, N.Y.**

Mention the Florists' Exchange when writing.

FLORIST'S TAGS and LABELS
Nature Designed. In Colors

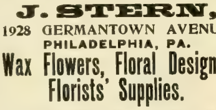
Fancy styles for local use, and practical ones that express companies approve of for shipping.

SAMPLES FREE.

DAN'L B. LONG, Publishers, **BUFFALO, N.Y.**

Mention the Florists' Exchange when writing.

BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager.
FACTORY: 18 Green St. **BOSTON, MASS.** OFFICE: 84 Hawley St

Mention the Florists' Exchange when writing.

JAMES A. HAMMOND
COMMISSION DEALER IN
CUT FLOWERS
Consignments Solicited.
113 West 30th Street, NEW YORK
Telephone 854 Madison Square.

WASHINGTON, D. C.—At the gam played between the Growers and Retai ers, March 30, the latter won. High scor 218, by Ernest, followed by Cook with 18 The figures follow:

RETAILERS.

Cook	180	169	147—4
Wolf	160	165	136—4
Shine	159	102	170—4
Davidson	153	143	119—4
Kimmel	115	121	166—4
Smith	131	118	134—3
Freeman	142	160	140—4
			3,0

GROWERS.

Ernest	180	218	170—5
Esch	152	142	130—4
Clark, Jr.	160	113	143—4
Clark, Sr.	116	140	131—3
Kramer	106	124	125—3
Minder	117	95	140—3
Barber	124	143	140—4
			2,9

CHANGES IN BUSINESS.

RED OAK, IA.—Frank Saban, forme of Omaha, is the new proprietor of t Red Oak Greenhouses.

TAYLOR, PA.—Anthony Schultheis l opened a branch flower store here.

EASTHAMPTON, MASS.—E. A. Bra ard has reopened his greenhouse, wh was closed last Fall owing to the h price of fuel.

READING, PA.—Jacob C. Bauder, u til recently a resident of Chicago, p chased the Forest View Greenhouses E. H. Beears, 904 to 912 Mulberry, a took possession at once. Mr. Bauder a native of Middletown, where he was e ployed by his brothers, who conduct tensive greenhouses at that place. has many friends in this city, and is m ried to a daughter of the late Da Campbell.

FIRMS WHO ARE BUILDING.

PONTIAC, MICH.—George Tarrant building a new greenhouse.

SOUTH LEBANON, PA.—Christ Yost has purchased 14 lots, and will e greenhouses thereon.

DALTON, MASS.—Lord & Burnham will erect a rose house here for Ze Crane.

WINCHESTER, IND.—Philip Pflaste has completed a new greenhouse 16 feet, and in a few weeks will build a other of the same size. A hot wa heating system has also been install

Berberis Oregoniu
Mahonia.

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Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	10.00 to 25.00
	" extra	8.00 to 10.00
	" No. 1	4.00 to 6.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	...... to .....
	Bride, 'Maid, fancy—spc'l	6.00 to 10.00
	" extra	4.00 to 6 00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 10.00
	Liberty	2.00 to 12.00
	Meteor	.50 to 5.00
ADIANTUM		.35 to .75
" CROWEANUM		...... to 1.50
ASPARAGUS		25.00 to 50.00
CALLAS		8.00 to 12.00
CATTLEYAS		50.00 to 60.00
CYPRIPEDIUMS		10.00 to 12.50
DENDROBIUM FORMOSUM		...... to 25.00
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		2.00 to 2.50
	STANDARD VARIETIES	White	3.00 to 4.00
		Pink	3.00 to 4.00
		Red	3.00 to 4.00
		Yel. & Var.	3.00 to 4.00
	*FANCY—(*The highest grades of standard var.)	White	4.00 to 5.00
		Pink	4.00 to 5.00
		Red	4.00 to 5.00
		Yel. & Var.	4.00 to 5.00
	NOVELTIES		6.00 to 8.00
LILIES			6.00 to 10.00
LILY OF THE VALLEY			1.50 to 3.00
NARCISSUS—Paper White			.50 to 1.00
" —Yellow			.75 to 4.00
MIGNONETTE—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
SMILAX			15.00 to 20.00
SWEET PEAS			.35 to 1.00
TULIPS			2.00 to 4.00
VIOLETS			.25 to .50
" special			.75 to 1.00
LILAC, per bunch			.50 to .75
FREESIA, per bunch			.10 to .15

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Flowers and Plants for Easter. Fine Lily an
Azalea Plants.
GIVE US A TRIAL ORDER.

Pittsburg.

News Notes.

J. B. Murdoch & Bro. have sold their property on Smithfield street for $175,000 the biggest price per foot for property ever sold on that street. The firm will likely keep up the retail trade for another year in the same place, and then grow cut flowers exclusively for wholesale

John Bader received a large shipment of laurus trees the past week, which arrived in good shape. Mr. Bader's Easter stock of blooming plants is very large—several thousand azaleas, hydrangeas, fine lilacs and good pot lilies, besides bulbous stock in pots and for cutting.

The great Easter flower show in the Schenley Park conservatories will be ready next Sunday and promises to eclipse anything heretofore seen there. Superintendent Falconer was afraid, a few weeks ago, during the warm spell, that plants would hardly hold; but the change in weather helped matters greatly.

The April meeting of the Florists' Club was postponed for a later date, as Easter week would hardly bring a good attendance. E. C. REINEMAN.

St. Louis.

About Town.

Our visitor this week is Arnold Ringier, representative of W. W. Barnard & Co., Chicago. Mr. Ringier has been in Mexico during his trip West, which he says was a most successful one.

C. C. Sanders, of Sanders' Nursery, reports that nursery stock of all kinds is moving fast, and that he has all he can do to supply the big demand. This, with the Easter trade in plants, will oblige all hands to work overtime all of this week.

Ostertag Bros. had a few decorations for large openings the past two weeks. Henry Ostertag reports a very successful season in this kind of work.

President Dunford of the Florists' Club wants all the members to meet at this end of the big bridge next Thursday at one o'clock, to attend the meeting in Belleville. Mayor Halstedt and the craft there are making great preparations for entertaining the members. A large crowd is expected, and a good time is in store for those who may be present. ST. PATRICK.

Detroit.

Easter Indications.

The few bright days make us venture the hope that the Easter lily market will be easier than anticipated. It is feared that the carnation supply will be short, especially white sorts. Bulbous flowers will be plentiful.

Breitmeyer's Sons are elated at the showing their new rose made at the recent exhibition of The American Rose Society. They have an excellent stand of lilies.

Holznagel will have a fine lot of hybrid roses for Easter this year again. Miesel's hydrangeas are nice. Schroeter's stock generally is in good condition, especially his lilies. Sullivan, too, has a fine block of lilies, but they may be a little late. Flammer has all his stock ready for next week's rush

John Dunn, James Taylor, Frank Beard and Robert Flowerday made a pilgrimage to the extensive Dale Estate at Brampton and Dunlop's, at Toronto, and other places in the surrounding country. They praise our Canadian brothers very much and speak in the highest terms of what they beheld, and of the many courtesies shown them

Fred Miesel is up and around again after a long spell of sickness.

George Leadly has been confined to his home for some time, but is improving now. DILGER.

Buffalo

News Notes.

Business among the store men has been good during the past week, augmented decidedly by a run of funeral work

The general retail shopping district has assumed quite an Easter air, window displays being nicely livened up with the living suggestion of the season. The craft are taking a lively and rather rosy view of the outlook, the one needed essential now being that of favoring weather the last of the week.

The classes of stock and variety show better than any year before, and incidentals, charming when properly employed, as ribbons, chiffons and lacy sash effects, quite new, imported mattings, raffia strands in colors, with also the little stuffed ducks and chicks, make up an ensemble of materials ample for the most demanding. Coupled further with a stock of plants and growing bloom, which in quality seems to quite eclipse anything previously known here, a prosperous outlook seems justified. Unusual window displays are being made, and in the stores wall spaces are being shelf-staged, to be massed with plant stocks.

In plant lines at wholesale, W. F. Kasting occupies a near-by vacant store, ample stocks of good quality coming to his hands for disposal. Besides doing considerable local supplying in a clearing-house way, he is shipping freely. The calls thus far are decidedly ahead of last year. Here are handled some well-grown hydrangeas, but in quantity light; well-grown bulbous stock in pots and pans; more or less palms, azaleas well timed in bloom, and lilies in large numbers, the latter commanding 15c. per bloom.

Some of the retail stores show some especially attractive plants, noticeably some bouganvilleas of good size, well bloomed, evidently brought in from the East; pyramidal azaleas, in form truly charming—though to our ideas for effect the pink sorts far outclass the whites. Some lavender shaded rhododendrons, in their profuse blooming, are a feast of form and color. Some of the azaleas seem more floriferous in fine bloom than common, and some bulbs, pan grown, as double Tournesol, red and yellow, tulips, and the Princess single daffodil, command admiration.

Some local department stores are making showings of small ferns and palms in conjunction with metal jardinieres, apparently offered at bargain prices.

W. S. Murray, of London, England, representing an English house, but in Dutch bulb lines, was a recent visitor. VIDI.

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Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Boston Apl. 1, 1903	Phil'delphia Apr. 7, 1903	Baltimore Apr. 8, 1903	Buffalo Apr. 8, 1903	Pittsburg Apr. 8, 1903
		A. BEAUTY, fancy—special	35.00 to 40.00	...... to	...... to	40.00 to 50.00	50.00 to 65.00
Roses		" extra	..... to 25.00	50.00 to 60.00	...... to	25.00 to 30.00	32.00 to 50.00
		" No. 1	12.50 to 16.00	20.00 to 30.00	40.00 to 50.00	10.00 to 20.00	16.00 to 25.00
		" Culls and Ordinary	3.00 to 8.00	15.00 to 20.00	10.00 to 30.00	...... to	6.00 to 8.00
		Queen of Edgely	8.00 to 40.00	10.00 to 40.00	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	... .. to 12.50	...... to	..... to	...... to	12.00 to 18.00
		" extra	8.00 to 10.00	...... to 15.00	...... to	..... to 15.00	8.00 to 10.00
		" No. 1	...... to 6.00	...... to 12.00	10.00 to 15.00	...... to 10.00	4.00 to 6.00
		" No. 2	2.00 to 4.00	..... to 10.00	6.00 to 8.00	...... to 8.00	..... to 3 00
		Golden Gate	...... to	10.00 to 15.00	6.00 to 15.00	...... to	6.00 to 12.00
		K. A. Victoria	...... to	..... to	6.00 to 10.00	8.00 to 15.00	6.00 to 12.00
		Liberty	..... to	6.00 to 40.00	6.00 to 12.00	...... to	10.00 to 25.00
		Meteor	...... to	...... to	6.00 to 12.00	8.00 to 15 00	6.00 to 12.00
		Perle	...... to	...... to	5.00 to 8.00	5.00 to 8.00	8.00 to 12.00
		ORCHIDS—Cattleyas	...... to	...... to	..... to	..... to	...... to ......
		Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations		Inferior grades, all colors	.50 to 1.00	..... to	...... to	..... to	2.00 to 3.00
	STANDARD VARIETIES	White	. .... to 1.50	3.00 to 4.00	3.50 to 4.00	...... to 2.50	4.00 to 5.00
		Pink	...... to 1.50	3.00 to 4.00	3.00 to 4.00	...... to 2.50	... to 3 00
		Red	...... to 1.50	3.00 to 4.00	3.00 to 4.00	...... to 2.50	2.00 to 3.00
		Yellow and var.	...... to 1.50	3.00 to 4.00	3.00 to 4.00	..... to 2.50	.... to 4.00
	*FANCY (*The highest grades of standard var)	White	2.00 to 2.50	6.00 to 8.00	4 00 to 6.00	...... to 4.00	6.00 to 8.00
		Pink	2.00 to 2.50	6.00 to 8.00	4.00 to 6.00	...... to 4.00	4.00 to 6.00
		Red	2.00 to 2.50	6.00 to 8.00	...... to	...... to 4.00	4.00 to 6.00
		Yellow and var.	2.50 to 3.00	6.00 to 8.00	...... to	... . to 4.00	4.00 to 6.00
		NOVELTIES	3.00 to 4.00	..... to	...... to	5.00 to 6.00	... .. to ......
		ADIANTUM	...... to 1.00	..... to 1.00	.... to 1.00	.75 to 1.50	1.50 to 2.00
		ASPARAGUS	25.00 to 35.00	25.00 to 50.00	25.00 to 75.00	...... to 60.00	30.00 to 60.00
		CALLAS	8.00 to 10.00	..... to 15.00	8.00 to 16.00	8.00 to 12.00	6.00 to 12.00
		CHRYSANTHEMUMS	...... to	...... to	...... to	.... . to	to .....
		DAFFODILS	1 00 to 1.50	3 00 to 4.00	1 00 to 3.00	3.00 to 4.00	2.00 to 3.00
		DAISIES	...... to	50 to 2.00	...... to	...... to	1.00 to 3.00
		GALAX LEAVES	..... to ...	.. ... to .10	...... to .10	.12 to .20	. .... to ......
		HYACINTHS	1.00 to 4.00	...... to	4.00 to 6.00	3.00 to 6.00	3.00 to 6.00
		LILAC	..... to	..... to 10.00	...... to	...... to	..... to 10.00
		LILIES	6.00 to 10.00	10.00 to 12.50	10 00 to 15.00	12.00 to 15.00	6.00 to 12 00
		LILY OF THE VALLEY	2.00 to 3.00	4.00 to 6.00	3 00 to 5.00	3.00 to 4.00	3.00 to 4.00
		MIGNONETTE—Ordinary	1.00 to 2.00	..... to 3.00	2.00 to 3.00	2.00 to 3.00	..... to 2.00
		" Fancy	3 00 to 4.00	..... to 4.00	..... to	4.00 to 5.00	...... to 4.00
		NARCISSUS	1.00 to 1.50	3.00 to 4.00	...... to .50	2.00 to 3.00	2.00 to 3.00
		SMILAX	12.00 to 15.00	20.00 to 25.00	10.00 to 25.00	15.00 to 20.00	15.00 to 20.00
		STEVIA	...... to	... to	...... to	...... to	..... to ......
		SWEET PEAS	...... to 1.00	.75 to 1.50	to 1.00	1.00 to 1.50	.75 to 1.00
		TULIPS	1.50 to 4.00	3.00 to 5.00	2.00 to 4.00	3 00 to 4.00	3.00 to 5.00
		VIOLETS	.50 to .75	.... . to	.30 to .60	.60 to 1.25	.50 to 1.50

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Review of the Market

NEW YORK The weather during the ast five or six days has been unprece nted in its unpropitiousness for the cut ower business at this season of the year. aturday last we had a day of rain and ow with a continual high wind; and Tuesday and Wednesday of this week, avy rains all day. With such condi ons, the cut flower trade can be better agined than described; and there was, obably, never before so many flowers the hands of the dealers for Easter me as there is the present year.

Roses have accumulated in huge quan ties, and while it has been possible to tain a fair price for the special grades Bride and Bridesmaid, other grades ve been held as long as possible, and en cleared out at any figure that could got.

American Beauty are both plentiful and eap—cheaper than they have been be re for many months. Bulbous flowers all descriptions are very plentiful and, cept for one or two special varieties of rcissus and one kind of red tulips, there s been no increase in values over those last week.

The supply of violets has shortened con derably, and a slight advance in prices s resulted. Carnations, also, have been ming in lighter in quantity and will erage much better than they have been ing lately.

Cattleyas are a very scarce article, and does not look as though the supply ll be augmented materially for some ys yet.

Lilies, in cut blooms, have been rushed the city in immense numbers, and very w prices ruled at the beginning of the eek, though by Thursday it became evi nt that a better grade of blooms was edominating, and values became stiffer.

The plant trade is exceptionally good, d if we have bright weather for Satur y there is little doubt but that the cut ower trade will also be good. What the aster prices will be no one can tell. This market can reach extremes quicker an any other market in the country; d though it does not look at present as there can be much advance in prices er those quoted to-day, we shall not be rprised to see a marked advance all ong the line.

CHICAGO.—A great increase is noticed the supply of roses which are not eaned up at the end of the day as well could be wished. The price has opped in proportion to the supply. hat the outcome will be this week is ther hard to predict at this writing, ut it is expected the prices realized will equal to the quotations for Easter, ith all orders for roses satisfactorily lled. American Beauty are arriving in rger quantities, especially the fancy rades, and for the past week have been rd to clear out, while in medium grades ere have not been enough to meet the mand. These and the shorter grades ve been the readiest sellers. In Bride d Bridesmaid some clean-up sales were ported the latter part of last week at low a figure as $2.50 per 100, by the ousand lots; and the forepart of this eek finds no decided change in the situa on. Of Liberty there does not seem to enough, and a good price is realized what fancy blooms are available; 5.00 per 100 being the top price.

The carnation problem is what is worry g the wholesalers at the present time. here is not enough of these flowers com g in to meet the demand, and a enomenal high price is obtained for any ir average flower. The price in force is (Tuesday) morning is from $2.50 to 00 per 100; and if there is no increase the supply before Thursday, some cut ng of shipping orders will occur. Violets ave shortened in supply very consider bly, it being rather hard to fill all orders. he consignments of bulbous stock have t increased since last report; from pres nt indications there will be enough for aster sales. The lily situation has as med a brighter aspect, and from what n be learned there will be a sufficiency lilies to meet all demands.

Of miscellaneous stock there is an ever creasing supply, and while some sorts nd a ready sale, others cannot be dis sed of at any price.

There has been no relief in the green tuation, and prices realized are the me as those previously reported

R. J.

ST. LOUIS.—At this writing we are bout to enter upon a very busy week, nd all of us are speculating as to the ospective Easter business. The general pinion seems to be that the outlook is ery favorable for a big trade in both ut flowers and plants The West End lks who carry a large stock of fine lants, anticipate a big trade in this line; e downtown florists handle mostly cut owers. The weather is very changeable ere. Thursday of last week it was hot; riday we had a snow storm, and Satur ay the weather was again warm and leasant.

Trade in cut flowers keeps up remark bly well, and has done so during the ntire Lenten season. We have had lenty of stock the past week; about the only scarcity was that felt in white carnations, funeral work being plentiful.

The rose market is also better. Bride and Bridesmaid sold well at 5c. to [illegible] Other roses of first class grade are somewhat scarce. Good American Beauty are in limited supply. These sell at from $[illegible] to $6.00 per dozen; of shorts we have plenty at $5.00 to $6.00 per hundred

A fairly good lot of colored carnations are coming in, and as these have a big demand at $4.00 and $5.00 per 100, very few are left over. The best of the colored kinds is Mrs. Lawson. Anything in white sells at sight.

In bulbous stock, Roman hyacinths are scarce. Quite a number of Lilium Harrisii are in, bringing $1.50 per dozen at wholesale, with brisk demand. With plenty of L. Harrisii, callas sell somewhat slow. Von Sion narcissus are a drug.

Violets are becoming small, and pale in color, owing to the warm days. The commission men say that violets will be very scarce for Easter trade.

Southern lilac and narcissus are in the market, and sell well. Asparagus, smilax, and adiantum will be in good supply for this week.

There is at present a good deal of speculation as to the supply of lily plants; but from present indications there will be enough of them to go around. As for other plants, such as spiræas, hydrangeas, tulips, lily of the valley and hyacinths in pots and pans, also rhododendrons, there are plenty of them for everybody. A full account of the Easter trade in St. Louis will be seen in the next issue of The Florists' Exchange. St. P.

PITTSBURG.—Easter coming somewhat late this year, good weather was expected, but, instead, for the last week and up to April 8, it could not have been worse, for plant trade particularly—an unusually severe cold spell lasting several days, with the thermometer low in the twenties and the last few days continuous rains have hurt plant sales considerably. There is a great deal of blooming stock to be had, and it will require some hustling to dispose of it in a few days. Azaleas are plentiful, but hardly in as great demand as heretofore. In bulbous stock pot hyacinths are abundant; tulips are about done. Lilies in pots will be scarce. Palms and ferns are going well.

In cut flowers the prospects for Easter seem all right, excepting in carnations, which are uncertain. It looks as if carnations are being held back, as the last few days they were mighty scarce, and prices will likely be away up. Lilies will be equal to the demand, but many are of poor quality, some of which were sold as low as 8c. the past few days. Lilies will bring from 10c. to 12c. for Easter, some exceptionally good ones bringing 15c., wholesale. In bulbous stock daffodils will be plentiful. Roses are coming in very satisfactorily. Easter prices in general for cut flowers are expected to be high; for plants about the usual figures will prevail. If the weather clears up the last few days of this week, a big trade is expected by all; and most of the florists are preparing for it. E. C. R.

CINCINNATI.—There are good prospects of a fine Easter trade. Carnations, as usual, will be a very scarce article in this market. Roses will be more in evidence, and we hope to have nearly enough to go around; the only dread is that the growers will pickle more stock than is good for all parties concerned. J. A. Peterson has some of the finest hydrangeas and Crimson Rambler roses that I have seen in a long time. Peterson is the one man in these parts that can finish these plants to perfection. George & Allan are more than busy getting their bulbous stock in shape. Lilium Harrisii and lily of the valley are their specialties, and of these they have an abundance.

There is nothing new in the plant line to report.

Owing to Easter, the regular meeting of the Cincinnati Florists' Society has been postponed until the 18th, when we shall expect a large attendance, as business of importance to every florist will be brought up.

Joseph Rolker was a caller during the week; also Walter Butler, of Chillicothe, O. E. G. G.

BUFFALO, N. Y.—A good daily demand has been the order for some days, and at Kasting's good stock has cleaned up readily, at favorable prices. Stock in roses and carnations, generally, is of good quality, but the latter especially do not reach around. The outlook for the last of this week would indicate a decided shortage for the demands. In carnations, for instance, some sources of supply promise scarcely half what was furnished a year ago. The run of good tea roses are listed at 8c. to 15c., with carnations of common classes at $2.50 to $4.00 per 100, fancies varying from 50 to 100 per cent above these figures. Good Harrisii lily blooms will command 15c. each. American Beauty will perhaps average 25c. to 30c. for reliable grades. Violets are likely to be in better quantity than quality. VIDI

INDIANAPOLIS, IND. The past warm days have had their effect on bulbous stock, a large quantity of which has gone to waste. There still remains, nevertheless, bright prospects for a big supply of flowers for Easter. Lilies will be plentiful and are quoted at $3.00 to $4.00 per dozen, retail, and $1.50 per dozen, wholesale. Roses are plentiful and will no doubt continue so at Easter. Retail prices this week are as follows: Bride and Bridesmaid, $1.50, $2.00 and $3.00 per dozen. Sunrise and Perle des Jardins, $1.50 and $2.00 per dozen; Liberty, $3.00 and $4.00 per dozen; La France and Souvenir du President Carnot, $3.00 per dozen; American Beauty, $3.00 to $12.00 per dozen. With violets entirely off the market and carnations scarcer than for several years past, there will certainly be a larger demand for roses and lilies.

Plants of all kinds will be plentiful, although some trouble will be experienced in holding back bulbous plants and azaleas. I. B.

BOSTON.—Business in the cut flower line during the first three days of this week was very quiet, but all are making great preparations for the latter part of the week. The shipments of flowers have not been as heavy either as those of last week, but sufficient stock has arrived to meet all demands, carnations being about the only stock much sought which is not overplentiful. Growers of this flower who brought their supplies in on Wednesday sold out readily at good prices. There is every evidence, however, that carnations will be in good supply for Easter, and from present appearances satisfactory prices should be realized on good stock.

Roses have been selling slowly thus far and first-class stock of Bride and Bridesmaid, and, in fact, special grade, was freely offered on Monday at $8.00 per 100. Better prices have been asked for American Beauty this week, but during the early part they, too, have not sold very briskly. The same may be said of all roses.

The supply of bulbous flowers continues very heavy. Jonquils and daffodils make $1.00 to $1.50 per 100, with Empress and Emperor at $1.50 to $2.00 and Horsfieldii and Golden Spur at $2.00 to $2.50 per 100. Lilies are very plentiful at $8.00, $10.00 and $12.00 per 100.

Violets have not been so numerous, but quite a good supply is looked for the last of the week, though single ones are apt to be a little scarce.

The plant market has been booming all week, and most of the growers express themselves as very well satisfied with the trade. Lilies ranged from $12.50 to $15.00 per 100, flowers and buds. Pans of bulbs made $6.00 to $7.00 per dozen; spiræa, $4.00 to $9.00 per dozen, and Crimson Rambler roses, hybrid roses, acacias, genistas, hydrangeas, azaleas and other seasonable stock were in various sizes and in good supply. • F. J. N.

Philadelphia.

Easter Prospects.

Up to noon on Thursday the condition of Easter business was satisfactory to all. The quality of all plants in bloom is very gratifying to the retailers, as everything has come in in splendid condition. Growers generally have taken notice of the conditions of the past two seasons, and not nearly so many large plants are seen this year. All the medium sizes are selling well. It is difficult to write about any special kind of plants, as all are well done this year. Hydrangeas are not too numerous, and those seen are good. Pennock Bros. have some blue-flowered plants of these from Louis A. Dupuy; they are named Hydrangea azurea, and are nice compact plants in 6-inch pots. The color is of a different shade from any blues seen here, and shows up well under artificial light. Dupuy imported the plants when small from France, from a grower who for some time past has had the monopoly of them in the Paris market. They were grown in soil obtained from an old quarry, and several bags of this soil were also brought over in which to grow them on.

It is doubtful if azaleas were ever offered in better condition than now, and there are also a great many more smaller plants this year to retail at $1.50 and $2.00. There are not so many bulbous plants seen, such as hyacinths and narcissus.

There appears to be any number of lilies, and most of them are well finished and in good salable sizes. Ericas are also in very good shape, and in good assortment.

Crimson Rambler roses are not so numerous this year; those seen are well-flowered and mostly of medium sizes.

The made up baskets of flowering plants are certainly increasing in favor; those retailing at from $6.00 to $10.00 are going fast; in fact, the public is taking any plant that has a fancy pot cover or crepe paper and ribbon, at first sight. A slight embellishment makes a splendid first impression.

As regards cut flowers, there is any quantity of American Beauty roses; at present it looks as if there were too many, as there are also lots of Ulrich Brunner. John Burton and the Hugh Graham Estate are cutting heavy on these latter. All the commission houses report being unable to fill orders complete on carnations, as they cannot get the stock. As usual, it is expected there will be plenty on hand Saturday, when they cannot be sold. They are wanted now to fill out-of-town orders. Several of the local stores handle as few carnations as possible, not being able to rely on them. One shipment to hand this Thursday morning looks four or five days too old. It is hoped no more like this will come in. There are large quantities of cut lilies around, evidently more than usual.

There is quite a demand for violets. Singles are practically done and doubles are small and not satisfactory generally.

Eugene Bernheimer has received three important consignments this week. General Jacqueminot, the first in this season, lavender sweet peas, also the first this season, I believe; third, and most important, a little girl arrived at his home Thursday morning—a happy Easter greeting.

DAVID RUST.

Boston.

News Jottings.

At all the stores, wholesale and retail, great preparations have been going on all week for the Easter traffic, and extra forces have been put on. The retail stores are exceptionally gay with their immense and varied stocks of potted plants.

The Flower Market opened at its new location on Monday.

At Robert Montgomery's Natick establishment I saw one of the finest houses of American Beauty roses it has ever been my pleasure to look at. The house was planted in March, 1902, and flowered all Summer, and in the Fall, when the plants were beginning to go shy of bloom, they were cut down to the stumps and rested all Winter, with the result that when the heat was again applied they threw up a very vigorous growth, and are now a mass of buds. The plants are short and bushy and will average eight to ten flowers to a plant. A new crop is appearing which will give fine long stems, as many of the canes now are three feet in length. This treatment of the American Beauty by Mr. Montgomery has certainly proved successful, more so, in fact, than under the old arrangement, and will be adhered to in the future. F. J. NORTON.

CHICAGO.—On April 4 a fire occurred at 75 and 77 West Monroe street, adjoining the building occupied by the Leonard Seed Company. The latter structure was badly damaged.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.
WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective indoors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5 pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

Canadian News

Hamilton.

Easter and Spring Prospects.

Prospects are rosy for a record-breaking Easter trade. Plants are plentiful and good. The local supply of cut flowers will be totally inadequate and large quantities have been ordered from outside points. Bulbous stock will be fairly plentiful and good. I do not anticipate any oversupply, though. It is too bad some of the store men do not take up the fancy pot cover idea and decorating with ribbons. The cry is heard that a sufficient price cannot be obtained. How can one judge unless he has tried it? I will admit that if prices were demanded in the half-hearted way which obtains at present with some growers we might witness the refreshing spectacle of the plant being sold at cost price with the pot cover thrown in gratis.

Dave McLeod is busy, having a fair lot of Easter stock to attend to and a great deal of Spring stock, which occupies a large range of frames. This young grower's place is one which, from present appearances, is not liable to become hide-bound at the one-man-and-a-helper stage, but seems destined to grow.

John A. Bruce & Co. are rushed with orders in consequence of the early season. I found the affable Tom Lawson at the counter with hardly time to talk.

Walter Holt has been under the weather for a few days with grip. He is pretty well rushed with orders.

Webster Bros. have almost their full force of men and helpers at work. They expect a largely increased trade from the Northwest Territories this Spring.

Horticultural Society.

R. B. Whyte, of Ottawa, lectured before the Society on the 6th inst. The subject was "Bulbs and Bulbous Plants." Spring bulbs, of which he had many samples of flowers with him, came in for a large share of attention. Gladiolus were also specially mentioned, and in this connection H. H. Groff was given due credit for the magnificent improved strains he has produced.

Jas. Garrett and J. Milton Graham attended the meeting as delegates from the Gardeners' and Florists' Club, and were well received.

This Society is flourishing under the management of President McCulloch. Arrangements have been made for a Fall Show in the Armory, and if the present arrangements are carried out it will be the biggest horticultural exhibit seen in the city for many years.

G. & F. Club Meeting.

The regular meeting of the club was held on the 7th inst. President Turner announced that through the kindness of Fred Foster a neat bank account had been unearthed; it had been the property of the old Florists' Club, which went out of existence 11 years ago. Arrangements have been made so that the funds are being transferred to the treasurer of the present club.

C. Webster reported that T. Manton, of Toronto, had agreed to deliver an address before the club after the Spring rush. Arrangements are to be made with Roderick Cameron, of Niagara Falls, to address the next meeting to which the members of the Horticultural Society will be invited.

BEAVER.

Montreal.

News Jottings.

We have had several rainy days, but the probs predict fine and warm weather for the balance of the week and for Easter. If this forecast proves correct a great trade will be done in this city; never before have the prospects been better. The florists' stores are stocked from floor to ceiling with great quantities of splendid plants, lilies and spiraeas predominating. Roses and carnations will be scarce, but bulbous flowers very plentiful. No smilax whatever can be had.

Miss Isabella Cairns has her neat store in the Art Gallery block well filled and the arrangement of the flowers is very tasteful. Miss Cairns reports a large number of advance orders over last year, and expects trade to increase 50 per cent.

L. H. Goulet reports a great demand for roses and carnations, with supplies short.

S. S. Bain's two stores are very busy. His greenhouses were open for inspection last Saturday, but as the weather was inclement very few visitors attended.

Club Notes.

Thirty members attended the regular monthly meeting Monday night. Mr. Darcy read a paper on lilacs, which was well received.

The club will hold a euchre (twenty-five tables) after Easter. Handsome prizes will be given the lady and gentleman winning the highest number of points. This will be the last social given by the club this season.

Mr. Gibb, of the City Gardens, will read a paper at the next meeting on "Public and Private Parks as Seen in Boston."

Great interest is being taken in the chrysanthemum show to be held in the Windsor Hall next November. This exhibition promises to be the best yet.

Some of the growers are complaining of the quality of carnation cuttings being sent out. One man who received one hundred Adonis says he will be lucky if twenty-five of them grow. Considering the high price charged, and the chances of the variety being half as good as it is cracked up to be, this is discouraging.

W. C. H.

Sandwich, Ont.

The greenhouses of the Windsor and Sandwich Floral Company were in the line of the hail storm of April 2. Two-thirds of the glass in the greenhouses was broken, and most of the stock damaged. The loss is stated at $1,000. The glass was double thick, 16x24.

TORONTO. Business continues good, and, although stock is very plentiful, it is nearly always cleaned up. There has been offered a large supply of both Harrisii and longiflorum lilies during the last ten days, but the store decorations have cleaned up most of these. Prices have often been very low. Most growers ask from 8c. to 15c per bloom, but last week and this one of the large department stores sold them at retail at 8c per bloom, and they were snapped up. Most of the flowers are full out, and would not keep very well until Saturday. Roses are not over-plentiful, but are generally of good quality, and are likely to sell at good prices for Easter. The same may be said of carnations; they have generally cleaned up well all Winter, and there is no overstock as yet. Prices for Easter are stiff. Violets have been of good quality all Winter, but are scarcer now, and I only know of one grower who has a really good cut for Easter—Wm. Fendley, of Brampton. He has also a fine cut of carnations. W. J. Lawrence has had a very fine lot of lilies; his roses are doing very well; he has a fine stock of young ferns coming on. Miller & Sons, of Bracondale, are sending in some very nice lily plants; and their carnations are quite up to their standard. Jay & Son have two good houses of carnations; some good lilies just right, and a fine stock of bulbous stock. Their foreman, Arthur Charlton, is leaving to go up to the Dale plant, at Brampton. George Mills has been having fine carnations all Winter, the plants are a little off just now, and his Easter cut will not be so heavy as usual. His plants, however, look fine. Glacier has been his best white, and he will plant more of it next year. This variety has done very well all around Toronto this year. Dunlop will have a fine cut of roses, his carnations are not in full crop, but he will have a nice lot of good blooms. The Toronto Floral Company is a little light on roses and carnations, which have been cut very close. This firm has some pretty American Beauty roses in pots just right.

The St. Lawrence market will be filled with stock on Saturday.

W. W. Gammage, of London, was in the city last week. He says business is very good there this season and he expects to build several houses this Summer.

T. M.

DOUBLE PETUNIAS

Bushy, fine for stock plants, 3½ in.	$6.00	per 100
Asparagus Plumosus, 3 in. fine	8.00	"
Araucarias, 5 in. pots, 4 tiers, $7.00 per 10.		
Spiræ Van Houttei, 2½ ft	12.00	"
Honeysuckle, Tat. Bush, 2¼ ft	7.00	"

And a full line of other shrubs ready now.

Webster Bros., Plantsmen, **Hamilton, Canada**

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display).

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by experienced grower of stove and greenhouse plants, orchids, roses, carnations, chrysanthemums, etc.; married. State wages. Address C. G. Z., Coatesville P. O., Pa.

SITUATION wanted. Life experience growing carnations, violets, chrysanthemums, pot plants and especially roses. Middle age; single; sober. State wages. Address A. Gergen, 12 Chatham Sq., New York.

WANTED, position as head gardener on private place, four years on Daniel S. Lamont's estate as general superintendent, age 34; English; 12 years in the States. Address A. N., care Mrs. M. Murray, 55 Wallace St., Orange, N. J.

SITUATION wanted as gardener to take charge of private place, by competent, reliable landscape gardener and florist, up-to-date in greenhouses, married; No. 1 references. State wages. Address Box 5, Winfield Junction, L. I., N. Y.

WANTED, steady position, May 1, by good all-around man, age 25, ten years' experience in chrysanthemums, palms, ferns, carnations, violets, etc. Able to take full charge; private or commercial. First class references. Belgian; married. Address Florist, P. O. Box, Crestline, Ohio.

SITUATION wanted as foreman by practical all-around grower; roses, chrysanthemums, carnations a specialty; capable of managing a large plant. Only those willing to pay good wages need apply; first-class references. Foreman, 61 West Devalve St., Germantown, Philadelphia, Pa.

SITUATION wanted as foreman on large commercial place by married man. Should like to make carnations a specialty, as writer had charge of one of the best carnation growing establishments for the past five years. Vicinity of New York City preferred. Address P. A., care Florists' Exchange.

HELP WANTED

WANTED, by April 20, single man, experienced in rose growing; no others need apply. R. Asmus, New Durham, N. J.

WANTED, three single men experienced in growing roses and carnations. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED, day fireman who understands steam boilers and pipe fitting. Steady employment. State wages, etc. W. K. Partridge, Lockland, Ohio.

WANTED, all-around man as greenhouse assistant; single, sober; $10.00 per week; steady position. Apply John White, Waverly Place, Elizabeth, N. J.

WANTED, an assistant rose grower, one familiar with the growing of American Beauties. Myers & Samtman, Wyndmoor, Chestnut Hill, Philadelphia, Pa.

WANTED, single man, experienced vegetable grower and knowledge of greenhouse work; wages $25.00 per month and board. Address R. K. Millar, Alexandria Bay, N. Y.

HELP wanted, at once, good all-around man for retail place, Eastern New York; $25.00, board and room. State experience and reference. Address P. D., care Florists' Exchange.

WANTED at once, man who has had experience in rose growing, cutting, and re-potting. Must come well recommended. Apply to foreman of E. G. Asmus, Hudson Boulevard and Milone St., West Hoboken, N. J.

WANTED, industrious, trustworthy and steady young man, capable of taking some responsibility, in commercial greenhouses; permanent position; wages $20 per month and board, besides free room, etc. Address Th. F. van der Meulen, Dunkirk, N. Y.

WANTED at once, young or middle-aged man to travel on the road, soliciting orders for hardy nursery stock and landscape work. Will pay salary and expenses according to knowledge of business and executive ability. Situation permanent. West Side Nurseries, Worcester, Mass.

WANTED, an experienced and skilful propagator and grower of herbaceous perennials, to take charge. A German or Dane of good address preferred. Wages moderate at the start. To the right man a small interest in the business will be given. A good chance for a good man; address North Shore Ferneries, Beverly, Mass.

WANTED, young married man, not over 35 (preferably one now engaged as section man, or second hand on place where modern methods prevail), as working foreman for about 20,000 sq. ft. glass. Wages $12.00 a week and comfortable house, advanced as results warrant. Must show testimonials as to character, industry, and ability to grow good roses, etc. Location healthful and pleasant. Wm. B. Sands, Lake Roland, Baltimore, Md.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED, experienced young man or lady f flower store, few miles from Boston; must b a good maker-up on designs, etc. Address stating wages and references, P. O. Box 1112 Boston, Mass.

VIOLET GROWER WANTED.

A GOOD, PRACTICAL "MARIE LOUISE" VIO LET GROWER; MUST BE TRUSTWORTHY AND COMPETENT TO TAKE CHARGE; NON BUT AN A-1 GROWER NEED APPLY, AN TO SUCH A GOOD POSITION IS OFFERED APPLY THOS. DEVOY & SON, FLORISTS WORRALL AVE., POUGHKEEPSIE, N. Y.

WANTED

FOR AN ALL-AROUND OFFICE MAN, a brigh young fellow of 20 to 25, familiar with nurser varieties and preferably having some knowledg of book-keeping. Must be of good address an capable of acting as traveling salesman occasion ally. Address "Wholesale Nurserymen," car Florists' Exchange.

BUSINESS OPPORTUNITIES

LARGE greenhouses, well stocked, doing goo business, house and ten acres of land, i large city in northern Ohio. Address L. L care Florists' Exchange.

FOR SALE, well paying florist establishme at Grandview-on-Hudson, N. Y. Three gree houses 20x130; seven acres land; nine-room re idence; everything in fine condition. Addres N. L., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x20 ft., ¾ span; propagating house 100 ft.; po ting shed; steam heat; city water; dwelling an stable, at Highland, opposite Poughkeepsie, N Y. Immediate possession. Joseph Wood, Sprin Valley, N. Y.

FLORIST BUSINESS FOR SALE—Establishe over 30 years in the best location on Mass chusetts Ave., North Cambridge, Mass. We stocked with plants, etc., doing a good bus ness. Selling on account of death of the owne Apply to Mrs. W. A. Bock, 2388 Massachuset Ave., North Cambridge, Mass.

FOR SALE—Old established florist business, 4 acres of ground, 10 greenhouses, cold frame 7-room house, barn, etc. Large cemetery opp site. Thirty minutes from New York City. Tro ley cars pass place; 36 years in present locatio Entire property and business. Large field f wholesale and retail trade. Call and inspect, address Mrs. C. M. Hutchinson, Elizabeth, N.

FOR SALE OR TO RENT—Greenhouse plant 10,250 feet of glass with one acre of lan glass 10 x 14, set 14 way; heated by hot wate everything in good shape. Houses fit for carn tions, violets, chrysanthemums, roses and gener stock. At Bennington, Vt. A good stand a small competition. Will be sold cheap; own has other business. Full particulars of W. Richardson, 18 Main St., Somerville, Mass.

FOR SALE—This is a great bargain in a gree house property for two-thirds its cost; a new, and good trade with place; one hour fro New York; near railroad and boats; contai two acres best soil in Jersey; cottage, moder improvements; steel windmill; barn, hedge trees, etc.; 5500 sq. ft. glass, and frames extr steam and hot water heat, boiler house tw stories. Will make fine summer home, as it well situated. Price very low. Address H. H lick, Long Branch City, N. J.

MISCELLANEOUS WANTS

WANTED, 1000 feet cast iron 3-inch pipe fo cash. Frank Elsner, Great Barrington, Mass.

WANTED—Second-hand, modern, iron fram greenhouse about 20 x 100. F. o. b. cars o steamers, for cash. A. W. Smith, Americus Ga.

WANTED to buy, 12,000 to 15,000 feet of glas with two or more acres of land within on hour of New York City. Send full particular to P. C., care Florists' Exchange.

WANTED to lease a plant with from 10,000 t 15,000 feet of glass, within 50 miles of New York City; must be in good condition; no run down place wanted. Address P. B., care Flor ists' Exchange.

WANTED, lowest quotations for American Pear tuberoses, 4 to 6-inch bulbs; delivery earl next season. Also for flower and vegetable seeds crop 1903. Firm offers to Pontey's, wholesal seed and bulb merchants, 21 Cornwall St., Ply mouth, England.

Here's Your Chance

For pumping Engines, all in first-class condition complete with pumps, ready to connect pipe. Two Ericsson No. 5, $60.00 each: $40.00 down balance, $5.00 monthly. Four No. 6 Ericsson, wit pump, all complete, $65.00 each; $40.00 dow balance, $5.00 monthly. One No. 8, same mak and condition as above, $80.00; $60.00 down; balance $5.00 monthly. One Rider No. 4, $40.00; $25.00 down balance, $5.00 monthly. One No. 10, all complet $100.00; $75.00 down; balance, $5.00 monthly. 5 pe cent. off for full amount with order. Four Hitching Boilers, $45.00 each. One Seven Section Smith & Baker Boiler, for steam or hot water, $50.00. Fo prices on pipe and other materials, see last week' issue.

MANHATTAN SUPPLY CO., 339 E. 23d St., New Yor

Mention the Florists' Exchange when writing

Chicago.

ws of the Week.

The past week has seen some her erratic weather changes. We ve had Summer and Winter conditns in less than twelve hours. This s had a considerable effect on the rket The clear and bright days will d to increase the supply of roses; but do not think there will be any relief ded in the case of carnations, ich are bound to be in short supply d prices higher. At this writing, esday, it is difficult for the wholers to fill their shipping orders for nations. Present indications point the fact that there will be more lilies the market than can be cared for perly.

he wholesalers and retailers are of opinion that the coming Easter de will be better than this city has ore seen.

he new store opened by A. Lange, 47 Monroe street, has been given the me of "The Floralia;" Lee Walz is manager. There are two as fine w windows as could be wished for. enry C. Rowe has leased the store 39 Monroe street, and will use it as nporary quarters during the Easter h.

Raske, of the Board of Trade wer store, reports business good, both his old place and the new one he recently opened in the Grand Pac Hotel.

aughan's Seed Store is busy at the sent time with retail trade.

he Anderson Floral Company is ndling some very fine white antirrum, which is selling, retail, at $1.50 $2.00 per dozen.

IcKellar & Winterson report sales of ster novelties away ahead of last r's.

eorge M. Garland last his paint p by fire early Friday morning, April By the extra exertions of the bucket brigade his other buildings were ed. The destroyed structure was t recently completed.

J. Hauswirth had the decorations the presidential receptions. Those the luncheon were in red and green, ile Spring flowers were used in the nquet decoration.

B. Deamud is again around after a ge of sickness.

M. Gasser, Cleveland, Ohio, was a ent visitor.

ROBERT JOHNSTONE.

Cromwell, Conn.

3v the last of this week A. N. Piern will have shipped about 150,000 lium longiflorum blooms and buds, of ich at least 120,000 have gone in pots. Two good pieces of work are finished he rose grafting and the planting of of the valley. There will be someng over 100,000 of the former, and ile many of the young plants have eady been shipped the larger part ve been held until after the Easter h is over. In regard to the latter, out 2,000,000 pips have been planted s Spring.

he sale of violets in bunches and ts has always been an important ture of the Easter trade. This year, ing to the warm and unseasonable ather of the past three weeks, there none at all. They simply ran out ore their time, and the house has en given up to sweet peas, which already attained a good growth in nch pots.

H.

Hackensack, N. J.

he Red Towers Greenhouses do not m to be feeling the effect of the rently inaugurated competition. Their siness is double that of last year at s time. The nursery department is o booming, necessitating overtime rking.

Bloomfield, N. J.

ohn Rosbach & Son grow a general ck. They have made some happy ikes in annuals lately, which sell dily. An attractive store at Bloomd Centre draws considerable passing tronage.

J. B. D.

Lowell, Mass.

everal of the local florists are canates for the position of superintend of parks and commons, among em Charles Marshall and John Oliver. e commission will make its selection May.

Orange, N. J.

A greater Easter preparation has been made this year than ever before. kin & Collins have kept up a veritable flower show in their windows since Christmas time. At the Bell Street Greenhouses this firm has a fine bench of lilies, free from any disease and robust in growth. The bulbs were planted last August, and have been kept cool and grown with excellent judgment.

Charles Read has a full supply for Easter. Emil Decker is depending largely on a call for cut flowers. His mignonette, from which he has been cutting since December, still furnishes good spikes. The strain is one which it has taken him six years to perfect.

George Atkinson has devoted the "Castlewood" houses to lettuce, but at the houses on the Northfield road his carnations are in fine condition.

At Manda's, in South Orange, a large business has been done for Easter. Mr. Manda reports a shortage of lilies for this section. An increased call has been experienced for orchids, principally cattleyas and lælias. Cœlogyne cristata is also in demand for bridal bouquets. A large consignment of South American orchids has just been received. Jean Greyot, recently sent out by Mr. Manda to collect orchids in Mexico, was stabbed there, and until within a day or two was believed to be at the point of death. A large and valuable collection of conifers has just been set out. All are named and classified. Some fig trees in tubs are being grown. The recent enlargement has admitted of a better display of palms. Mr. Manda is erecting a hexagonal end, nearest the railroad, and anticipates a further addition of a curvilinear-roofed palm house in the east side of his establishment. Dan. MacRorie has returned from a successful trip.

The sheriff visited Fenner, of Mountain Station, on April 7.

J. B. D.

Montclair, N. J.

J. C. Williams reports trade in nursery stock brisk.

A. D. Rose is adding a carnation house to his plant. He scored a triumph in the decoration for the marriage of Joseph Jefferson's granddaughter at this place. His lilies are in excellent shape for Easter.

A. S. Wallace is a very successful grower of bulbous stock here. Paul Wilcox grows for the wholesale trade. Mr. Reed has taken the place of Oscar Carleson as head gardener.

J. B. D.

Foley Floral Fotographs

Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.

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The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29.00
4.—3x5x24	2.75	25.00	9.—5x10x35	6.50	60.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Apr. 7, '03	St. Louis Apr. 7, '03	Cincinnati Apr. 7, '03	Milwaukee Mar. 30, '03	Detroit Apr. 8, '03
Roses	A. BEAUTY, fancy—special	50.00 to 60.00	32.00 to 50.00	...... to 35.00	25.00 to 35.00	...... to 50.00
	" extra	35.00 to 45.00	16.00 to 25.00	...... to 25.00	18.00 to 20.00	...... to 40.00
	" No. 1	20.00 to 35.00	8.00 to 12.50	..... to 16.00	12.50 to 15.00	..... to 30.00
	" Culls and Ordinary	8.00 to 12.00	4.00 to 6.00	8.00 to 12.50	6.00 to 8.00	15.00 to 18.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to .....
	Bride, 'Maid, fancy—special	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	...... to 8.00	..... to 8.00
	" extra	5.00 to 6.00	..... to 7.00	..... to 8.00	...... to 6.00	...... to 6.00
	" No. 1	4.00 to 5.00	...... to 6.00	6.00 to 7.00	...... to 4.00	...... to 5.00
	" No. 2	3.00 to 4.00	...... to 5.00	3.00 to 4.00	...... to 3.00	...... to 4.00
	Golden Gate	4.00 to 10.00	5.00 to 10.00	6.00 to 10.00	4.00 to 8.00	5.00 to 8.00
	K. A. Victoria	...... to	6.00 to 10.00	...... to	4.00 to 8.00	...... to ....
	Liberty	6.00 to 25.00	6.00 to 10.00	6.00 to 10.00	4.00 to 8.00	..... to ......
	Meteor	4.00 to 8.00	5.00 to 8.00	4.00 to 6.00	4.00 to 8.00	5.00 to 8.00
	Perle	4.00 to 8.00	5.00 to 8.00	3.00 to 4.00	4.00 to 8.00	4.00 to 8.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	..... to 50.00
	Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	2.50 to 3.00	...... to 3.00	...... to	...... to	...... to ......
	STANDARD VARIETIES White	3.00 to 4.00	...... to 4.00	...... to 2.00	..... to 2.00	2.00 to 3.00
	Pink	3.00 to 4.00	...... to 4.00	...... to 2.00	..... to 2.00	2.00 to 3.00
	Red	3.00 to 4.00	...... to 4.00	.... to 2.00	...... to 2.00	2.00 to 3.00
	Yellow and Var.	3.00 to 4.00	..... to 4.00	... to 2.00	...... to 2.00	2.00 to 3.00
	*FANCY— White	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	3.00 to 4.00	4.00 to 6.00
	(*The highest grades of standard var) Pink	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	3.00 to 4.00	4.00 to 6.00
	Red	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	3.00 to 4.00	4.00 to 6.00
	Yellow and Var.	5.00 to 6.00	5.00 to 6.00	3.00 to 4.00	3.00 to 4.00	4.00 to 6.00
	NOVELTIES	6.00 to 8.00	...... to	..... to	..... to	...... to ......
	ADIANTUM	1.00 to 1.50	...... to	..... to 1.50	...... to	..... to 1.50
	ASPARAGUS	40.00 to 75.00	10.00 to 30.00	40.00 to 50.00	20.00 to 40.00	40.00 to 60.00
	CALLAS	10.00 to 15.00	12.50 to 15.00	..... to 10.00	...... to 12.50	12.00 to 15.00
	CHRYSANTHEMUMS	...... to	... to	...... to	...... to	...... to ......
	DAFFODILS	3.00 to 4.00	1.00 to 3.00	..... to 3.00	...... to 3.00	3.00 to 4.00
	DAISIES	.75 to 2.00	.... to	...... to .50	...... to .50	...... to .75
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	..... to .20	..... to .10
	HYACINTHS	2.00 to 3.00	3.00 to 6.00	...... to 4.00	...... to	3.00 to 6.00
	LILAC	12.00 to 15.00	...... to 6.00	..... to	...... to	..... to ......
	LILIES	10.00 to 15.00	12.50 to 15.00	12.50 to 15.00	...... to	15.00 to 18.00
	LILY OF THE VALLEY	3.00 to 5.00	...... to 4.00	3.00 to 4.00	...... to 4.00	3.00 to 5.00
	MIGNONETTE—Ordinary	4.00 to 6.00	...... to	...... to	...... to ...	...... to 3.00
	" Fancy	6.00 to 8.00	...... to	...... to	...... to	...... to 6.00
	NARCISSUS	3.00 to 4.00	..... to 4.00	..... to 3.00	...... to	3.00 to 4.00
	SMILAX	15.00 to 25.00	..... to 15.00	..... to 15.00	...... to 18.00	18.00 to 20.00
	STEVIA	...... to	...... to	...... to	...... to ...	...... to ......
	SWEET PEAS	.75 to 1.00	...... to .40	.... to 1.00	.50 to .75	.50 to 1.00
	TULIPS	3.00 to 6.00	.... to	3.00 to 4.00	2.00 to 3.00	3.00 to 6.00
	VIOLETS	.50 to 1.50	...... to	...... to 1.00	.50 to .75	.50 to .75

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Syracuse Pottery Co.,
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 n pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	3.00
		HAND MADE.	
1500 2½ " "	6.00	48 9 in. pots in crate,	$3.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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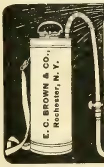
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10 minutes and cover ¼ acre. Perfectly Automatic, operator merely walks and directs nozzle Spray from fine mist to solid stream Any boy can work it. Brass working and contact parts make it perfect working and durable. For poultry houses, vines trees, etc. Catalog P free Shows the best line of all size, all purpose sprayers made. Write for agency.

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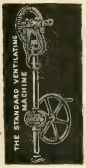

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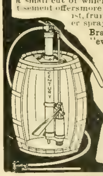

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Cylinder 2½ ins., stroke 5 ins. Then, too, it sells at a lower price than other good pumps. Send for handsome free catalogue, showing full line of pumps and twenty varieties of sprayers.

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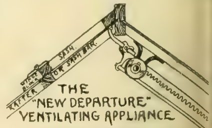

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DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

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3 ft. 3 in. x 6 ft. 4 " 8 "
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Clear Cypress, 1¾ inch thick, without paint or glass.

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All Heart Cypress Lumber for Greenhouses.

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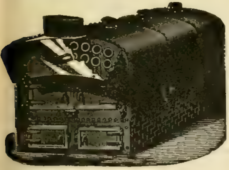

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The new carnation farm already begins to show the extensive plans made for the enterprise. Three greenhouses have been completed and are occupied. They are each 200 feet long and 15 feet wide. Just to the south of these six similar greenhouses are to be constructed.

A complete steam-heating plant is installed.

During the last week about five acres have been prepared for the young carnation plants, and most of these were set before the recent heavy rains, giving them a great advantage. This tract is irrigated by a system of 4,000 feet of 1-inch and 1,700 feet of 2-inch pipe, supplied from the city waterworks

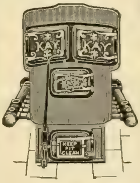
It has been determined that an abundant water supply can be procured on the land, and in the near future two wells will be sunk.

The investment in the new enterprise at present represents an outlay of about $10,000, and this is but the beginning of the industry.

San Francisco.

The State Floral Society met recently, when the following nominations for officers for the approaching term were made: For president, Professor Emory E. Smith; first vice-president, Mrs. L. O. Hodgkins; second vice-president, Dr. Harry L. Tevis; recording secretary, Mrs. H. P. Tricou; corresponding secretary, Mrs. W. H. Wiester and Miss Georgia Barker; treasurers, Mrs. M. Grothwell and J. Thompson; accountant, Mrs. A. R. Gunnison. The society has decided to join the Horticultural Society of England.

WILLIAM H. KAY COMPANY
244 FULTON ST., NEW YORK



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WROUGHT IRON PIPE, FITTINGS, VALVES, HOSE.
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IN 5 SIZES.

specially adapted for moderate ranges. We also make Sectional Boilers for large Ranges. Highest economy, reasonable price.

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PLANS and Estimates furnished on application for Heating and Ventilating Apparatus erected complete or for material only. Highest awards at World's Fair.

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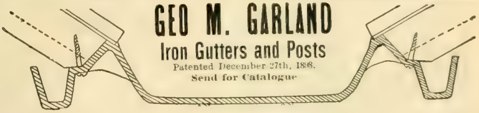

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Iron Gutters and Posts
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GULF CYPRESS
Greenhouse Material
CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

New Twin Section Boiler.
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We Furnish Everything for Building.

Greenhouse GLASS
AT WHOLESALE.
GET OUR PRICES BEFORE ORDERING.

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SHORT-ROOF GREENHOUSES. (Patented.)

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation. Perfect Guttering.

NOTE.—The V Gutter, as well as the other parts of the houses, peculiar to this construction, are fully covered by Letters Patent.

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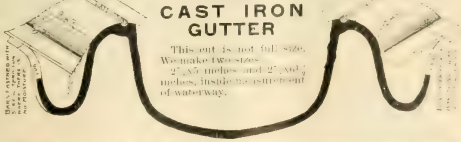

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CAST IRON
GUTTER

This cut is not full size. We make two sizes
2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

Mention the Florists' Exchange when writing.

The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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32 Church Street, Toronto, Can.

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Largest Stock in the Country

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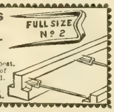

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	In. pots	doz.	100
Sprengeri	3	$0.75	$5.00
"	2	.50	3.00
Ageratum, 3 varieties	2½	.50	3.00
Anthericum variegatum	3	.75	5.00
Bouvardia Humboldii	2½	.50	3.00
Carnations, Wm. Scott and Lizzie McGowan, hardened off in cold frames, from soil, $15.00 per 1000, $2.00 per 100.			
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Fuchsias, in variety	2½	.50	3.00
Feverfew, Little Gem	2½	.50	3.00
Geraniums, best standard sorts	3	.60	4.00
Ivy, English, hardy strong plants	4	1.50	10.00
Ivy, Parlor	2½	.50	3.00
Periwinkle, variegated	4	1.50	10.00
Petunias, double white	2½	.50	3.00
Pansies, strong plants		.35	2.50
Salvias, 3 varieties	2½	.50	3.00
Verbenas, named varieties	2½	.50	3.00
Heliotrope	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, 3 varieties	2½	.50	3.00
Lemon Verbenas	2½	.50	3.00
Moon Vines, strong	3	.75	5.00

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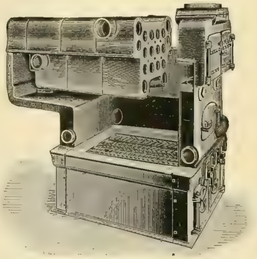

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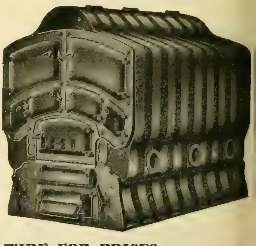

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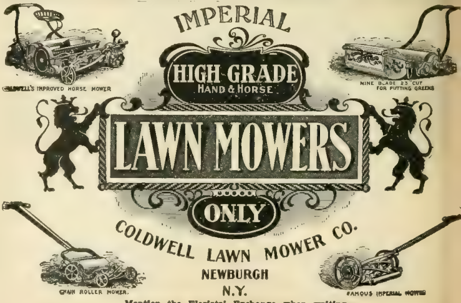

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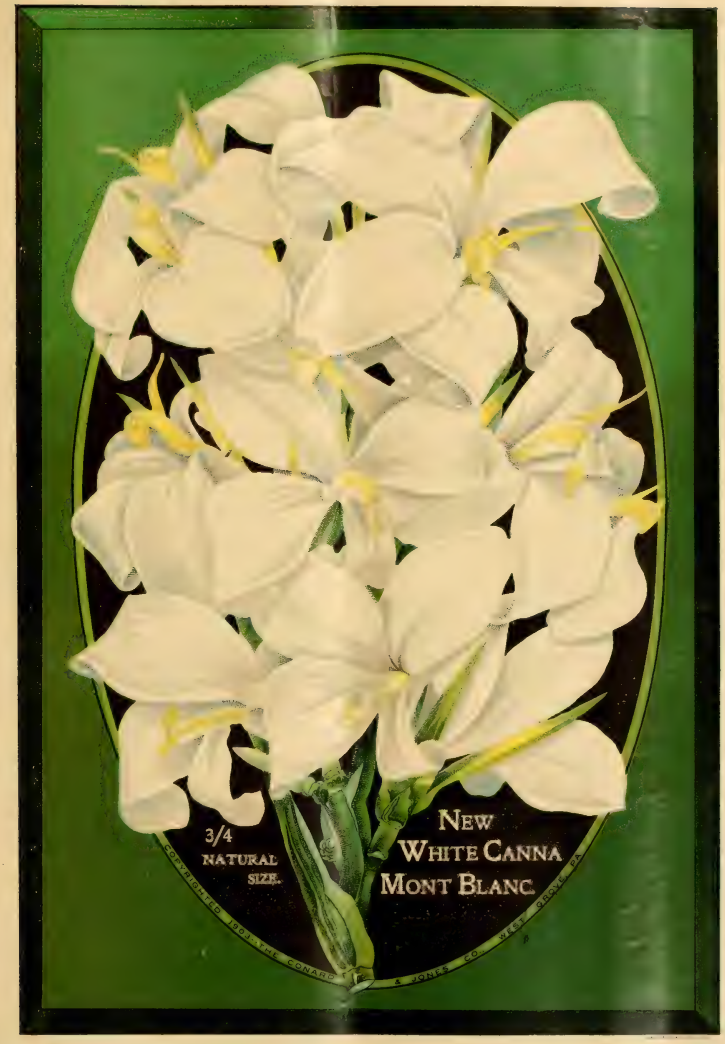
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Vol. XV. No. 16 NEW YORK, APRIL 18, 1903 One Dollar Per Year

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Strong field-grown plants, $12.00 per 100; extra heavy plants, $16.00 per 100.

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Large flowering hybrids of Catawbiense, the est hardy ironclad tested sorts, splendid lants, well budded, 1½ ft. high, $75.00 per 0. Large specimens from 2 ft. high, $18.00 er doz.

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Named Varieties: Fancy, Show, Cactus, and Pompon	$6.00	$50.00
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Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
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12-15 in.	per doz.,	$4 50
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18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

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$15.00 per 100
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Extra Fine Stock, 4-6 in. circumference	$7.00	per 1000
Good Flowering Stock, ¾ in. "	3.00	"

Prices hold good while stock lasts.

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Special Offer f.o.b. New York. 5% discount for cash with order.

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Medium Size, 3 to 4-in.	$0 50	$3 50
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Mammoth Bulbs, 6 to 8-in.	1 50	12 00

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5 to 7-in.	$2 00
7 to 9-in.	3 00
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First sized mixture	$1.00	$7.
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Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges. We shall be pleased to furnish estimates and offer practical suggestions to those intending planting either large or small ponds.

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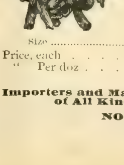

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Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 5
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NOVELTIES CONSTANTLY ON HAND.

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Mammoth Bulbs

4-6 inches and over........85c. per 100; $7.50 per 1000
3-4 " " " ....50c. per 100; $3.50 per 1000

Prize GLADIOLUS Selected Bulbs

JOHNSON & STOKES' FLORACROFT MIXTURE

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Per doz., 20c.; per 100, $1.00; per 1000, $8.00

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Also **The Sacred Lotus** and its varieties. Send for wholesale price list.

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Unique Offer

AS LONG AS STOCK HOLDS OUT

We have a large fine stock of

TRUE DUTCH LILIUM LONGIFLORUM,

which we offer to our Holland bulb customers at very low prices. No disease; solid flowers; packed with Buckwheat chaff. Early Fall delivery.

To our plant customers we reserve 15 Azaleas, **Mme. v. d. Cruyssen** and **Simon Mardner** (up to 16 inches), out of every hundred ordered. Thousands of plants on hand, **Remember** as long as stock holds out.

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Sprengeri Seed, per 1000, 80c., postpaid; 5000 and over, 60c. per 1000.

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4 to 6 inches.	Per 1000
Armstrong, everblooming.....	$25.00
Dwarf Double Pearl........	8.00

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Write for our Florists' Catalogue.

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AMERICAN BRANCHING.

Choice Selected Strain.

WHITE, LAVENDER,
SHELL PINK, PURPLE,
CRIMSON, MIXED.

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Prices: 100 LBS. @ 8¢ 200 LBS. @ 7½¢ 500 LBS. @ 7¢

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	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed...	$0 40	$3 00
Cobæa Scandens..........	30	2 50
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Heliotrope, choice mixed..........	40	4 75
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Geranium, large fl., splendid mixed	2 00	
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Geranium, Apple-scented..........		$0 75
Petunia, fringed, hybrida, choice mixed..........		25
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Phormium Tenax, var..........		1 00
Coleus, choice mixed..........		20
Cyperus alternifolius, $1.00 per oz.		

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ASPARAGUS PLUMOSUS NANA SEED

	100	1000
Greenhouse Grown Fresh Crop, to close out, reduced..........	$0 75	$6 00
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BULBS.

	12	100	1000
Clearance of Fresh **TUBEROSES,** extra fine hand-picked, 1000 to bbl., 4x6 inch and up		$0 85	$7 00
" " " " " " 3x4 "		40	3 00
GLADIOLI American Hybrid: 60 per cent. white and light..........	$0.20	1.00	9.00
Very Fine Mixture..........	.15	1.00	7.00
MAY, white and rose, finest early forcer..........	.30	1.50	12.00
All white and light..........	.25	1.50	12.00
Rose and pink..........	.20	1.25	10.00
GROFF'S Finest Hybrids..........	.50	2.50	22.00
Cycas revoluta stems, 1-20 lb. stems..........8 cts. per lb.; 100 lbs..			7 50

Quotations now on all French, Dutch forcing bulbs. Lilium Harrisii and Longiflorum, Azaleas. Send for estimate blank. Can save you 10 per cent. on EARLY orders.

H. H. BERGER & CO., 47 Barclay Street, NEW YORK.

Mention the Florists' Exchange when writing.

SURPLUS

STANDARD ROSES in variety, at 30 cents each.
1000 APPLE TREES in variety.
PEAR TREES in variety.
100,000 SHRUBS, dormant condition
ORNAMENTAL TREES in large quantities.
AMPELOPSIS VEITCHII, No. 2, X and XX.
BOXWOOD in all sizes.
DWARF BOX in quantity.
100,000 ROSES in 2 inch pots, for planting out.

ELIZABETH NURSERY CO., - ELIZABETH, N. J.

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Cut Prices on BULBS

Good sound Stock for immediate planting, of the following sorts, at low figures.

CANNAS, Extra strong roots, 2-3 Eyes

Allemania
Alphonse Bouvier
Alsace
Chas. Henderson
Flamingo
Florence Vaughan
Italia
Mme. Crozy
Queen Charlotte
Shenandoah

$2.00 per 100; $18.00 per 1000. Mixed, $1.75 per 100; $15.00 per 1000.

CALADIUM ESCULENTUM

	100	1000
5-7..........	$2.50	$20.00
7-9..........	5.00	45.00
9-11..........	6.00	55.00

MADEIRA VINES (Strong)

15c. per doz.; $1.50 per 100.

GLOXINIAS (extra large size)

Mixed, 40c. doz.; $3.50 per 100.

GLADIOLAS

	100	1000
White and Light,..........	$1.80	$16.00
Pink Shades..........	1.50	12.00
Scarlet and Crimson..........	1.25	10.00
Extra Fine Mixed..........	1.00	8.00

DAHLIAS (Clumps)

	Doz.	100
Named varieties for Florists' cutting	$1.00	$7.00
Mixed colors..........	.75	5.50

CYCAS STEMS (A New Importation)

25 lbs. for $2.50: 50 lbs. for $4.50; per 100 lbs., $8.00.

JAPAN LILIES

Lilium Auratum

	Doz.	100	1000
8-9..........	$0.85	$6.00	$50.00
9-11..........	1.15	8.00	70.00

Rubrum

	Doz.	100	1000
8-9..........	$0.85	$6.00	$55.00
9-11..........	1.00	7.50	70.00

Lilium Album

	Doz.	100	1000
8-9..........	$0.85	$6.00	$50.00
9-11..........	1.00	7.50	65.00

Melpomene

	Doz.	100	1000
8-9..........	$0.85	$6.00	$55.00

TUBEROSES

Extra large **Double Pearl,** $1.00 per 100; $8.00 per 1000.

Send for New complete List of Seeds, Plants and Bulbs.

HENRY F. MICHELL, Seed Growers and Importers **1018 Market St., Phila.**

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP
SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

Western Sugar Corn Seed.

Editor Florists' Exchange:

Noting the remarks in your paper by Frank T. Emerson, Waterloo, Neb., regarding sugar corn seed, we wish to give some of our Eastern seedsmen a little sample of our experience with their famous "Eastern grown sweet corn."

A few seasons ago we endeavored to obtain some very fine "Eastern stock" of Stowell's Evergreen sweet corn for seed purposes, and wrote one of these gentlemen who handled only "Eastern grown" corn. The sample came and was satisfactory, and we ordered five or six bags to be sent to our grower for seed, as we were sure we were getting Eastern grown seed, and something that would excel anything that could be grown in the West. Imagine our surprise when changing the bags to find, out of the six bags, two labels which read: "Two Bushels Stowell's Evergreen Sweet Corn, from Chauncey P. Coy & Son, Waterloo, Neb."

Since then we have not had the exalted opinion of the famous Eastern grown seed corn that we formerly had. And this party no doubt would be just as ready as some others to say that the Western grown seed corn was only fit for pig feed.

We Western seedsmen are not on to a good many things that our Eastern brethren are familiar with, but, after we pay the freight, we become like the Dutchman that learned "somedings."

W. W. HARNDEN.

Kansas City, Mo.

European Notes.

We are still waiting for that burst of fine, dry weather which it is hoped will put some fresh life into the trade, especially in agricultural seeds, which, on account of the impossibility of working the land with the quantity of rain that is falling, move very slowly.

Careful examination of crops in the seed-growing districts of England reveals that all varieties of cabbages, turnips, Swedes, etc., will be irregular as to earliness in blooming, very many fields having already part of their number blossoming, while the remainder are either a week later, or even not yet giving signs of flowering at all.

Cabbages, both early and late, are particularly irregular. A good deal of this is due to the fact that many growers were unable to get their plants set out early enough in the Autumn, having been retarded by the unusually late harvest last year. Those planted earlier have, on the whole, run well; but those planted later, both early and late varieties, do not as yet give very satisfactory promise, only a few here and there having run up to the present time.

Turnips and Swedes have stood generally very well and are making bold efforts to break into bloom. In one district, however, a white maggot has made a serious attack on the roots, bred doubtless by the prevailing humidity of the weather, and has in some cases so seriously damaged the crop that the farmers have had to plough them up. It is thought that a week or so of fine, dry weather will be the only possible remedy for this disease.

Onion crops give excellent promise, having been set out during a spell of propitious weather, and should be able to hold their own against all contingencies.

The beet crops in France are planting rather badly, a rather large quantity rotting away. There was, however, a plentiful supply of plants, and at present only a small loss need be feared.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

ST. FIACRE NURSERIES, Meirelbeke, near Ghent.—Trade List of Azaleas, Palms, Rhododendrons, etc. American representative, P. J. Van Heiningen, 136 Water street.

BUXUS Bushes, 12 to 18 ins	$0 25
18 to 24 ins	50
2 ft	75
3 ft	1 00
PYRAMIDS, 3 ft., slender	75
3 ft., fine	1 25
4 ft., fine	3 50

DWARF BOX, for Edging:	
2 to 4 ins	$2.50 per 100
4 to 5 ins	3.50 "
Small, for transplanting	1.50 "
AMERICAN ARBOR VITÆ	
3 ft., fine	10.00 "

Shrubs in full assortment, including **PRIVET.** Prompt Shipment.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES **SPRINGFIELD, NEW JERSEY.**

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

World's Fair, St. Louis, 1904.

Pomology.

Under the classification of pomology (appliances, methods, and products) there will be installed in the Horticulture Palace of the Universal Exposition of St. Louis, 1904, displays as follows:

Pomaceous and stone fruits: Apples, pears, quinces; cherries, plums, peaches, apricots, nectarines, etc.

Citrus fruits: Oranges, lemons, limes, shaddocks, pomelos, etc.

Tropical and sub-tropical fruits: Pineapples, bananas, guaves, mangos, tamarinds, figs, olives, sapodillas, etc.

Small fruits: Strawberries, raspberries, blackberries, dewberries, gooseberries, currants, etc.

Nuts: Almonds, chestnuts, filberts, hickory nuts, walnuts, etc.

Casts and models of fruits in wax, plaster, etc.

Appliances and Methods of Pomology.

Tools for nurserymen: Spades, picks, hoes. Tools for pruning, grafting, gathering, packing, and transporting products; pruning and grafting knives, ladders, watering apparatus.

Arboriculture.

Fruit trees and methods of propagating, planting, growing, training, pruning, etc.

There will be no charge for space occupied by exhibits, and a limited amount of power for the operation of mechanical devices to illustrate processes of special interest will be furnished to exhibitors without cost.

For the annual meeting of the American Association of Nurserymen, to be held in Detroit, Mich., June 10-12, a railroad rate of fare and one-third, on the certificate plan, has been authorized.

PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK.

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NEW CROP

Asparagus Plumosus Nanus Seed

NOW READY.

SAMUEL S. PENNOCK

1612-14-16-18 Ludlow St., PHILADELPHIA

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20,000 DAHLIAS

Strong whole field grown roots, in 50 best sorts, $4.00 per 100; $36.00 per 1000; send for list. Mixed whole roots, in separate colors, white, pink, red and yellow, $3.50 per 100; $30.00 per 1000, fine mixed, all colors. These mixtures contain fine named varieties, all double, show, cactus and pompon, $3.00 per 100; $25.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON,

Purcellville, Va.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

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W. W. RAWSON & CO. Arlington Tested SEEDS BOSTON MASS.

RAWSON'S Arlington Tested Seeds

FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

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BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

OAK PARK NURSERIES

Few Thousand Privet, 18-24 in., $20.00 per 1000; 500 **Carolina Poplars**, 12-14 ft., 12c.; 1000 **Arbor Vitæ**, 6-7 ft., very fine; 500 **Norway Spruce**, 4-6 ft., fine; 500 **Norway Spruce**, 3-4 ft., fine; 500 **Norway Spruce**, 2-3 ft., fine. Address

M. F. TIGER, - Patchogue, L. I., N. Y.

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY

Geneva, N. Y.

WHOLESALE GROWERS OF

Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.

Send for our Wholesale Price List.

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CALIFORNIA PRIVET

View of one of our blocks of California Privet, 1-year-old, 1-2½ ft., $15.00 to $25.00 per 1000

The Glenwood Nurseries

offer the finest **TREES**, both

EVERGREEN and DECIDUOUS,
FLOWERING SHRUBS and VINES

of all sizes in general assortment.

New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

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TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY White Plume and Golden Self Blanching. $1.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. Cash With Order

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.

Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.

Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35 00, $50.00 and $75.00 per 100.

Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100; $12.00 per 1000.

Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.

Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.

Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

FINE GRAFTED **ORANGES** BEARING SIZES

12 in., Bushy, from 4-in. pots	$20 00 per 100
15-18 in., " " "	30.00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots	$20.00 per 100

LEMONS.

12-15 in., Bushy, from 4-in. pots	$20.00 per 100
18-24 in., " " "	30.00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each.

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in. pots.......$8.00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in	$20.00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch. lvs, 3-in. pots	$18.00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots	$15.00 per 100

(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts	$15.00 per 1000

(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

P. J. BERCKMANS CO., Inc.,

Fruitland Nurseries, Augusta Ga.

(Established in 1856.)

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President.
D. S. Lake, Shenandoah, Ia., Vice-President.
George C. Seager, Rochester, N. Y., Secretary.
C. L. Yates, Rochester, N. Y., Treasurer.

Timely Reminders.

This is the time to prune back closely Hydrangea paniculata grandiflora. The closer it is cut the stronger the shoots and heads of flowers.

Wherever the mercury does not indicate more cold than an occasional drop to zero, the Aucuba japonica will thrive if in the shade. The male and female flowers are on separate plants. To have the female ones bear berries the plants must be fertilized by the male ones. When a plant is well berried it finds ready sale by florists in the holiday season.

Buddleia globosa, seen and admired by so many in the south of England, will not stand our climate, but is an excellent tub plant. Several other buddleias are hardy.

It is noticed that seeds are being offered of Berberis Fremonti by some seedsmen. This is a grand new one, having foliage almost blue. It comes from Arizona, Utah and neighboring States.

So many English hollies are being imported for Christmas uses that many of them are finding their way to lawns for a permanency. This is all right for Philadelphia, as this holly is hardy there, but it might not do further north unless in well-protected places.

One of the handsomest of early flowering herbaceous plants is Saxifraga crassifolia. The large, fleshy leaves are evergreen, and as soon as Winter is over its heads of pink flowers appear and make an attractive display. It is a very good thing.

Magnolia Lennei seems much overlooked, considering its merits. Its large, cup-shaped, rose-colored flowers are quite distinct from those of any other sort. It is a robust grower, and one of the hardiest of the Chinese section of this genus. And it blooms a little later than M. Soulangeana, which almost insures the flowers from late frosts.

An Extraordinary Freeze.

On Sunday morning, April 5, the thermometers in this vicinity recorded 7 degrees of frost, the reading being 25 degrees. A most puzzling matter to many is the small damage done. Many magnolias, especially M. conspicua, were fully expanded, and such flowers were killed. But buds not fully perfected were not. Pear, cherry, numerous trees and shrubs were almost in leaf, yet were not hurt. Peaches in flower were not injured. Weeping willows had been in leaf for two weeks previous, yet were unharmed. To me, the strangest sight of all is to notice that bushes of forsythias in full expansion of flower on the night of the freezing are entirely uninjured. Of the many shrubs observed, Deutzia gracilis is the only one hurt, and it is not badly damaged. It froze again two degrees on Sunday night. On many occasions I have seen forsythia flowers ruined with but a degree or two of frost.

A Good Hardy Fern for Grouping.

One of the best of hardy ferns for forming a group is the ostrich fern, Struthiopteris germanica of the older school, and Onoclea germanica of the newer. It is one of the large growing ferns, and the fronds are arranged that they form a "bird's nest" appearance. Then the bearing of the two kinds of fronds, the sterile and the fertile, adds to its interest.

Why it is a good plant for grouping is because of its habit of increasing by underground stolons. A vigorous plant set out this year would give a half dozen in a year or two. New plants crop up at a distance of a foot or more from the parent. Then the new ones become parents in turn, and very soon there is a large clump of this fern where the one was set in the first place. Naturally, they are found wild in a low situation; but in cultivation they do not stand on demanding a similar place. It is just the fern where a "wild clump" is desired.

Purple-Leaved Sycamore Maple.

On many of the older estates in the country, the English sycamore maple is often met, making a grand shade tree. The purple-leaved variety is a desirable sort, and in growth follows the typical form closely. As with some other purple-leaved trees, the purple color is chiefly observed on the under side of the foliage. About the time the foliage is fairly developed in Spring is when the purple color is most pronounced. On large trees, where the underside of leaves can be viewed, this maple is much appreciated.

It may be said of both this and the green-leaved sorts that it could be safely recommended to customers to plant them. I have before mentioned that the bunches of seed hanging in trees all Winter is thought objectionable, but trees do not seed until of good size and then, the branches being well above ground, are somewhat out of sight. Personally, I think the objection a very slight one.

Cutting Down Shrubs for Layering.

To the nurseryman, layering is of much importance in the increasing of his stock. There are many shrubs and trees that root readily from layers, and others which appear to defy almost all other methods of propagation. Such shrubs as magnolias are raised from layers to better advantage than by any other method. This is a good time to prepare stock which it is intended to layer. As all branches are much easier layered when starting from near the ground, it is a good way to cut them down pretty close to the ground at the present time, to encourage a growth of young branches from that point. The gain is both in the securing of young shoots and having them close to the ground. Cut down now, before growth has started, there should be a strong showing of long, vigorous shoots for layering.

It is the practice in many establishments to cut down such shrubs in the Winter season, when the excised branches are utilized for cuttings, but the top would be of no use for that purpose this late in the season.

Layering should commence as soon as the shoots of this season are of length sufficient to permit of it. The earlier the work is done, the better rooted will the layers be by Autumn.

Planting Cuttings and Layers.

The layers of shrubs rooted last season, whether still on the original bushes or in heeled-in positions after having been cut off last Fall, as well as cuttings of shrubs made during the Winter, should be got into the ground at the very earliest opportunity. Early planting takes high rank as a promoter of success. Growth is then pretty well assured, and at the end of the season many of the cuttings, or layers, will be plants large enough to sell.

The cutting down or not of layers when planted depends for decision on what the plants are. As a rule, a cutting back is the best thing to do, assuring a bushy growth; but the Japanese snowball comes to mind as being better left as it is, without cutting it back.

When setting out the cuttings and layers, place them pretty close together in the rows, looking forward to transplanting them next Spring, after which there should be nice plants for selling. Some of the quick growing kinds make plants of a salable size the first year, and such sorts may be set further apart than the others, to aid their development.

Balls of Earth With Evergreens.

The practice of lifting balls of earth with evergreens is better appreciated every day. Time was when such a thing was almost unheard of. In the hurry of a nurseryman's shipping period it was deemed of too little importance to be practiced. In fact, to my own knowledge, a nurseryman doing an extensive business said that the ball of earth was entirely unnecessary, simply adding to the labor and cost of transplanting, with no compensating feature attached to it. Shaking off the soil made the handling of the tree more expeditious, was his idea, and he thought, with proper ramming of the soil, the tree was in just as good a position as it would have been had a ball been taken with it. A view like this is a strange one when it is an every-day experience of gardeners that a plant from a pot, with soil intact, will transplant with far more safety than another with no soil to it. Besides this, there is the transplanting of trees going on every Spring and Fall, giving to every observant person an opportunity to judge which is the better system. The tree with a ball of earth never fails; the one without it often does.

There is a class of evergreens which make but few roots and so carry a ball with difficulty. Pines are examples. With frequent pruning of the roots, such as transplantings result in, there are roots enough at length to carry some soil, but never with the ease retinosporas, Arbor vitæs and the many forms of cypress do.

Foreign nurserymen are much more alert to the importance of a ball of earth than are our own. Observe the stock often imported from abroad, and whether from England, France, Germany, Holland, or elsewhere, there will be found each one tied up in a bale, the roots carrying a ball of earth Fortunately, as ocean freight is by bulk and not by weight, the ball of soil adds but little to transportation charges.

Our own nurserymen would find a source of profit in following the example of saving a ball. Consider the loss of trade and discontent of customers following the dying of purchased stock. Put this against the trifling expense of bagging the roots, the living tree, the pleased customer, and the balance is greatly in favor of the ball of soil.

It is a pleasure to add that the practice of balling the root is growing with us, as an observation of stock arriving from various nurseries makes evident.

JOSEPH MEEHAN.

E. C. BROWN & CO.
Rochester, N.Y.
THE AUTO-SPRAY
best for all hand work. No continuous pumping. Compressed air runs it to spray ¼ acre of vines. Boy can carry and operate. All working and contact parts of brass. Long line of high grade sprayers for every purpose shown in Catalog P. It is FREE. Write at once if you want the agency.
E. C. BROWN & CO., ROCHESTER, N. Y.

CABBAGE and TOMATO PLANTS
Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.
Tomato L. Bentz, fine plants, $1.00 per 1000; 5000 for $4.00.
J. C. SCHMIDT, Bristol, Pa.

Holland Nursery Stock
ENDTZ, VAN NES & CO., BOSKOOP, HOLLAND.
Our Mr. Endtz will be in the United States until May 6. Address communications care of
MALTUS & WARE, 136 Water Street, N. Y.
ASK FOR OUR CATALOGUE.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.
JUST RECEIVED FROM OUR HOLLAND NURSERIES:
Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.
Pot-Grown Plants for Forcing.
Rhododendrons, H. P. Roses, Etc.
No Agents Catalogue free on demand. No Agents
Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
Continental Nurseries, Rochester, N. Y.
Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES
South Braintree, Mass.
ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.
Field-grown only. Send for Catalogue.
Mention the Florists' Exchange when writing.

Strawberries
Forty varieties, from $1.00 to $2.50 per 1000.
ASPARAGUS Strong one-year, 50c. per 100; $2.00 per 1000. Two-year, 75c. per 100; $3.00 per 1000. Varieties—Palmetto, Barr's and Giant Argentina.
Also other Small Fruits, Plants, etc.
Send for Price List.
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000
CHARLES LENKER, FREEPORT, L. I., N. Y.
Mention the Florists' Exchange when writing.

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10,000 Coreopsis clumps	$4 00
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THE cultivation of the Lotus or Water Lily, and other aquatic plants, is easily the most fascinating of all pursuits, and this is the only book ever published on the subject. The writer is the standard authority for America. Every detail is covered, all water plants described, and no other guide is needed.

The text describes all operations from the growing of plants in tubs to the large water garden, excavation of grounds, construction of ponds, adapting natural streams, planting, hybridizing, seed saving, propagation, the aquatic house, wintering, correct designing and planting of banks and margins, and all other necessary details. The work contains nine beautiful plates, eighteen full page descriptive views of leading water gardens and ponds, and numerous smaller pictures prepared with special reference to this book. Printed on heavy enameled paper. Elegantly bound. Large octavo, cloth. Price, $2.00, by mail, postpaid.

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The fact that we are rooting 90 per cent. shows quality of our stock.

Prosperity, $3.00 per 100; $25.00 per 1000. **Roosevelt**, $3.00 per 100; 25.00 per 1000. **Cressbrook**, $3.50 per 100, $30.00 per 1000. **Mrs. Bradt**, $4.00 per 100; $35.00 per 1000. **Mrs. Lawson**, $3.00 per 100; $30.00 per 1000. **Golden Beauty**, $4.00 per 100, $35.00 per 1000. **G. H. Crane**, $2.00 per 100; $15.00 per 1000. **Daybreak**, $1.00 per 100, $10.00 per 1000. **Gen. Gomez**, $1.50 per 100; $15.00 per 1000. **Gen. Maceo**, $1.50 per 100; $15.00 per 1000. **The Marquis**, $1.50 per 100; $12 50 per 1000. **White Cloud**, $1.50 per 100; $12.50 per 1000. **Flora Hill**, $1.50 per 100; $12.50 per 1000. **Queen Louise**, $3.00 per 100; $25.00 per 1000. **Genevieve Lord**, $1.50 per 100; $12.50 per 1000. **James Dean**, $1.50 per 100; $12.50 per 1000. **Mrs. Joost**, $1.50 per 100; $12.50 per 1000. **Eldorado**, $1.00 per 100; $8.00 per 1000. **Wm. Scott**, $1.00 per 100; $8.00 per 1000. **Norway**, $2.00 per 100; $15.00 per 1000. **Floriana**, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in. Pots

WHITE.	100
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
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Chadwick	3 00
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Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
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Black Hawk	3 50
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We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

ROSES **Bridesmaid and Bride**, 2¼ in. pots, $3.50 per 100; $30.00 per 1000.

American Beauty Stock, 2¼ in. pots, fine strong plants, $6.00 per 100; $55.00 per 1000.

ENGLISH IVY 4 inch pots. 24 inches high, $1.50 per doz.; $10.00 per 100.

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100,000 Unrooted Carnation Cuttings

	Per 100	Per 1000
Governor Wolcott, white	$2 00	$20 00
Alba, white	2 00	20 00
Golden Beauty, yellow	2 00	20 00
Stella, variegated	2 00	20 00
Apollo, scarlet	2 00	20 00
Norway, white	1 00	7 50
Governor Roosevelt, crimson	1 00	7 50
General Maceo, maroon	1 00	7 50
Dorothy, pink	1 00	7 50
Eldorado, yellow	80	5 00
Gold Nugget, yellow	1 00	7 50

Grown cool. Express paid at above figures. Cash

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LOOMIS, CAL.

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From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
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Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
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250 at 1000 rates.

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All from grafted stock. Extra fine.

	100		100
Bridesmaid, 2½ in. pots	$3.00;	3 in.,	$3.50
Bride, 2½ in. pots	3.00;	3 in.,	3.50
Ivory, 2½ in. pots	3.50;	3 in.,	4.50

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LAWSON Fine rooted cuttings, $2.00 per 100. Enchantress, Hallowarden, Marshall Field, Louise Faber, $10.00 per 100. Cash please.

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CARNATIONS

Rooted Cuttings

	100	1000
Mrs. Theodore Roosevelt	$12.00	$100.00
Alpine Glow	8.00	75.00
Harry Fenn	6.00	50.00
Viola Allen	6.00	50.00
Challenger	5.00	40.00
Gaiety	6.00	50.00
J H. Manley	6.00	50.00
Mrs. Lawson	3.00	25.00
Golden Beauty	6.00	50.00
Lorna	3.00	25.00
Prosperity	3.00	25.00
Floriana	3.00	25.00
Lillian Pond ......2 in. pots	10.00	
Her Majesty ......2 in. pots	10.00	
Marshall Field ......2 in. pots	12.00	
Gov. Lowndes ......2 in. pots	12.00	

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Rooted Cuttings for Sale.

	Per 100
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Genevieve Lord	2 00
Lorna	2 00
Floriana	2 00
Norway	2 00

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From 2½ in. pots . . . . $2 00 per 100
" 3 " " . . . . . 2 50 " "

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WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

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THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

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The finest White Carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was also recently awarded First Prize and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in April, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Enchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, President McKinley, White Bradt, Fragrance, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Adonis, $3.00 per doz.; $14.00 per 100; $120.00 per 1000.

Her Majesty, $2.00 per doz.; $10.00 per 100; $80.00 per 1000.

Lillian Pond, $2.00 per doz.; $10.00 per 100; $76.00 per 1000.

Innocence, $6.00 per 100: $50.00 per 1000.

Other Leading, New and Standard Varieties,

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CARNATIONS

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$2 00	$15 00	**Genevieve Lord**	$1 25	$10 00
The Marquis	2 00	15 00	**Nelson**	5 00	40 00
Dorothy	2 00	15 00	**Cressbrook**	4 00	35 00
Norway	1 50	12 50	**Triumph**	1 25	10 00
Guardian Angel	1 25	10 00	**Higinbotham**	5 00	40 00

RED.

Adonis	14 00	120 00	**Palmer**	4 00	30 00
Harlowarden	12 00	100 00	**Mrs. L. Ine**	1 25	10 00
Estelle	3 00	25 00	**Chicago (Red Bradt)**	2 50	20 00
G. H. Crane	2 50	20 00			

WHITE.

Flora Hill	1 50	12 50	**Hoosier Maid**	1 25	10 00
Queen Louise	2 50	20 00	**Murphy's White**	6 00	50 00
Peru	1 25	10 00			

VARIEGATED.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. G. M. Bradt	$2.50	$20.00	**Gaiety**	$3.00	$25.00
Prosperity	3.00	25.00			

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000		Per 100	Per 1000
Liberty	$8.00	$75.00	**Bride**	$4.00	$35.00
Pierre De Notting	8.00	75.00	**Golden Gate**	4.00	35.00
Kaiserin	4.00	35.00	**Perle**	4.00	35.00
Bridesmaid	4.00	35.00	**Sunrise**	7.00	65.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants or cuttings of any variety. No plants or cuttings sent by mail.

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51 Wabash Ave., CHICAGO, ILL.

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Chicago Carnation Co.

JOLIET, ILL.

Rooted Cuttings Ready to Ship

RED.

	Per 100	Per 1000
Estelle	$4.00	
Mrs. Potter Palmer	5.00	$40.00
J. H. Manley	5.00	40.00
Harlewarden	12.00	100.00

PINK.

Lawson	2 00	15.00
Cressbrook	5.00	40.00
Mrs. E. A. Nelson	5.00	45.00
Mrs. Higinbotham	5.00	40.00
Sibyl	12.00	100.00
Pres. McKinley	12.00	100.00

WHITE.

	Per 100	Per 1000
Her Majesty	$10.00	$80.00
Murphy's White	6.00	50.00
Gov. Walcott	5.00	45.00
Lillian Pond	10.00	75.00
Gov. Lowndes	12.00	100.00

VARIEGATED.

Marshall Field	$12.00	$100.00
Gaiety	5.00	40.00
Stella	5.00	
Viola Allen	5.00	

We shall have a fine lot of AMERICAN BEAUTIES from 3 in. pots, May 1st, at $7.00 per 100; $65.00 per 1000.

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ROOTED CUTTINGS.

laud (large lot)	per 100,	$1 50
ane, Acteon, La Pilot	"	1 50
s, Bonnot, Castris	"	1 50
ine, Jaulin	"	1 50
er, La Favorite	"	1 25
nthe, Landry	"	1 25

RT M. HERR, Lancaster, Pa.

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SING GLORY.............$12.50 per 1000

N LOUISE.................$15.00 per 1000

Will have others April 27 to May 11.

Watch my Advt.

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ARNATIONS

ROOTED CUTTINGS

White.	Per 100	Per 1000	Pink.	Per 100	Per 1000
t	$5.00	$45.00	Cressbrook	$4.00	$35.00
y	2.00	17.50	Lawson	2.00	17.50
Cloud	1.50	12.00	Morning Glory	2.00	17.50
Red.					
	6.00	50.00	The Marquis	1.50	12.00
	4.00	35.00	Triumph	1.00	8.00
Crane.	2.00	17.50			
Variegated.					
	4.00	35.00	Stella	5.00	45.00
Prosperity	$3.00	$25.00			

SANTHEMUMS Rooted Cuttings. 2½ in. pots $1.00 extra per 100. It l to have the right varieties at the right time r, for that is where you make your money. ock is healthy, and now is the time to order. llowing list is given as to successive bloom- each color.

White.	Per 100	Yellow.	Per 100
	$6 00	Golden Wedding	$4 00
brook	2 00	Yellow J. Jones	2 00
Rose	2 00	Goldmine	4 00
son	1 50	Golden Beauty	4 00
ower	1 50	Pink	
	1 50	Lady Harriett	4 00
Champsaur.	1 50	Glory of Pacific	1 50
ss Bassaraba	3 00	Helen Bloodgood	3 00
on	2 00	Dalskov	2 00
e Jones	2 00	Autumn Glory	2 00
Yellow.		Mrs. Perrin	3 00
via	2 00	Mary Hill	4 00
	2 00	Murdock	2 00
ay	2 00	Calvat, light rose	6 00
ton	1 50	Red.	
	1 50	Malcolm Lamond, red	5 00
ffon	1 50		

iger and Yellow Eaton, 50c. ea.; $5.00 per doz.

STON FERNS, 2½ in., $6.00 per 100; 3 in., per 100; 4 in., 15c.; 7 in., $1.00; 8 in., $1.25 each.

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ROSE GERANIUMS, strong 3s, $4.00 per 100.

HELIOTROPES. Very strong, 3 in., well branched, in bud, $3.50 per 100.

AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2.00 per 100, 3 in., $3.50 per 100.

LOBELIA. Emperor William, best dwarf dark blue, very strong, 2 in., $2.00 per 100.

VERBENAS. Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2.00 per 100.

PETUNIA. Giant singles, 2 inch, $2.00 per 100.

PHLOX. New dwarf, fancy colors, grand for pot sales. Strong, 2 inch, $2.00 per 100.

GIANT PANSIES, GIANT DAISIES and Ever blooming **FORGET-ME-NOT** Constance, all transplanted, cold frame grown, $1.50 per 100.

HARDY ENGLISH PRIMROSE, mixed, cold frame grown, $2.00 per 100.

CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

5000 Fine Rose Plants

BRIDE and BRIDESMAID

in 3½ and 4 in. pots

—AT—

$4.00 and $5.00 per 100.

CASH WITH ORDER.

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Fine young roses, from 2½ in. pots. Two-year-old roses, $9.00 per 100; 2-year-old H. P., $12.00 per 100.

CHRYSANTHEMUMS.

2 in. pots, $2.50 per 100.

CARNATIONS—Plants.

2 in. pots, $3.00 per 100. Following varieties: Ethel Crocker, The Marquis, Flora Hill, Wm. Scott, Daybreak, America, Mrs. F. Joost, G. H. Crane. Armazindy

CANNAS.

3 in. pots. $4.00 per 100; 4 in. pots, $6.00 per 100. Following varieties: Queen Charlotte, Austria, Charles Henderson, Florence Vaughan, Italia, Mme. Crozy, Alphonse Bouvier, Burbank and Allemania.

PALMS.

Phœnix Reclinata, 8 in. pots, $12.00 per doz.

Kentia Forsteriana, 5 in., $7.00 per doz.

Kentia Belmoreana, 5 in., $7.00 per doz.; 4 in., $4.00 per doz.

Asparagus Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $15.00 per 100.

Asparagus Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00.

Hollyhocks, double and single, dark and light colors, $3.00 per 100.

Vincas, 2 in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00; 4 in., $6.00.

NATIONAL PLANT CO., DAYTON, OHIO

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Two-Year-Old Roses

From 4 in. pots, extra strong, 100 sorts.

Teas and Climbers	$8.00 per 100.
Hybrid Perpetuals	10.00 "

Violets, 2½ in., Lady Hume Campbell, Swanley White, California, Luxonne and Prince of Wales, $3.00 per 100; $25.00 per 1000.

Hydrangeas, Thos. Hogg and Monstrosa, 2½ in., $4.00 per 100; $35.00 per 1000.

Clematis Paniculata, 3 years old, strong, field-grown, $10.00 per 100.

Double Geraniums, 2½ in., $3.00 per 100; $25.00 per 1000.

Lemon, American Wonder or Ponderosa, $4.00 per 100; $35.00 per 1000.

Asparagus Sprengeri, 2½ in., $2.50 per 100; 4 in., $7.00 per 100.

Asparagus Plumosus, 4 in., $8.00 per 100.

Honeysuckle, Chinese Evergreen, Halleana and Golden Leaved, $2.50 per 100.

Plumbago, white, $3.50 per 100.

Cyperus Alternifolius, $2.50 per 100; $20.00 per 1000.

Vinca Major Variegata, $2.50 per 100; 4 in., $8.00 per 100.

Achillea, The Pearl, $3.00 per 100; $25.00 per 1000.

THE SPRINGFIELD FLORAL CO.

Reorganization of JNO. A. DOYLE & CO.

SPRINGFIELD, OHIO.

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THE AMERICAN CARNATION.

Now on press. Write for particulars.

Price, $3.50.

THE FLORISTS' EXCHNGE, 2 Duane St., N. Y.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

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ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100, $30.00 per 1000. **Golden Gate**, 2 in. pots, $3.00 per 100. **Ivory**, $4.00 per 100. **Helen Gould**, $6.00 per 100. **Mrs. Oliver Ames. Bridesmaid**, $3.00 per 100.

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.

Telephone 45L.

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ROSES

DORMANT FIELD-GROWN,

H. P., Mosses, Crimson Rambler,

A large stock in cold storage for delivery during March and April. Address

W. F. HEIKES, Manager,

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Cor. Lewis and O'Fallon Sts. **ST. LOUIS, Mo.**

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ROSES

AMERICAN BEAUTY, own roots, $8.00 per 100; $75.00 per 1000.

BRIDE AND BRIDESMAID, own roots, $5.00 per 100; $45.00 per 1000.

Strong, healthy plants, ready to ship.

A. N. PIERSON

CROMWELL, CONN.

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ROOTED CUTTINGS

2½ inch. Speak quick if you want them for cash, as they are in condition for a shift.

American Beauty, $5.00

Bride and Bridesmaid, $3.00.

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AMERICAN BEAUTY

No more Rooted Cuttings, no more 2 inch plants. Extra fine plants of 2½ inch stock at $50.00 per 1000. New York bank draft or certified check only received in payment.

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NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.

Wm. K. Harris, pale flesh color.

Wm. F. Dreer, creamy-white, pink edging.

Prof. C. S. Sargent, rich yellow and buff.

Robert Craig, yellow, shaded with apricot.

John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries.

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NEW WHITE CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, 75c. each;

$7.50 per Dozen; $50.00 per 100.

GREAT REDUCTION

On the best list of Cannas ever offered; **50 Varieties**, all different shades; **strong healthy roots. Our Cannas never kept so well. Prices** have been lowered **25 per cent.** to reduce surplus. **This offer good for a short time only. No order accepted** for less than 100 roots, or 10 of a kind, at these prices.

PINK SHADES.

		Per 100
Louise		$6.00
Betsy Ross		6.00
Luray		2.25
Martha Washington		3.00
Improved Duchess of Marlborough		2.25
Shenandoah, bronze leaf		2.25
Eastern Beauty, bronze leaf		6.00
Mlle. Berat		2.25
Pink Ehmanii		2.00

RED SHADES.

Brandywine, bronze leaf, extra fine for bedding, foliage almost as dark as Black Beauty, spikes and flowers large, color intense red		6.00
Cherokee, new		4.50
Black Prince		3.00
Blazing Torch		2.25
Olympia	$18.00 per 1000;	2.25
Philadelphia	18.00 "	2.25
Duke of Marlborough	18.00 "	2.25
Pillar of Fire		3.50
Pennsylvania, orchid-flowering,	$67.50 per 1000	7.50
Chas. Henderson		2.00
Partenope, orchid-flowering		4.00
Columbia		2.25
Chicago		2.25
Baltimore		3.00

YELLOW SHADES.

		Per 100
Buttercup, best yellow		$6.00
Queen of Holland		4.50
Evolution		6.00
California		3.00
Coronet		3.00
Primrose		2.00
Duchess of York		3.00
Florence Vaughan	$18.00 per 1000;	2.25
Comte de Bouchard		3.00
Austria	$15.00 per 1000;	2.00
Burbank		2.00
James Wood, orange		4.00
L. E. Bailey		2.50
Eldorado		3.50

VARIEGATED SHADES.

Duke of York, a new Canna with very large flowers and most striking appearance		7.50
Niagara		6.00
Augusta		3.00
Gloriosa		6.00
Mme. Crozy	$18.00 per 1000;	2.25
Queen Charlotte	18.00 "	2.25
Allemania	18.00 "	2.25
Italia	18.00 "	2.25
Alsace, creamy white	18.00 "	2.25

EXTRA MIXED CANNAS, great variety in color, $1.00 per 100; $8.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

A SPLENDID LOT

	100
Of **DOUBLE** and **SINGLE PETUNIAS,** in 3 in. pots, in bud. Will make fine plants for early selling	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high; 3 in	5 00
COBÆA SCANDENS, 2½ in	2 50
PETUNIAS, Ruffled Giants, 2 in	2 50
SHASTA DAISY, 2 in.	3 00
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 00
VERBENAS, Michell's Giant, 2 in	1 50
SALVIA, Clara Bedman, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
Coleus, in variety, rooted cuttings	$0 60	$5 00
" " 2½ in. pots	2 00	18 00
Heliotrope, all dark, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Fuchsias, in variety, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Sweet Alyssum, rooted cuttings	75	
Ageratum, in variety, rooted cuttings	60	5 00
" " 2¼ in. pots	1 25	10 00
Happy Thought, 2¼ in. pots	3 00	
" " 3 in. pots	4 00	

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

PLANTS and ROOTED CUTTINGS

	100
Petunias, Dreer's strain, 2½ in. pots	$2.00
Geraniums, 2½ in. pots, La Favorite, Mme. Thibaut, all double, Bruant, semi-double	2.00
Other good varieties, red, pink and light, fine collection, same size and price.	
Heliotrope, Queen of Violets and Chieftain, 2½ in. pots	2.00
Fuchsias, Elm City and Storm King, 2½ in	2 50
Ageratum, dwarf blue, 2½ in. pots	2.00
Heliotrope, 3 varieties	1.00
Cuphea, Cigar Plant	.50
Verbenas from Henderson's Mammoth Seed, $4.50 per 1,000. **Cash with order.**	.50

WM. J. CHINNICK Trenton N. J.

Mention the Florists' Exchange when writing.

GENISTA.

2½ in, per doz. 75 cts.; per 100, **$5.00.**

	Per doz.	Per 100
Abutilon Savitzii, 2½ in	$0.75	$5.00
Pansy Pelargonium, 2½ in	.75	5.00
Allamanda Williamsii, 2½ in	.75	5.00
Clerodendron Fragrans, 2½ in	.75	5 00
Kentia Belmoreana, 2½ in	1.00	8.00
Araucaria Excelsa, 3 to 4 tiers	6.50	
Asparagus Sprengerii, 2½ in		4 00
Carex Japonica, 2½ in	.80	6.00

The Conard & Jones Co.,

WEST GROVE, PA.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties

Rooted Cuttings, 60c. per 100, $5 00 per 1000; **$45.00 per 10,000.**

Plants, $2.50 per 100; $20.00 per 1000.

COLEUS, Verschaffeltii and Golden Bedder, 75 cts. per 100; $6.00 per 1000

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100. **IVORY, LIBERTY.** $18.00 per 100.

Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.

Strictly Our Selection, 1000 and over, $17.50 a 1000

Dryden, $2.50 per 100.

SCENTED GERANIUMS

Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

Variegated and Fancy, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

DAHLIA ROOTS, large field clumps. Our selection, **$4.00 per 100.**

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B Smith, Col D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford Mme F Bergmann, Mrs. R McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs S T. Murdock, Mrs H Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in	2 00
Second size, 4 to 6 in	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each, $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

VERBENAS

Mammoth fancy, strong plants, replanted in soil, equal to 2 in. pot plants, 80c. per 100; $7.50 per 1000.

Double Fringed Petunias, fine assortment, equal to any, strong plants, 2 in., $2.00 per 100.

Geraniums, Heliotrope, Double Sweet Alyssum, Chrysanthemums, etc., from 2 in. pots, $2.00 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

VIOLETS

Now is a good time to get them out, and why not grow the best? La France leads them all; will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: **La France,** $1.00 per 100; $8 00 per 1000. **California, Princess of Wales** and **L. H. Campbell,** 75c. per 100; $5.00 per 1000. Add 15c. per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa. Cash with order, please.

P. M. DE WITT, Bridgewater, Bucks Co. Pa.

DOUBLE VIOLETS

50,000 superb plants from soil, of the **New Imperial Violet,** dark blue, and the largest grown. Very prolific; $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

Address the originator.

W. L. MINOR, BROCKTON, MASS.

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premier, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. From 2¼ in. pots.
Bride, Bridesmaid, Golden Gate, $12.00 per 100.
Liberty, $15.00 per 100.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R. McArthur, M. Wanamaker, Mrs. T L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand-Morel, Xeno, $2.00 per 100; $17.00 per 1000. Cullingfordi, H. W. Reiman, Ivory, J. H. Woodford, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Bergman, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100; $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 4 in. pots	$12 00	
Asparagus Sprengeri, from 3 in. pots, strong.	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts.	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000 Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CYCLAMEN Best strain transplante

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE,

Mention the Florists' Exchange when

Princess of Wales Voilets

We have still plants left
per 100; $15.00 per 1000. Dorsett and Cal
$1.50 per 100; $10.00 per 1000. Cash.

Waverley Greenhouses, Tuckahoe,

Mention the Florists' Exchange when

50,000 FARQUHAR VI CL

The best in the country. Strong, healthy
from 8 to 10 inches, ready now, $5.00 p
CASH.

C. PONNET & CO., Alexandri

Mention the Florists' Exchange when

ENGLISH IVY.

From 4 t
high, fine,
plants in
pots, per 100, $12.00; per 1000, $110.00. PA
in full bloom for Easter, per 1000, $30.00.
Seed, genuine Mme. Perret, per trade pkt. 5
oz. $5.00.

P. WENK, Clinton Ave.,
Ozone Park, L. I., N

Mention the Florists' Exchange when

IVY! IV

4-5 ft. high, bushy, pot grown, 4½ in.
1½-2 ft. high, from 2 in. pots, for hangin baskets
January cuttings, well established, from 2 in pots
Vinca variegata, good for hanging ba kets, 2 in.
Lemon Verbena, from 2 in. pots
Salvia Pfitzeriana, drooping spikes, from 2 in. pots
Salvia Splendens, **Ageratum,** dwarf blu 2 in. pots.
Alyssum, Giant Double; **Lobelia,** dwar from 2 in. pots
Coleus, Golden Bedder and six other be varieties, from 2 in. pots
Funkia Variegata, strong clumps.
Pansies, strong plants, fine strain, $2.50 pe 100; $20.00 per 1000.

RECK & SON, Bridgeport, (

Mention the Florists' Exchange when

NOTICE

Cyclamen Persicum S dens Giganteum. Finest st the world, in 4 true colors, transp from flats, $3.00 per 100; $25.00 pe

Begonia Rex, in 12 sta varieties, from 2½ in. pots, $4.00 p $35.00 per 1000.

Cannas (Dormant Tubers), 2-
Chas. Henderson, Chicago, Flo
Vaughan, Queen Charlotte, Al
Bouvier, Papa Canna, Pres. Mck
$2.00 per 100; $18.00 per 1000
selection, $15.00 per 1000. The
started from sandbed, $25.00 per

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg

Mention the Florists' Exchange when w

The Princess of Wales Vi

Violet growers cannot afford to to be wi
this grand and popular variety. Growers
vicinity of Boston know that this Violet is r
and surely becoming more popular and se
higher prices than any other variety,
double or single, growers in other se
have a great opportunity for taking u
growing this variety.

I have the largest and healthiest sto the country and am booking orders for strong young plants for April and delivery, at $2.00 per hundred; $1 per thousand. 500 at thousand rates.

WILLIAM SIM, Cliftondale, Ma

Mention the Florists' Exchange when wr

COLEU

Rooted Cuttings except where noted.	100
20 varieties	$0.60
C. Verschaffeltii and G. Bedder	.60
Heliotropes, dark	1.00
Salvias, Silverspot, Bedman, Splendens	1.00
Fuchsias, 2 in. pots	2.00
Giant Double Alyssum, 2 in. pots	1.50
Ageratum, Pauline, Gurney, Cope's Pet	.60
Ivy Geraniums, 2 in. pots	2.00
Vinca Variegated, 4 in. pots	$6.00 to 8.00
Pansy Plants, bud and bloom	1.00
" small plants	.50
Alternanthera, A. Nana, P. Major	.60
Ageratums, 2 in. pots, Gurney, P. P., C. P.	1.50
Double Petunias, 2 in. pots	2.00
Heliotropes, dark, 2 in. pots	2.00

Cash with Order.

ERNEST HARRIS, Delanson, N

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writ

AUSTRALIAN CHRYSANTHEMUMS

These are the Varieties which will Figure as Prize Winners in the Exhibitions Next Fall.

MISS IDA BARWOOD	Grand white, both exhibition and commercial, $1.00.
MRS. HARRY EMMERTON	Magnificent exhibition yellow, 50 cts.
LADY HOPETOUN	Grand exhibition pink, 50 cts.
C. J. SALTER	Immense yellow, exhibition or commercial, 50 cts.
ROBT. LAIRD	Improved Nellie Pockett, 50 cts.
SILVER QUEEN	Sensational exhibition pink, 50 cts.
MISS DAISY MOORE	Beautiful pink, exhibition and commercial, 50 cts.
PERCY PLUMRIDGE	The perfected yellow Carnot, $1.00 (not a sport.)
HERO OF MAFEKING	Mme. Carnot seedling, full and fine, white, $1.00.
SOUVENIR DE MRS. DURBIN	Finer than Golden Wedding, 50 cts.
W. R. CHURCH	Grandest crimson of the year, 50 cts.
COL. ROWELL	The coming commercial yellow, $1.00.

One set of the above, 12 varieties, for $6.00, and with every set we will enclose one Mrs. T. W. Pockett—magnificent 3 inch plants, ready NOW.

THE E. G. HILL CO. Richmond, INDIANA.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., Standard, 2½ in. pots	$3.00
10 var., Standard, 3½ in. pots	4.00
Asparagus Sprengeri, 2 in. pots	2.00
500 Asparagus Plumosus, 2 in. pots	3.00
Centaurea Gymnocarpa	2.00
Smilax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Double Petunias, 2½ in. pots	3.00
Verbenas, 2 in. pots	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

Geraniums

ROOTED CUTTINGS.

S. A. Nutt, Double Gen. Grant, Ricard, Harrison, Landry, Castris, Montmart, Poitevine. $10.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

5000 Double General Grant, fine stocky plants, rooted last August, in 4 in. pots, in bud and bloom, $5.00 per 100. **SALVIA**, Silverspot, from bench, transplanted seedlings, $3.00 per 100. **AGERATUM**, Stella Gurney, 2½ in., strong, $3.00 per 100. Cash with order; if not satisfied your money cheerfully returned.

C. LAWRITZEN, Rhinebeck, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, Nutt, Buchner, Bruanti, J. P. Cleary, Dryden, Hill, Mt. of Snow $1.30 per 100. La Soleil, J. Viaud, $1.75 per 100.

COLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000. GIANT-LEAVED, 20 var., very showy, $1 00 per 100. HELIOTROPE, Sage, Ageratum, plants 75c. per 100. **CANNAS**, Red, white, yellow, etc., $1.00 per 100.

Alternanthera, P. Major, H. Nana, 75c. per 100. Grand red kinds, $1.00 per 100.

PANSY BARGAIN Transplanted heavy rooted, part in bloom, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

COLD GROWN ROOTED **CHRYSANTHEMUMS**

Soft and True to Name.

Willowbrook, R. Halliday, Kate Broomhead, Chadwick, Goldmine, $2.00 per 100.

Timothy Eaton, Appleton, Ivory, Mrs. Jones, Maud Dean, Yanoma, Shrimpton, and 20 more good kinds, $1.50 per 100.

Bonnaffon, $1.00 per 100; $9.00 per 1000.

1000 Cuttings, our selection, 10 to 20 kinds, for $10.00; 500 for $6.00 cash.

COOLIDGE BROS., So. Sudbury, Mass

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bonnaffon, Glory of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, W. King, Chadwick, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, $1.00 per 100.

Verbena Giant, 10 kinds, R. C. 50 cts. per 100; $4.50 per 1000. 2 in. in bud and bloom, 2 cts.

Petunias, double, 15 fine sorts, R. C., $1.00 per 100; strong, 2 in., in bud, $1 75 per 100.

Coleus, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60 cts. per 100.

Asparagus Plumosus, 2 in., 3 cts.

Ageratum, Gurney, P. Pauline and Best White, 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Alyssum, Double, 2 in., 2 cts.

Rex Begonia, R.C., $1 00 per 100, in var.

Umbrella Plants, nice short, 2 in., at $1 50 per 100.

Salvia, Bonfire, Splendens, 2 others. R. C., 75c. per 100.

Cuphea, (Cigar Plant), R. C., 40c. per 100.

Smilax Seedlings, 25c. per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

DON'T TRAIL BEHIND THE PROCESSION Get up in the front ranks by Growing

"ESTELLE" The Money Maker

Earliest Fancy White **CHRYSANTHEMUM**, produces blooms double the size of old varieties, Commands top price. First-class shipper. Makes an ideal pot plant. Offered cheaper than any other new varieties.

DON'T DELAY! MY LAST PROPAGATION.

Strong Rooted Cuttings, by mail, per dozen, $1.50; $10.00 per 100; $75.00 per 1000

H. M. ALTICK, - - - DAYTON, OHIO.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Rooted cuttings from cool-grown stock of the following varieties:

WHITE—Kalb, Polly Rose, Ivory, J. H. Troy, Robinson, Jerome Jones.

PINK—Glory of the Pacific, J. K. Shaw, Lady Playfair, Helen Bloodgood, Mrs. Murdock, F. B. Hayes, Mrs. Dalskow.

YELLOW—Yellow Monarch, Gloriosum, J. E. Lager, M. Henderson, Robert Halliday, W. Molatsch, Bonnaffon, Mrs. E. D. Smith, Rieman, Col. D. Appleton,

Also 30 varieties of Pompons, $1.25 per 100; $10.00 per 1000. Timothy Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

Jamaica Post Office, Woodhaven Station

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3 00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4 00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Fine rooted cuttings of the following varieties: **Halliday, Willowbrook, T. Eaton, Col. D. Appleton, Rieman, Lincoln, Hayes, Ivory Pink and White, M. Dean, W. Molatsch, J. Shrimpton, Robinson** and **Adrian**, at $1.50 per 100; **J. R. Weir,** 50c each, $4.00 per doz., $25.00 per 100. Cash with order. Address

H. A. MOLATSCH, 68th St., 9th Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted as foreman by first-class rose-grower; No. 1 references; only first-class place wanted. Address Q. A., care Forists' Exchange.

SITUATION wanted by young man, age 23, A-1 worker, steady and sober; anxious to learn; best references. Address Q. B., care Florists' Exchange.

SITUATION wanted by young man as assistant maker-up and salesman. Have had three years' experience, and can give good references. Address Q. E., care Florists' Exchange.

POSITION wanted as working foreman, up-to-date in roses, carnations and chrysanthemums; sober, industrious, not afraid of work. Address B. Rose, Rye, N. Y.

GERMAN, single (30), experienced greenhouse man, sober, industrious, willing to work, wishes situation. Please state wages when writing. Address A. Teske, 53 South 4th St., Brooklyn, N. Y.

SITUATION wanted: first-class gardener and florist as assistant gardener on gentleman's place; age 27, single, first-class references. State salary. Carl Specht, care C. F. Bertanzel, Roslyn, L. I., N. Y.

SCANDINAVIAN, 38, married, A-1 grower and maker-up; life experience, Europe and United States. Retail, commercial or private place preferred. Distance no objection. Address N. Nielson, Babylon, L. I., N. Y.

SITUATION wanted by experienced manager and propagator of all kinds of greenhouse and nursery stock; outdoors and under glass. Used to handling large force of help; A-1 references. Address Q. C., care Florists' Exchange.

SITUATION wanted by married man, without children, 28 years of age; life-long experience, both European and American; take charge of private or commercial place or section. Please give full particulars. Address Q. F., care Florists' Exchange.

SITUATION wanted as gardener to take charge of private place, by competent, reliable landscape gardener and florist; up-to-date in greenhouses; married; No. 1 references. State wages. Address Box 5, Winfield Junction, L. I., N. Y.

SITUATION wanted as foreman on large commercial place by married man. Should like to make carnations a specialty, as writer had charge of one of the best carnation growing establishments for the past five years. Vicinity of New York City preferred. Address P. A., care Florists' Exchange.

HELP WANTED

WANTED at once, an all-around man for growing general stock. A. L. Miller, Jamaica Ave., opp. Schenck Ave., Brooklyn, N. Y.

WANTED, SALESMAN AND MAKER-UP; MUST BE UP-TO-DATE AND THOROUGH; STEADY POSITION TO RIGHT MAN. APPLY 1000 MADISON AVENUE, NEW YORK.

WANTED, single man who has had some experience in roses; steady position. Write or apply F. C. Schweinfurth, Bronxville, N. Y.

WANTED, competent all around man for violets, carnations and chrysanthemums. State experience and reference from last place. Wages $10 per week to start with. Address or call F. J. Dolansky, 15 Warren St., Lynn, Mass.

WANTED, first-class assistant for 12,000 feet of glass; must have some knowledge of growing roses, carnations, chrysanthemums, and violets, must come at once; $20 to $25 and board to right man. Paul E. Liebsch, Batavia, N. Y.

WANTED, single young man with some experience in greenhouse work. Must be of good habits, healthy, and willing worker. Wages $20 per month with room and board. Address Q. H., care Florists' Exchange.

WANTED, good man to take charge and work in greenhouses; one who understands roses, violets and carnations especially, but can also raise all kinds of pot plants. Good steady place for the right man. Must be strictly honest, sober and willing to work. No others need apply. No application will be considered unless wages desired is stated. Applicants must be well recommended. Address W. B. Jobes, Bordentown, N. J.

WANTED, young married man, not over 35 (preferably one now engaged as section man, or second hand, on place where modern methods prevail), as working foreman for about 20,000 sq. ft. glass. Wages $12.00 a week and comfortable house; advanced as results warrant. Must show testimonials as to character, industry, and ability to grow good roses, etc. Location healthful and pleasant. Wm. B. Sands, Lake Roland, Baltimore, Md.

Mention the Florists' Exchange when writing.

HELP WANTED

WANTED at once, man who has had experience in rose growing, cutting, and re-potting. Must come well recommended. Apply to foreman of E. G. Asmus, Hudson Boulevard and Milone St., West Hoboken, N. J.

BUSINESS OPPORTUNITIES

FOR SALE, 5500 sq. ft. of glass; part new, with 2 or 30 acres of land. Address Box 32, Short Hills, N. J.

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE OR TO LET. Four greenhouses, 11x100; in good order; hot water heating; city water; will be sold cheap; not stocked; call or write Enos. H. Daly, Rahway, N. J.

FOR SALE—Greenhouses at Plainfield, Rutherford and Secaucus, N. J.; building lots suitable for greenhouses at Waverly, Orange and Kingsland, N. J. Address Henry Berg, Orange, N. J.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO LET—Two greenhouses 18x150 ft.; three-quarter span; two No. 17 Hitchings boilers; patent ventilators; eight rows pipe in fair condition; ten minutes from station. Also one building lot 50x150. E. T. Dunn, 10 Myrtle Ave., Madison, N. J.

FOR SALE—Established floral business, Washington, D. C. Fully equipped, lease and fixtures; desirable location on most prominent business street in city. Bargain offered. Good reasons for selling. Capitol Business Exchange, Atlantic Bldg., Washington, D. C.

PARTNER—The writer wishes to correspond with energetic young man to start a retail catalogue business, to grow and sell seeds, plants, bulbs and nursery stock. Some capital required; A-1 references, and some knowledge of office work. Address Q. D., care Florists' Exchange.

FOR SALE OR RENT—Fine place; about 26,000 square feet of glass; heated by 80-H. P. tubular boiler (steam). Owner not a florist; engaged in other business. Or will sell half interest to a first-class up-to-date grower. Good retail store. Brookside Greenhouses, 104 S. 5th St., Reading, Pa.

TEN GREENHOUSES, 15 acres of land; hot water; windmill; growing carnations, violets, etc., for wholesale trade. Large retail trade in bedding plants. Take partner on shares. Only parties of some means and first-class references need apply. Thirty minutes from New York. Address Larchmont Nurseries, Larchmont, N. Y.

FOR SALE—Bargain for an enterprising man. Well established florist business (18 years) with houses and stock ready for Spring trade. Eight greenhouses—four 100x16 and four 55x10; 32 cold frames, all well filled. Dwelling, barn and outhouses, lot 170x197 feet. Must be sold on account of death of late owner, Mr. Andrew Jepson. Call or address, Mrs. J. E. Jepson, Westfield, N. J.

FOR SALE

FOR SALE—FLORISTS' NEW ICE-BOX, 9x9 FT. THE ROSARY FLOWER CO., 388 FIFTH AVE., NEW YORK.

FOR SALE—16x24 "A" Double Greenhouse Glass especially selected for the greenhouse trade in large and small lots at special low prices. Also best grade Pure Linseed Oil Greenhouse Putty. C. S. Weber & Co., 10 Desbrosses St., New York.

FOR SALE GREENHOUSE MATERIAL

We offer a bargain in the following Greenhouse Material, and we can save you money if you are going to build

4400 sq. ft. double thick glass, A quality, 12x24 in.
1000 " " " " " 12x15 in.
1850 feet of 1½ in. pipe and fittings.
1800 " 1 " " "

This pipe is as good as new. It has been carefully taken apart and threads are all good. Also 3 Carmody ventilating machines for 100-ft. houses. A lot of sash bars with drip groove and ventilator sash, and a 40 horse power steam boiler.

The above described material is at Charlestown, W. Va., and can be shipped either over the B. & O. or C. V. Ry. If interested, write us at once. We offer a great bargain.

A. B. DAVIS & SON, Purcellville, Va.

Here's Your Chance

For pumping Engines, all in first-class condition, complete with pumps, ready to connect pipe: Two Ericsson No. 5, $60.00 each; $40.00 down; balance, $5.00 monthly. Four No. 6 Ericsson, with pump, all complete, $65.00 each; $40.00 down; balance, $5.00 monthly. One No. 8, same make and condition as above, $80.00; $60.00 down; balance, $5.00 monthly. One Rider No. 4, $40.00; $25.00 down; balance, $5.00 monthly. One No. 10, all complete, $100.00; $75.00 down; balance, $5.00 monthly. 5 per cent. off for full amount with order. Four Hitchings Boilers, $45.00 each. One Seven Section Smith & Baker Boiler, for steam or hot water, $50.00. For prices on pipe and other materials, see last week's issue.

MANHATTAN SUPPLY CO., 339 E. 23d St., New York

VARIEGATED AGAVES

All sizes. From $3.00 to $7.00 each.
For further particulars write
Miss M. BULLOCK, 85th St. and 2d Ave.
Fort Hamilton, Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbenas, new mammoth	$0 40	$3 00
Asters, Early Market	35	2 50
Candytuft, and **Alyssum**, Gem	30	2 00
Daisies and **Pansies**	40	2 50
Phlox, Star and Compacta	40	3 00
Fuchsias, out of 2½ in. pots fine	2 50	
Sweet William, large field clumps	4 00	

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

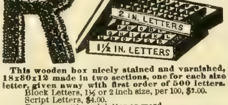
BOSTON FERNS Cool-grown stock, 4 in., $15.00 per 100; 6 in., strong, $50.00; 7 in., $60.00; 8 in., $70.00. Good clean profits in these. **Geraniums**, choice assortment of best bedders, 3 in., $4.50; 4 in., $7.00 per 100. **Vinca**, variegated, very strong, $2.50 per 100. **Petunias**, double fringed, 4 in., in bud, $6.00 per 100. **Sprengeri**, elegant plants, 4 in., $8.00; will retail at 30c. each. **Pansies**, choice colors, from finest strains, in bloom, $2.00 per 100. **300 Kaiserin Roses**, 5 in., in bud and bloom, $15.00; strongly rooted cuttings of Bride, Bridesmaid, Golden Gate, $1.50; Perle, $2.00; Ivory, $2.50.

W. H. GULLETT & SONS, Lincoln, Ill.

Mention the Florists' Exchange when writing.

BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager.
FACTORY: 18 Green St. **BOSTON, MASS.** OFFICE: 34 Hawley St

Mention the Florists' Exchange when writing.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED, 2000 Stevia variegata or a part of same; small plants of rooted cuttings; quote price. J. W. Howard, 330 Broadway, Somerville, Mass.

WANTED—Geraniums; 500 Semi-double, Grant, or Bruant; 400 Beaute Poitevine; also 100 Buchner; all strong plants out of 2½-inch pots. Address, stating price, to E. Hartwright, Noroton Heights, Conn.

EXCHANGE, 30,000 Sen. Dunlap Strawberry plants, 25c. hundred. Want violets, pinks, chrysanthemums, geraniums, bedding plants, or offers. J. W. Crowell, 479 Garden Street, Hartford, Conn.

WANTED—Two to three thousands canes of Willow (Salix vitellina) from 3 to 4 ft. long, and from ½ to 1 inch caliper. Also 500 canes, same size or smaller, of Basket Willow (Salix discolor). Address Salix, P. O. Box 70, Morris Plains, N. J.

WANTED to buy, 12,000 to 15,000 feet of glass with two or more acres of land within one hour of New York City. Send full particulars to P. C., care Florists' Exchange.

New York.

The Week's News.

The steamer Trinidad, on its arrival from Bermuda, on Friday, April 10, was reported to have 1,031 boxes of Easter lily flowers on board, each box containing five dozen buds.

The Oaks, an old mansion on the estate of John H. Taylor, Bayside, L. I., was destroyed by fire on Monday night. The burned building was one of the landmarks of Bay Side. It was erected during the war of 1812, and for the last 25 years had been occupied by a family named Clark. The damage is estimated at $10,000, partly covered by insurance.

Mackintosh, the Broadway florist, will on the 1st of May move to No. 1144 Broadway—a few doors below his present location.

Young & Nugent had a tent in the rear of their store to accommodate their plant trade. Someone from an upper window in the building threw out a lighted match and the result was a fire. This happened on Good Friday afternoon. It took but a few moments to fill 28th street with fire engines, hook and ladder trucks and other fire-fighting paraphernalia. The firemen got the blaze under subjection in short order. The tent was ruined and some of the plants were damaged—but it might have been much worse.

The plant growers who attend the Clinton Market have found a means of protecting themselves from the weather by purchasing a large tent. This tent is to be erected immediately and, as it will cover the space within the market proper, a substantial shelter will be afforded.

The officers of the Market Florists' Association, after repeated conferences with the alderman of the district in which Clinton Market is located, and with various interested politicians, feel very sanguine about a new market, and believe that by the time the season of 1904 opens a suitable market structure will have been erected. John Birnie is devoting a good deal of his time and energy toward securing the new market, and whatever is accomplished in the end will be, in a great measure, due to his personal efforts.

D. M. Ferry & Co. have protested against the appraisement of the Collector of Customs at Detroit, on certain seeds imported from Germany. The case will come before the Board of General Appraisers here for adjustment on an early day.

Boston.

The Week's News.

The Easter trade at the retail stores is reported as having been very satisfactory. Plant sales are said to have been enormous, though here and there considerable stock was left over, much of it of the large expensive kind, such as specimen azaleas, acacias, hydrangeas, Crimson Rambler roses, etc. Of course, lilies were the best sellers; azaleas and the medium-sized Crimson Rambler roses also proved very popular, being in demand next to lilies. Bulbous stock in pans did not sell as well as usual, nor did hydrangeas; and heaths went slowly. Spiræas, genistas, Primula obconica, cyclamen and hybrid roses, cinerarias, calceolarias and such plants, which were medium-sized, cleaned up pretty well.

The auction sales at N. F. McCarthy's rooms opened Friday with a sale of hardy roses and evergreens, including much imported stock.

Stephen J. Quinn, of Brookline, has the sympathy of his many friends in the trade in the loss of his wife, who died Friday and was buried Monday.

M. A. Patten brought into the market last week a flower from a Mrs. Lawson plant which showed exactly one-half pure white, with the remainder of the true Lawson shade.

Many protests have been registered by retailers and growers against the indiscreet and decidedly unfair action of several growers and salesmen, who all Saturday afternoon and evening sold their goods at retail at the flower market. Without a doubt such action hurt the neighboring stores, and no doubt will work injury to other growers who were in no wise connected with Saturday's transactions. There is talk among the buyers for the different stores of boycotting those growers who resorted to these unfair tactics, and other growers realize that such action has a tendency to make the retailer buy his goods elsewhere, and fear that with concerted action on the part of the retailers a very costly lesson might be taught. F. J. NORTON.

HAERENS BROS., SOMERGEM, BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **FORCING PLANTS.** We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Hærensiana), a soft pink, and we make the special offer of 100 nice 12-14 inch plants for $25.00 at our nursery. **Send your orders** for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application.

AUGUST RÖLKER & SONS, P. O. Box 752, **31 Barclay St., New York**

Mention the Florists' Exchange when writing.

NOVELTIES FOR 1903

CHRYSANTHEMUM NOVELTIES

Convention Hall, Algoma, Globosa Alba, H. W. Buckbee, Mrs. J. J. Mitchell, Ethelyn, Sophia, Miss Minnie Bailey and **F. J. Taggart, 60c.** each; **$5.40** per doz.

Also a complete list of Novelties from various sources, including **Mlle. Marie Liger, Yellow Eaton, etc.,** at introducers' prices.

Our collection of Foreign Novelties is unsurpassed, comprising all the best of recent introductions. Prices on application.

Standard Varieties—early, midseason and late—**$3.00** per 100, with the exception of a few scarce varieties.

ACALYPHA BICOLOR COMPACTA

$2.50 per dozen.

PIERSON FERN

(Nephrolepis Piersoni)

Now in stock, 2¼ in. pots, $9.00 per doz.

CANNA, THE EXPRESS

The best dwarf, bright crimson Canna, $3.00 per doz.; $20.00 per 100.

For other stock see page 422 issue of April 11.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

FERNS.

Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

BOUGAINVILLEA, 4 and 5 in., $2.50 per doz.

FICUS ELASTICA, 5 and 6 in., fine, $4.00 to $6.00 per doz.

BEGONIA, Erfordii and Dew Drop, in bloom, 2½ in., $2.50 per 100.

BEGONIA METALLICA, 3 in., $3.00 per 100.

ABUTILON, Eclipse and Splendens, 3 in., $3.00 per 100.

ANTHERICUM, variegated, 3 in., $3.00 per 100.

LOBELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5 and 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Plumosus, 3 in., $8.00 per 100. **Sprengeri,** 3 in., $5.00 per 100.

Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, La Favorite, Bonnot, Poitevine, Ricard, Frances Perkins, 2 in., $2.00 per 100; 3 in. pots, $5.00 per 100.

Gladiolus Bulbs, good mixture 50c. per 100.

Pansies, ready to bloom, $1.00 per 100.

Carnations, Portia, Scott, E. Crocker, Goodenough, White Cloud, Mrs. L. Ine; **Verbena, Scarlet Sage, Petunia, Coleus,** mixed; **Ageratum,** blue and white, **Lobelia, Achyranthus,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

NOW IN BLOOM!

AZALEAS GENISTAS TULIPS ERICAS Pink and White; Hyacinths all colors. Also all kinds of Palms and Decorative Plants. Prompt deliveries made in Brooklyn and New York. Write for our illustrated catalogue

A. SCHULTHEIS,
P. O. Box 78,
College Point, Queens Borough, N. Y.

Mention the Florists' Exchange when writing.

FERNS and PANSIES

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Pansies, strong clumps, in full bloom, $1.75 per 100.

Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

German Ivy. 2¼ in., $2.00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 6 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

KENTIA BELMOREANA.

2½ in. pots, strong plants	$6.00 per 100; $50.00 per 1000
3 in pots	12.00 " " 100.00 " "

ASPARAGUS PLUMOSUS

Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)

$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

SAGO PALMS

10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1.50 each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-grown clumps, $5.00 per 100

Asparagus Sprengerii, seedlings from flats, 80c. per 100 postpaid; plants from 3-inch pots, good stuff, $1.75 per 100, f.o.b.

Crinums, Amaryllis, etc., in large stock. Send for List.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

Write for Prices

PALMS, JARDINIERE FERNS, DRACÆNAS MASSANGEANA, LINDENII AND SANDERIANA, PANDANUS VEITCHII, BUSH RUBBERS.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.
Telephone, 1207 Williamsburg.

Mention the Florists' Exchange when writing.

PLUMOSUS NANUS

Good strong stock, just right for planting out, 2¼ in., at $4.00 per 100; 3 in., $8.00 per 100; 3½ in., $9.00 per 100; 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 100 6-in. pans, strong, healthy plants. Write for price.

Address **JOSEPH TOWELL, Paterson, N. J.**

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2¼ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.

Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS. 3 in., fine, bushy, $6.00 per 100.

ASPARAGUS SPRENGERI. 2½ in., $2.00 per 100.

LITTLE BEAUTY FUCHSIAS. 2 in., $5.00 per 100.

MME. SALLEROI GERANIUMS. 2¼ in., $3.00 per 100; 3 in., $4.00 per 100.

SMALL FERNS, for dishes 3.50 per 100.

COLEUS in variety, 2½ in., $2.50 per 100.

CHRYSANTHEMUMS. Fine assortment of standard varieties, 2½ in., $2.50 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing

Nephrolepis "Anna Foster"

Is rapidly growing in popularity among those careful growers who have been watching its progress during the past few months. Large specimens are exceedingly graceful. American Florist, April 4.

Beautiful plants, 3-inch, $20.00 per hundred, now ready.

2,000 Boston Ferns, now ready, cut from bench. $25.00 per 100.

Kentias, very fine, $50.00, $75.00, $100.00 per 100.

Red Ribbed Rubbers, 2 ft., $6.00 per doz.

Dracæna Indivisa, $4.00, $6.00, $9.00 per doz.

Asparagus Sprengeri, strong, 4 in., $6.00 per 100.

100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.

R. C. Coleus, red, yellow and black, $7.50; mixed, $5.00 per 1000.

L. H. FOSTER, Dorchester, Mass.
45 King Street

Mention the Florists' Exchange when writing.

Florists' Orchids

Large Importations Just Arrived

SANDER, St. Albans, England
Bruges, Belgium

Agent, A. DIMMOCK, 60 Vesey St., New York City

Mention the Florists' Exchange when writing.

Asparagus Sprengeri

From 3½-inch pots, extra fine plants, $5.00 per 100. CASH.

S. J. GODDARD, Framingham, Mass.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ORCHIDS

Just arrived from the East Indies, a shipment of

VANDA CŒRULEA
(The Blue Orchid)

Write for prices; we have them by the hundred.

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250 at 1000 rate.

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" " 3d size	35	2 50
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2½ in.	50	3 00
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Pinks, Hardy Scotch, Her Majesty, Juliette and Brunette, 2½ in.	35	2 50
Violets, Swanley White, Lady Hume Campbell, Prince of Wales and Hardy English	35	2 50
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" " " 1½ in.	35	2 50
" " " 3 in.	50	4 00
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(Plenty of PANSIES in bloom now.)

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Awarded a gold medal at Temple Show, London, 1899.

Fine stocky, well established plants, 6 to 8 inches high, $2.50 per 10; $20.00 per 100.

J. T. LOVETT, LITTLE SILVER, N. J.

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RYSANTHEMUMS

anthemums in Cold Frames.

Wm. Scott before the Tarrytown Horticultural Society.

time after the middle of March nthemums can be handled satis- y in a cold frame; and if pro- at that time should be plants at four inches high and well rooted all pots. As they will likely have out of warmer quarters than a ame, it would be well to allow o remain for a few days in the which they are received until come somewhat acclimated, be- tempting to shift them; but after a week they can safely be trans- to four-inch pots.

r they have got a hold on the oil and made a little growth, the should be pinched out to induce ing. Air must be admitted to me every day and regulated so temperature will not rise much 65 degrees; but in the afternoon mes should be closed when the ature begins to fall below this, to retain all the sun heat possi- To help keep up the night tem- some sort of covering should vided for the frames.

hard and fast rule can be laid in regard to watering, but the should be looked over once a or even twice in very bright r, and water afforded when the ows signs of dryness; but great must be taken that the plants are rwatered, as more plants are apt me sickly through too much wa- an by too little.

n the four-inch pots are well with roots the plants should be i into sixes and later into eight- pots, and finally into twelves, stage they will reach early in

aking our compost heap in the e use four loads of sod to one ll-rotted barnyard manure. Af- anding all Winter this is ready to potting in the Spring. Before it is well chopped up so as to thorough mixing. For the first s we use a little leaf mould and as to render the compost some- lighter; but for subsequent pot- we use it without these additions. r the final potting we add a good ling of bone meal; and if the soil a heavy nature, some finely- n charcoal. In the last potting gh drainage must be provided, ng plenty of crocks in the bottom e pots, and the soil should be d moderately firm. Pinching l begin, as before stated, when ants are in four-inch pots, and be ued according as the shoots at- length of about three inches. Sev- hoots will be produced from each , and the stronger ones should nched out a day or two ahead of eaker ones so as to give the latter nce of strengthening. After the f July pinching should be discon- l, and the plants allowed to make e growth they can before setting flower buds.

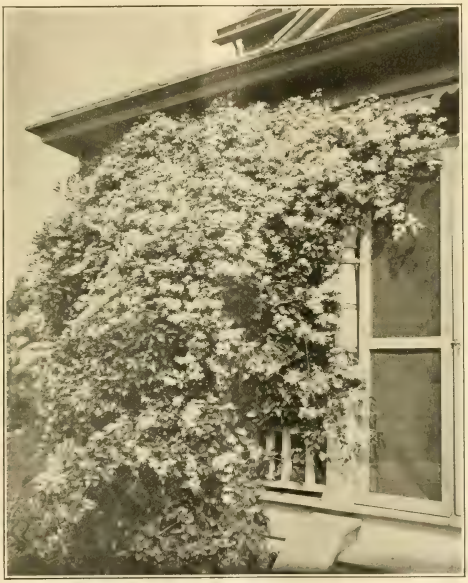
he end of August, and beginning ptember, selecting of the flower will have to be attended to. The date will depend on the variety, setting earlier than others; but, eneral rule, with plants that have kept pinched up to the end of July safe to take the first bud that . By taking the bud is meant the ing of the central bud by re- g all buds and shoots that appear d it.

growth advances, sufficient space be allowed for development, and shes heightened according as the s require it, plenty of air being night and day after all danger st is over.

oughout the growing season suf- t stakes should be placed to the s to insure support and to bring lants into shape; but the final g should not be done until the begin to show color. Several methods of staking are adopted, some growers supporting every flower by an individual stake, while others make a regular wire frame over the surface of which the blooms are evenly distributed. This latter plan makes the neatest looking plant, as it is easier to get the shoots well down over the pot and to give the plant a more symmetrical form.

The varieties I would recommend for bush plants are: Glory of the Pacific, pink and its white sport Polly Rose, are two good early dwarf varieties; A. J. Balfour, pink; Mrs. Henry Robinson, white; October Sunshine and Robert Halliday, yellow, and George W. Childs, red.

In growing plants for specimen blooms under cold-frame culture, I consider the best time to strike the cuttings from the first to the tenth of May. With greenhouses at my disposal I always prefer to strike my late cuttings in cold frames, as I find that better results are obtained.



CLEMATIS PANICULATA

A plot about three inches deep should be procured and filled with clean, sharp sand. Into this the cuttings should be placed, about two inches apart, the sand being moderately damp, so it can be well firmed around the cutting. Keep well watered and have the frame in which they are placed rather heavily shaded for the first few days until the cuttings begin to callous, after which more light can be allowed; but the shading should not be entirely removed until root action has taken place. The closer the frame can be kept the better while the cuttings are striking, as air has always a flagging influence; but as the shading is lightened more or less air must be given to keep the temperature from rising too high. When well rooted, pot up into three-inch pots, and when these are well filled with roots, shift into sixes, which will be found large enough in which to flower the plants. Keep them growing to a single stem by removing all side shoots as they appear. Should buds appear previous to the end of August, they should be pinched out. Several shoots will result from this pinching, and the strongest one should be taken for a single stem, as before, all others being removed.

The selecting of the buds largely depends on the variety. The plants produce what are known as first crowns, second crowns and terminals. A crown bud is a bud surrounded by shoots. These shoots, if the bud is removed, will make more or less growth according to the variety before a bud is again produced; while a terminal bud is one surrounded by buds, designated terminal as it terminates the growth of the plant for the season.

Few varieties do well on the first crown. A notable exception is H. J. Jones, which must be taken on the first crown to give satisfactory results. I have also had some good flowers on the Mme. Carnot varieties from first-crown buds, but, as a rule, the flower comes too dense to open properly, and with a long, bare neck. The second-crown bud is the one on which the majority of varieties produce the best flowers. This, as a rule, is produced about the beginning of September, though some of the early varieties will produce terminals about that time. Some varieties, again, such as Colonel D. Appleton and Goldmine, give the best results on the terminal bud. But the list of varieties is such a long one that it would take far too much time to enumerate them or describe the bud most suitable to each. Suffice it to say that the denser the flower is inclined to be the later the bud must be taken; and as new varieties are being constantly produced, the grower can only learn by experience and a close study of his varieties what buds he ought to select.

Opinions differ greatly regarding the time when feeding should be commenced, but my experience is that if the plant has had a suitable soil feeding is not necessary until after the buds have been taken, and if done much before then is apt to produce soft, pithy growth. I invariably use liquid manure, produced by soaking sheep manure, and take good care that it is not given stronger than the plants can take it up. Twice a week I find often enough to apply it. I use sulphate of ammonia at the rate of one-quarter of an ounce to one gallon of water, applying it about six times in all, but discontinuing it when the buds begin to show color. Some varieties can be given more than others; those that are inclined to damp should be given all the less.

It should be borne in mind that sulphate of ammonia is more of a stimulant than a feeder, hence it should be changed off with other liquid manure, and not afforded too often without intermission.

Clematis Paniculata.

It is no wonder the Clematis paniculata is so popular, for there is no other vine known before it or since that could fill the place it does. Before the introduction our reliance was on the C. flammula if we looked for sweet odor, and on C. virginiana or C. vitalba if we wished for quick growth and starry white flowers without fragrance. In C. paniculata we have quick growth, perfume and flowers in profusion, the merits of all others combined in one. How well the plant is suited for a porch or similar structure the picture shows.

There is a good deal to be gained in having a porch of proper color, that the contrast of vine and flower with it may be pleasing. In the case of a white painted porch the white sprays of flowers are lost sight of if they wander from their green background of foliage. Fortunately, this clematis makes such a mass of verdant leaves that no matter what the color of the porch the white blossoms have ample background.

This clematis is easily raised from seeds and, as it seeds freely, there is no difficulty in getting plants of it. Sow the seeds in boxes in the greenhouse in the Fall. The seedlings will appear in Spring and these plants potted and grown on, or even planted in the open ground, will be strong enough to give some flowers the year following. JOSEPH MEEHAN.

BRIEFS FOR BUSY FLORISTS.

AZALEAS that are to be kept over until another year should receive some attention as soon as the flowers begin to fade. If the plants are of last Fall's importation, they are probably in very small pots, according to their size, and should now be repotted. Use a light, fibrous loam, with a good proportion of either leaf mould or peat intermixed. Do not give the plants very large shifts —1 or 2-inch larger pot is all that is necessary. Pot as firm as possible, using a rammer to pack the soil firmly all around the ball. If the plants are at all unshapely cut them in where needed and remove all flowers before the seed pods form. After potting, water thoroughly to settle the soil, after which care must be taken not to over-water, as but little will be required until growth starts. A light syringing, however, should be given daily.

ROSES.—With the coming of milder weather and corresponding longer hours of sunshine, the rose houses have to be ventilated much more freely. If due care be not taken in this respect a dose of mildew is easily acquired about this time of the year. To prevent mildew there is no better plan than to have the foliage strong and leathery by giving plenty of air on all possible occasions, avoiding high temperatures and afternoon syringings. Young stock for the coming season's planting should be in the pots now; and if the plants cannot be kept near the glass in a moderately cool house they would be better placed in a frame outdoors, providing regular daily attention can be given as regards watering, etc.

CYTISUS AND ACACIAS can be put at the end of a cool house after through flowering, where they may remain several weeks without further injury. Young stock should be potted along, using a coarse, well-enriched soil. Cut any straggling shoots back into shape and water very sparingly until new growth commences. A cool house is the best place for the plants, although they should have full sunlight.

SUMMER-BLOOMING LILIES.—For pot work during the Summer months L. auratum, L. rubrum, L. album and L. Melpomene all make excellent subjects; and where there is any demand for pot plants through the Summer and early Fall a collection of these lilies should be grown. Pot the bulbs and put them under a bench until they start growing, then give them the full light in a cool house, fumigating or spraying occasionally with tobacco insecticide to keep down aphis.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

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BOOKS.

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Contents.

PAGE
American Carnation Society........ 454
Briefs for Busy Florists............ 453
Canadian News 460
Chrysanthemums 453
Clematis paniculata (Illus.)......... 453
C. S. A. Exhibition, 1903............ 454
Dutch Horticultural and Botanical Society 454
Easter, 1903 454
Easter Trade Reports (Illus.)...... 456
Ferns and Fern Hybridizing........ 454
Grass Cutter, The.................. 455
Leonard Seed Co.'s Fire............ 454
OBITUARY:
  Jas. W. Withers (Portrait), E. Orvis, A. F. Barron (Portrait), Jacob Wride, Joseph Cochrane.. 455
Pamphlets Received................. 454
Jacobs, S., & Sons.................. 465
New York Florists' Club............ 464
Nursery Department................ 445
Seed Trade Report................. 443
TRADE NOTES:
  Boston, New York................ 450
  Cleveland, Newport, R. I., Providence 464
  Chicago, Grand Rapids, Pittsburg, St. Louis..................... 465
  Kalamazoo 467
World's Fair, St. Louis............ 444

Owing to pressure on our columns this week with the Easter trade reports, several valuable articles have been crowded out, among them a most interesting one on "Noteworthy New and Little Known Hardy Plants," read by Mr. Greensmith, of Henry A. Dreer, Inc., before the Philadelphia Florists' Club.

"GRAFT," Bernardsville, N. J.—The Florists' Exchange does not publish anonymous communications. If you will forward us your full name and address—not necessarily for publication, but as an evidence of good faith, showing, also, that you have the courage of your convictions—your letter shall have attention.

Canna Mont Blanc.

The disseminators of this variety are CONARD & JONES CO., West Grove, Pa., and not as given in last week's issue, page 428.

Easter, 1903.

We present in this issue reports from quite a number of cities and towns showing that the Easter trade of 1903 was generally satisfactory and an advance on its predecessor, in some instances of 40 per cent., thus continuing the gratifying condition that has characterized the Easter business for several years. It was again a plant holiday. Stocks of all kinds, excepting carnations and violets in some places and lilies in others—certainly not in New York or Chicago—seem to have been sufficient for all demands.

Owing to the scarcity of carnations the sale of bulbous cut flowers increased in several localities. Among plants nothing new was offered. Azaleas of the lighter colors were great favorites, second to the lily. Rhododendrons had no great call; and among rose plants the Crimson Rambler, although, perhaps, not as extensively grown as formerly, was preferred to the hybrid perpetuals; in fact, the former seem to be supplanting the latter as well as the moss varieties. Hydrangeas of the deeper blue color found ready sale, but for the ordinary sorts no extra demand was experienced.

Spiræas sold fairly well; but genistas and acacias lagged; in fact, yellow, both in cut flowers and plants, appears to be passing out of favor at Easter. The popular predilection seems, too, in these latter days, to lean toward the plant, "unadorned," with the exception of an appropriate and plain pot cover. Where ribbon was used at all it took the form of a simple bow. Paper trimming, also, was but sparingly employed.

Very large specimens of any class of plant were not wanted.

For the continued increase in the Easter business much is no doubt attributable to the influence exerted by the daily newspapers. Page after page, containing articles and illustrations, have been devoted to accounts of the extent of the flower and plant trade at this festival; the materials available, and the prices to be charged. This is a feature of the holiday business the trade would do well to encourage. And it will serve the most useful and profitable purpose when correct and reliable data are furnished those in search of information on the subject.

Easter, 1904, comes on April 3.

The C. S. A. Exhibition for 1903.

The Chrysanthemum Society of America, through its president, Arthur Herrington, of Madison, N. J., is making most satisfactory progress in the matter of interesting various local societies, to the extent of these associations providing premiums to be competed for at the national Society's show, next November, by members of these bodies only. Already the Tarrytown Horticultural Society, the Morris County Gardeners and Florists' Club, and the New York Florists' Club have fallen in with the plan. It is understood, also, that the Massachusetts Horticultural Society has appropriated a substantial sum for a similar purpose; and, doubtless, other organizations will follow suit.

The plan proposed is something which no local society can object to, for, in addition to augmenting the interest centering in the exhibition of the C. S. A., the society contributing premiums in this wise aids its own membership as well.

A preliminary schedule, providing for a large number of classes, is in course of preparation, and will be issued as soon as definite arrangements with the American Institute—under whose auspices the show will be held—as to an exhibition hall and other matters, have been made.

In view of the increased enthusiasm in the work of the C. S. A., created by the very sensible decision of its officers to hold an annual convention in connection with the yearly exhibition, there is every reason to hope that a successful show will result. Doubtless, too, the Society will see the advantage of broadening its scope so as to take greater cognizance of the amateur element, both as regards its membership and exhibitions, and thus encourage the whole chrysanthemum cult, instead of, as heretofore, confining its efforts to the purely commercial side, which has narrowed its field and restricted its usefulness. This is now all the more imperative because of the growing popularity of the garden chrysanthemum in all parts of the country.

We would urge all associations favoring the proposed society or club contests to advise Mr. Herrington of their decisions thereanent, so that the schedule may be as complete as possible on that point before distribution.

American Carnation Society.

VARIETIES REGISTERED.

By A. Herrington, Florham Farms, Madison, N. J.

PHOEBUS—Yellow, with red markings; flowers about two and one-half inches in diameter and a free bloomer. A seedling from William Scott and Miss Audrey Campbell.

By Augustus Spies, New Springville, N. Y.

MRS. ERNEST FLAGG—Color, salmon pink, size equal to that of Mrs. Lawson; stem medium stiff, continual bloomer; excellent commercial variety.

ALBERT M. HERR, Secretary.

Dutch Horticultural and Botanical Society.

The floral committee of this Society, on March 25, 1903, granted first-class certificates to Tulipa Kaufmanniana coccinea, a new plant; also to T. K. aurea, shown by P. W. Voet, of Overveen, near Haarlem; to Iælia Jongheana, from W. C. Baron van Boetselaar, Maartensdijk; to Cypripedium × Mme. Hacke, from H. C. Hacke, Baarn.

Certificates of merit were given for Muscari Syovittianum sub-cœruleum, Chionodoxa lucillæ grandiflora alba and Iris Warleyensis, from E. H. Krelage & Son, Haarlem; to Iris Willmottiana, a new plant, from P. W. Voet.

Honorable mention was awarded to Viola odorata, a variety with pink flowers, from P. Vermeulen, at Wonnerveer; to Helleborus hybridus rosea superbus Otto Froebel, from H. D. Willink van Collen, of Brenkelen; to Cypripedium × Lathamianum var. Mr. Hacke, from H. C. Hacke.

A silver medal was given to D. J. Tas & Sons, of Aalsmeer, for a collection of forced shrubs; and to W. van Veen, of Leiden, for a collection of forced irises.

The Leonard Seed Company's Fire.

A disastrous fire occurred at the above company's wholesale warehouse, 71-73 West Monroe street, Chicago, on April 4, entailing a loss estimated by the insurance companies at 75 per cent. on a total insurance of $151,000, which is carried in 54 companies. It is creating considerable interest in insurance circles on account of the lawsuits which resulted from the firm's fire of 1899 in their warehouse on West Lake street and which were carried to the United States Supreme Court and decided against the insurance companies several months ago. The firm has opened at their new warehouse at 79-81 East Kinzie street, which was leased last November and was to be ready for occupancy by them May 1. They are able to fill all orders as they are received, although put to considerable inconvenience, and will be pleased to see all their old customers either at their retail store on Haymarket Square, or at the new quarters, 79 to 81 East Kinzie street, Chicago. R. J.

PAMPHLETS RECEIVED.

Catalogue of Greenhouses.

Lord & Burnham Co., Irvington-on-Hudson and New York City, have favored us with a copy of their new catalogue of greenhouses. Some 62 half-tone illustrations show the styles of greenhouse structures designed and erected by this firm in different parts of the country, both for commercial and other purposes. Other interesting data are also furnished.

Ferns and Fern Hybridizin

Editor Florists' Exchange:

I read with interest in a recent
of the Florists' Exchange the a
of W. N. Clute on the subject of
I am a pteridologist myself, and I
exception to certain statements in
article, particularly the one refe
to the hybridizing of ferns. I en
copy of a lecture delivered by m
fore the Newport Historical Sc
on February 16, 1903. I wish y
publish it in its entirety.

Hybrid ferns come by chance
through man's agency. The repr
tive organs are so small that th
not allow of man to work with
except with the aid of a powerfu
croscope.

Then, again, in my estimation
plenium ebenoides is only a var
of Asplenium ebeneum and is n
any way classed with Camptosoru
zophyllus; in other words, our
North American Scolopendrium
phyllum.

I would like to correspond wit
Clute on Cryptogamia.

T. FIELDHOU

[We regret we cannot afford spa
Mr. Fieldhouse's lecture in full,
goes very fully into the history of
generally. Referring to the hybr
tion of ferns, he says: "I have
asked many times if it were po
to hybridize ferns artificially so
produce new species, but it appe
me to be impossible. It is one
that has to be left to Nature
course, new ferns are all the tim
ing discovered, and we have q
quantity of hybrids, especially th
tive British ferns are very notic
The species Scolopendrium vu
found growing in limestone rock
in old wells, from which we have
ly 100 hybrids; Lastrea Felix-M
another example. I have many
sown spores of various species
gether in one pan or pot, but
never got anything new."

Mr. Clute replies to the fore
communication as follows:

Editor Florists' Exchange:

Your correspondent who has
doubts that ferns can be hybr
has apparently not had access
the literature on the subject.
students in general are so familia
the facts in the case that it did n
cur to me to mention the public
in which the information ma
sought. If your correspondent w
fer to back numbers of "The Fern
letin," he will find various notes
cerning hybridization; but the
complete work is Lowe's "Fern
ing," a British book selling for
$5.00 and one which treats the su
most exhaustively. It is quite
that the greater number of fern
ties have arisen as "sports," but
just as certain that others have
produced by hybridizing as I have
ed. If one, by careful work, se
the prothallus in such a way that
organs of a sex are left on each
and places pieces of one sex clo
those of another, it is not possib
anything but a hybrid to result.
is a dew-like substance which co
upon the under side of the proth
and when the antherozoids are
ated they swim about in this until
reach the archegonia. It is thus
for them to cross from one secti
another, provided the two are clo
gether.

There can be no doubt that suc
bridizing has been successfully do
the case of Asplenium ebenoides.
has only to consult the nearest bo
cal manual to find that this has a
been considered a good species,
as I have stated, it has often bee
timated that it is a hybrid. The h
dizer took prothallia of Campt
rhizophyllus and Asplenium ebe
and by planting the sectioned pro
lia close together, Asplenium eben
resulted. For references to the o
ing theories regarding this fern
may consult my book, "Our Fer
Their Haunts." Your correspond
right, however, in assuming that
hybridizing is a difficult matter.
quires both care and skill.

WILLARD N. CLU

Binghamton, N. Y.

Obituary

James W. Withers.

James W. Withers, of the American Gardening Publishing Company, New York, died Monday morning, April 13, 1903, in Jamaica, West Indies, whither he had gone in hopes of recuperating his health. He had been suffering from a complication of diseases for some time.

Mr. Withers was born in Welshpool, Montgomeryshire, England, 42 years ago. After receiving a common school education, he was apprenticed as a gardener on an estate near his native place in 1879, and followed his vocation successfully at different points for several years, having occupied some important gardening positions, and winning prizes for fruits, flowers, and vegetables at the leading exhibitions in England. In 1886, on the advice of Mr. Brian Wynne, the present proprietor and publisher of The Nurseryman and Seedsman, he went to London to better his gardening education, and there secured employment in the nurseries of John Laing & Sons, in their begonia department, growing many of the firm's exhibition blooms. While there he officiated as a judge at some of the South of England shows. The last three years of his residence in the old country were spent as a merchant, buying and selling on Covent Garden, the Boro, and other wholesale markets of London.

Coming to America in 1892, Mr. Withers entered the employment of the Oasis Nursery Company, at Westbury Station, Long Island, then under the management of Thomas Griffin, an old country acquaintance—a concern famous for its collection of tuberous and other begonias at that period. Subsequently he formed one of the galaxy of gardeners in the Pitcher & Manda establishment at Short Hills, N. J., where he remained until 1894, when he joined the staff of the Florists' Exchange. His conscientious work on behalf of this journal was highly valued by the publishers. In October, 1898, he purchased American Gardening from the A. T. De La Mare Printing and Publishing Company, Ltd. In 1901 his firm was converted into a stock company, incorporated under the New Jersey laws, with Mr. Withers as president and treasurer.

During his stay in the United States the deceased did some excellent work in the cause of horticulture. He took a keen interest in exhibitions and did everything in his power to encourage them. He was an active worker in various horticultural organizations, among them the New York Gardeners' Society, the Horticultural Society of New York, the American Dahlia Society, the New York Florists' Club, and others. He was a member of the S. A. F. O. H.; also of the F. and A. M. For several years he acted as manager of the flower shows of the American Institute, and through his instrumentality the horticultural section of that body was instituted. His services as a judge were much in requisition by the local horticultural societies; and for some years past he had officiated as one of the New York committee of the Chrysanthemum Society of America in the judging of new seedlings and sports.

In the untimely death of Mr. Withers horticulture has surely lost a valued exponent and true friend.

He leaves a widow and one baby a girl—to mourn his early calling away.

Emmerson Orvis.

Emmerson Orvis, Elmira, N. Y., died April 11. Mr. Orvis was of English ancestry and was born in New York State April 4, 1844. For over thirty years he had been engaged in the market gardening and wholesale florist business in Elmira, utilizing more than 100 acres of land and carrying on an extensive trade. For several months Mr. Orvis had been ill, suffering with a cancer of the throat.

The deceased was prominent in G A. R. circles. In January, 1862, he enlisted in Company I, 103d New York Volunteer Infantry, and was honorably discharged in the Fall of 1865.

Archibald F. Barron.

On Thursday, April 16, 1903, a cablegram was received from England by Leonard Barron, Editor of American Gardening, New York, announcing the death of his father, Archibald F. Barron, on that day. Mr. Barron was a Scotchman, and one of the best known British gardeners. He was for many years superintendent of the Chiswick experimental gardens of the Royal Horticultural Society of England, from which position he retired a few years ago. He was an authority on fruits; and his book on the grape, entitled "Vines and Vine Culture," is considered the standard work on the vinifera grape in Great Britain. The book has been translated into French. He was also the author of a work on British apples and one on pears.

For his services to horticulture, the deceased was awarded the Victorian Medal at the time of its distribution by the R. H. S. He was also the first recipient of the Veitchian Medal of Honor.

THE LATE JAMES W. WITHERS

Jacob Wride.

Jacob Wride, the veteran florist, of Auburn, N. Y., died last week. Mr. Wride was born in England sixty-four years ago, but had lived in Auburn many years and was one of its pioneer florists. The first of the present year he retired from active life, and with his wife took up his home with his son, E. G. Wride, in Chapel street. Several weeks ago Mrs. Wride died suddenly of heart failure.

Joseph Cochrane.

Joseph Cochrane, of Readville, Mass., died April 12, aged 59 years. He was in the florist business a long time. A widow, five sons and three daughters survive him.

The Grasscutter.

The thrifty man looks at his lawn,
"That grass," he says, "I'll cut at dawn."
! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !

And this is how it looks, when o'er
The lawn he runs his dull lawn-mower:
/ / / / / / / / / , / / / / / / ,

"I see," says he, "it's merely bent,"
And back he goes, though well-nigh spent:
)))))))))))))))

"Well, I'll be switched! Confound such hay!"
He cries, "I'll go the other way."
(((((((((((((((

Grown desperate now, the shears he snatches
And cuts the grass—in gobs and patches:
—! ! !——(((——! ! !——)))——! ! !—

Only to find next day, at dawn,
A dandelion-spangled lawn:
* * * ! ! ! * ! ! ! * * * ! ! ! * ! ! ! * * *

—Cincinnati Commercial Tribune.

INDEX OF ADVERTISERS

Allen J K 463
Altick H M 449
Amling E C 465
Anderson & Christensen 451
Andorra Nurseries...444
Aschmann G 451
Bader J 451
Baker W J 464
Bartram J H 447
Bassett & Washburn 465
Bayersdorfer H & Co 468
Beach Jas E 446
Beaulieu H 452
Berckmans P J Co..444
Beckert W C 443
Berger H H & Co..443
Bernheimer E 464
Berning H G 465
Blaauw J & Co 445
Black C 445
Bloom J S 452
Blue Hills Nurs 445
Bobbink & Atkins ..441
Bock W A 451
Bonnot Bros 463
Boston Letter Co....450
Bradshaw & Hartman 463
Brown Bros Co 445
Brown E C & Co....445
Brown P 449-52
Burpee W A & Co .444
Byer Bros 449
Caldwell the Woodsman 462
Cal Carn Co 446
Carmody J D 467
Chicago Carn Co 446
Chinnick W J....444-48
Clucas & Boddington 441
Coburn I E 452
Coldwell Lawn Mower 468
Conard & Jones Co 447-48
Connell B 452
College Bros 449
Cottage Gardens 446
Cowee A 442
Cowee W J 466
Cowen's N Sons....466
Craig R & Son.....451
Crooke J J Co.......462
Crowl Fern Co.......462
Cunningham J H ...449
Cut Flower Ex 463
Dailledouze Bros ...446
Davis A B & Son...444
Deamud J B 465
Deming Co 466
De Witt P M 448
Dietsch A & Co....467
Diller Caskey & Co.468
Dillon J L 448
Dillon G'house Mfg.467
Dimmock A 451
Dorner F & Sons Co 447
Dreer Hy A ... 442-67
Dumont & Co 464
Eichholz H 446-52
Eisele C 468
Eisele J G 451
Eisele W G 445
Elizabeth Nurs Co .443
Elliott W & Sons ..442
Elliott W H 441
Emmans Geo M.....451
Endtz Van Nes &Co.445
Farquhar R & J Co.442
Fellouris A J 462
Felthousen J E 448
F & F Nurseries ...444
Florists' Hall Assn .467
Foley J 465
Foley Mfg Co 466
Foster L H 451
Garland G M 468
Ghormley W 463
Giblin & Co........466
Gulick C P 452
Gunther W H 463
Guttman A J 463
Haerens Bros 451
Hagenburger C 451
Hallock V H & Son 442
Hammond J A 462
Harris E 448
Heikes W F 447
Heacock Jos 451
Helios Upton Co 466
Herendeen Mfg Co..467
Herr A M 447
Herr D K 449
Hermann A 468
Hews A H & Co....466
Hicks & Crawbuck 462-63
Hills E G & Co....449
Hilfinger Bros 466
Hill Top G'houses .452
Hippard E 466
Hitchings & Co......468
Holton & Hunkel Co.465
Hoopes Bros & Thomas 447
Horan E C 463
Horan J & Son......447
Hor'l Advertiser 466
Howe, J H 462
Hughes G J 448
Hunt E H 462-65
Igoe Bros 447
Invalid Appliance Co.466
Jackson J H 467
Jackson & Perkins Co 444
Jacobs S & Son....467
Jennings E B 452
Jessamine Gardens .451
Johnson & Stokes ..443
Jones H T 444
Joosten C H 450
Kasting W F 464
King Cons Co.......468
Koster & Co 445
Kreshover L J 462
Kroeschell Bros Co..466
Lager & Hurrell ...451
Landreth D & Sons.443
Lang J 463
Langjahr A H 463
Lawritzen C 449
Lenker C 445
Limbach C 466
Little So Floral Co..446
Livingston Seed Co.465
Lockland Lum Co..467
Long D B 462
Lord & Burnham Co.467
Lovett J T 445-52
Mader P 448
Mathews G P 449
Mauger W & Sons .442
McCarthy N F & Co.464
McFadden E C 462
McKellar & Winterson 465
McManus J 463
Mellen G H Co.....452
Mitchell H F 443
Mich Cut Flower Exchange 452
Minor W L 448
Molatsch H A 449
Moninger J C Co...467
Moon S C 444
Moon Wm H Co....444
Moore, Hentz & Nash 463
Moore W J 464
Mooris J W 452
Muno J 465
Myers & Samtman..447
Nat Board Trade...462
National Plant Co..447
Neipp G F 449
Netschert F 468
N Y Cut Flow Co...463
Niessen L 464
Ouwerkerk P 445
Peacock W P 444
Pennock S S 444
Perkins J J 463
Phila Market 464
Pierce F O Co......466
Pierson A N 447
Pierson F R Co....441
Pierson-Sefton Co...468
Pinehurst Nurseries..444
Pittsbg Cut Flow Co.464
Pitzonka G 452
Plant Seed Co......443
Pollworth C C Co..465
Ponnet C & Co 448
Quaker City Mch Co.466
Rawlings E I 448
Rawson W W & Co.444
Raynor J I 463
Reed & Keller 442
Reck & Son 448
Reid Ed 461
Reinberg George ...465
Reinberg Peter 446
Reynolds J L Co...462
Richards W J 443
Riedel & Co 463
Ripperger Geo 462
Robinson H M & Co 462
Rolker A & Sons....451
Rupp J F 447
Saltford Geo 463
Sander F & Son 451
Schmidt J C 445-51
Schmitz F W O....442
Schultheis A 451
Scott J 451
Shellr'd G'houses ...452
Shepherd Mrs F B Co 443
Sheridan W F.......463
Sim Wm 448
Sinner Bros 465
Slinn B S Jr 463
Smith C 463
Smith N & Son 451
Smith W C 462
Smith W & T Co...444
Soltau C 452
Springfield Floral Co 447
Stern J 462
Stearns A T Lum Co.450
Stoothoff H A Co...461
Storrs & Harrison Co 451
Stumpp & Walter Co 442
Sutherland G A 464
Swayne W 447
Syracuse Pottery Co.466
Taylor E J 446
Thompson J D 447
Thorburn J M & Co.442
Thorne A L 446
Tiger M F 444
Tobacco W & T Co..462
Towell J 451
Traendly & Schenck.463
Van der Meulen Th F 442
Vanhorne Griffin & Co 468
Vaughan's Sd Store 442-43
Vesey W J & M S..447
Vick's Jas Sons.....442
Vincent R Jr & Son 444-48
Vreeland F D 447
Waller E 447
Waverly G'houses ..448
Weber C S & Co. .466
Weber H & Sons.446-49
Weeber & Don 444
Welch Bros 464
Wenk P 448
Weston H 451
Whetstone & Co ...466
Whilldin Pottery Co 466
Whitton & Sons 452
Wietor Bros 465
Winterich C 448
Wood Bros 448
Young J 463
Young & Nugent ...463
Zijp H & Co........443

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS,

Abutilon 448-51-52
Acalypha 448-51
Achillea 445-47-52
Achyranthes 448
Ageratum 447-48-49-52-68
Alpine Plants 445
Alternanthera ...448-49
Alyssum 448-49-52
Ampelopsis 444-52
Anthemis 452
Anthericum 451-68
Araucaria 448-51
Asparagus ...443-44-45-47-48-49-51-52-62-63
Aspidistra 452
Asters 442-43-51
Aucuba 441
Azaleas 441-44-45-51
Begonias 448-49-51
Berberis 444-62
Bougainvillea 451
Bouvardia 468
Box 441-43-44-45
Bulbs (not named) 465
Caladium 441-42-43-48-52
Candytuft 451
Cannas 441-43-44-47-48-49-51-52
Carex 448
Carnations ...446-47-48-51-68
Centaurea 443-49
Cestrum 452
Chrysanthemums 445-46-47-48-49-51
Cinerarias 451
Cinnamon Vine 448
Clematis 441-44-45-47-52-68
Cobæa 443-48-68
Coleus ...443-48-49-51-52
Conifers 445
Coreopsis 445
Cosmos 443
Crinums 451
Cuphea 448-49
Cut Flowers 462-63-64-65
Cycas 441-43
Cyclamen 448
Cyperus 443-47-49
Daffodils 442
Dahlias 441-43-44-52
Daisies 447-48-51-52
Decorative Plants ...451
Delphinium 445
Deutzia 452
Dielytra 445
Digitalis 445
Dracæna 448-51
Ericas 451
Evergreens .441-44-45-52
Farfugium 443
Fern Balls 441
Ferns 451-62
Feverfew 452-68
Ficus 444-51-52
Freezia 443
Fuchsias 448-51-52-68
Funkia 448
Gaillardia 445-48
Gardenia 441
Genista 448-51
Geraniums 443-47-49-51-52-68
Gladioli 441-42-43-51
Glechoma 452
Gloxinias 443
Helianthus 445-52
Heliotrope 443-47-48-49-51-52-68
Herbaceous Plants 441-45
Honeysuckle 447
Hyacinths 442-43
Hydrangeas ..441-45-47-51-52
Ipomœa 448-51-52-68
Iris 444
Ivy 446-48-51-52-68
Jasmine 452
Kalmias 441
Kin Kans 444
Lantana 448-52-68
Lemons 444-47-52
Lilacs 445-52
Lilies 442-43-45
Lobelia ..447-48-51-52-68
Lychnis 445
Madeira Vines 443
Magnolias 441
Maples 441-44
Manetti 448
Myosotis 447-52
Narcissus 442-43
Nursery Stock 445
Orange 444
Orchids 451
Palms 441-42-44-47-51-52
Pansy 447-48-49-51-52-68
Pardanthus 445
Peonies 445-52
Periwinkles 468
Petunia ..443-47-48-49-52
Phlox 447-48-51
Phormium 443
Pilea 452
Pinks 452
Plumbago 447-52
Primula 447
Privet 444-45
Rhododendron 441-45
Romneya 443
Roses ...441-43-44-45-46-47-48-51
Rudbeckia 445-52
Salvia ...448-49-51-52-68
Sanchezia 448
Santolina 445
Sedum 448
Seeds (not named) 442-44-65
Shrubs 441-43-44-45
Small Fruits 444-45
Smilax 448-49-62
Snowballs 441
Solanum 452
Spiræa 445
Stevia 449-52
Stocks 448
Swainsona 448
Sweet William 451
Trees 441-42-43-44-45
Tritoma 452
Tuberoses 441-42-43
Tulips 443-51
Vegetables 444-45
Verbena ...447-48-49-51-52-68
Vincas ..447-48-49-51-52
Vines 441-44
Violets 447-48-52
Water Lilies ..442-43-48
Wistaria 444
Yucca 444-48

MISCELLANEOUS.

Auctioneers 461
Baskets 442
Boilers 466-67-68
Books 466
Collections 462
Cut Flower Boxes ..565
Decorative Greenery 462
Designs 462-64-65-68
Fertilizers 462
Florists' Letters 464
Fittings 468
Florists' Supplies 462-64-65-68
Flower Pots, etc.464-66
Galax 462
Glass 466-67-68
Glazing Points 467
Greenhouse Bldg .467-68
Gutter 466-68
Insecticides 462
Hail Insurance 467
Lawn Mowers 468
Lumber 467
Mastica 466
Moss 462
Mushroom Spawn ...442
Newspapers 466
Printers' Supplies ..466
Pipes, Joints and Valves 466
Putty 466
Rustic Work 442
Sash 467
Sprayers 445-66
Stakes & Supports ..447
Tags 462
Thermometers 466
Tile 467
Tinfoil 462
Toothpicks 466
Tubs 466
Ventilators 466-67-68
Wax Flowers & Designs 462

THE EASTER TRADE OF 1903

Reports Show an Increased Business over that of Last Year, Ranging in Volume from Ten to Forty Per Cent. Plants still Favorites, but Cut Flower Sales Steadily Advancing

NEW YORK.—The Easter trade in this city was of a more satisfactory nature than has been the case for several years past. The weather was favorable, both Saturday and Sunday, a little rain fell on Saturday toward midnight, but there was not enough of it to have any deterrent effect on the cut flower business. The plant trade was of increased proportions over any previous year. This class of stock was landed at the stores earlier in the week than has hitherto been customary, and Easter displays throughout the city were, if anything, more elaborate than usual.

The wholesale plant market at Clinton and West streets did not show the activity usually noticed here, in fact, the interior of the market was only occupied by one or two stand-holders, but some forty or fifty men with their wagons were ranged on the curbstone in the neighborhood, the growers preferring to stand outside rather than enter the old market in its present unsatisfactory condition. The plant peddlers were the principal buyers at this mart and while all the stock offered sold at some price, it cannot be said that the fact of its being Easter Saturday brought any more money to the growers' pockets than would materialize on any other Saturday during the season. Azaleas and rhododendrons sold at 50c. and upwards, according to their size; hybrid roses, nice plants, could be bought at $4.00 and $5.00 a dozen, pans of hyacinths and of narcissus fetched $2.50 per dozen, cinerarias sold at $2.00 per dozen, and good geraniums could be bought at various figures, ranging from 80c. to $1.00 a dozen for the very finest. Lilies in pots went at 10c. per bud and flower. Large well-grown hydrangeas were offered at $4.00 and $5.00 per dozen, some of these were exceptionally fine stock and should have realized higher prices. It was not long after daylight appeared, however, that the contents of the growers' wagons had all been transferred to the wagons of the peddlers, and the latter were on their way through the streets of the city.

With the opening of the Cut Flower Exchange in the Coogan Building, at 5 a.m., the cut flower business of the day commenced. The floor space was crowded with people, and here and there among the crowd were seen some of the dealers from the commission district, evidently down for the purpose of getting a line on the business prospects. Lilies were in abundance and there was no standing out for high rates, the best stock sold at 8c. and poorer flowers went at 6c. Carnations, however, started off at a good figure, which was maintained throughout, $4.00 and $6.00 a hundred being realized, with the exception of some very inferior stock that only brought $3.00 per hundred. The supply of Ulrich Brunner roses was not large enough for the demand, the long stemmed flowers sold readily at $5.00 a dozen, and the short ones fetched $1.50 a dozen. General Jacqueminot also sold readily at 8c. and 10c. each. Tulips and narcissus of the ordinary kinds realized $2.00 per hundred, and there was a tremendous supply brought in. Double tulips fetched $3.00 and $4.00 a hundred, selling better than they had done for some days previous. Smilax, adiantum and rose geranium all went well, and when the rush was over everything had been cleared out, and every one was free to admit that business had been decidedly satisfactory.

The New York Cut Flower Company's room was thronged with buyers within a few minutes after it opened for business. Stock of all kinds came in plentifully, especially American Beauty roses. The top grades of these were started off at 40c. each, but that figure proved too high to be maintained and a general cutting was done before the stock was cleared out. Some went at $3.00 per dozen, and many much lower than that even, 15c. each being reached in some instances. Bride and Bridesmaid roses were anything but uniform in quality, and the range in value was a wide one. A few very fine Bridesmaid realized 20c. each, though the majority of the specials fetched from 10c. to 15c. each. Extras brought 6c. and 8c.; No. 1, 4c. and 5c., and anything shorter had to be sold at 1½c. and 2c. each.

Carnations went off well, nothing going much lower than $5.00 per 100 and fancy stock as high as $10.00 per 100.

Lilies were too plentiful to bring more than 8c. or 10c. each, and some went below these figures.

In the wholesale commission district supplies poured in heavily, roses and lilies being particularly numerous, also yellow bulbous flowers. American Beauty and the other roses held at about the prices already mentioned. Carnations were in brisk demand and good ordinary stock brought $5.00 and upwards per 100. Violets had a good call and the supply was below expectations; the prices ranged from 75c. to $1.50 per hundred, and there was not enough to go around. Flowers that last year would not have sold for 35c. per 100, were easily got rid of at 75c.; and it can safely be said that for the violet and carnation growers this has been the best Easter that has been experienced for several years.

It was painful, however, to see how the trade in lilies lagged. Where they all came from one can hardly tell, though A. N. Pierson, of Cromwell, Conn., and a Japanese firm in Secaucus, N. J., are responsible for a good many thousand blooms. It was simply no use in trying to keep up prices with such a stock in view, and the flowers sold at from 10c. down to 6c. each.

The lilies and the single and double yellow narcissus, of which there were also countless thousands on hand, formed the greatest glut in the market, and when the business wound up on Sunday afternoon the largest percentage of flowers left over were of these kinds.

Callas brought $1.50 per dozen and were in good demand. Pansies also were good sellers, realizing $5.00 per hundred bunches. Sweet peas sold well, as also did lily of the valley, though ordinary prices ruled.

The retail trade throughout the city was considered very good. More plants than ever before were handled, and while it was apparent that a little over-buying had occurred at one or two places, there is a general satisfied feeling.

Nothing new was seen in the flowering plant line, though at some of the Fifth Avenue stores some very blue hydrangeas were noticed. These were very effective when arranged among the other flowering plants and we have no doubt they proved good salable subjects. There were also some very well-grown plants of the yellow erica, E. Cavendishii.

In this issue are presented illustrations of some of the principal stores which give a better idea of the prevailing styles of window dressing in this city than any pen pictures could convey.

After Easter.

Although there has been quite a little doing among the retail stores since Easter, in the way of large weddings, etc., it cannot be said that the price of cut flowers in the wholesale market has held up as well as one would expect. The tremendous supplies of roses, lilies and some other bulbous stock available for Easter did not begin to abate much until the latter part of the week, and retailers who were fortunate enough to have extensive decorations on hand this week have been enabled to do the purchasing of cut flowers at their own figures almost. Take, for instance, American Beauty roses. One retailer required five hundred special blooms on Easter Monday, and they were bought at $10.00 per 100. In fact, the crop of American Beauty roses has been so heavy the past week or two that they have had to be sold at all kinds of figures in order to get rid of them.

Bride and Bridesmaid roses of the top grades have been firmer; an occasional sale of these has been made at 12c. each, though from 10c. down has been the rule.

Carnations have held up fairly well right through, good ordinary grades fetching from $3.00 to $4.00 per 100. The question as to whether the variety Mrs. Thos. W. Lawson is a fancy or not comes up occasionally, and we may observe here that there are more different grades of this carnation coming into this market than of any other flower.

During the Easter rush lily of the valley was not much in demand, and low prices were the rule. On Wednesday and Thursday, however, the supply was hardly adequate for the demand and a material advance in price resulted.

White sweet peas have also had a good call the last day or two. Violets are coming in in but small quantities and prices are keeping up well toward those obtained at Easter. Narcissus Von Sion and N. Princeps, of the improved type, can be moved at about $2.00 per 100, but the host of other yellow narcissi is the greatest drug in the market, and these flowers are freely offered at $2.50 per 1000.

Lilies are abundant and bring from 4c. to 6c. each. Competition was so keen on Monday last when it was known that several thousand had to be used at a certain function, that the lilies (we are informed) were finally placed at a figure below 6c.—and this on Easter Monday.

White and colored Dutch hyacinths are coming in plentifully and about $2.00 per 100 is all they realize. Gladiolus also is seen regularly now, but does not sell as fast as one would expect.

Smilax seems to be more plentiful and the price is weakening.

CHICAGO.—The Easter business, taken as a whole, was much larger than has ever before been done in this market. Probably better results would have followed had the commission men been advised of the quantities of stock likely to be thrown on the market, particularly in the case of lilies, a good many of which were to be seen around at the close of business on Sunday noon. From reports, it would appear as if a good many of these flowers had been placed in cold storage and held for Easter. Never before were there so many lilies sold as at this season. All growers have been well cleaned out of these. There were more roses on the market than has been the case heretofore, and they were fairly well cleaned up from day to day; a break, however, occurred toward the end of the week and prices were a shade lower than market quotations. The wholesalers had a very large shipping business to points much farther distant than usual, very many orders coming from Eastern florists. In fact, the shipping business here is extending from the Atlantic to the Pacific. A large number of lilies was shipped from Chicago to the New York market. McKellar & Winterson had one order for this class of stock from Cumberland, Md.

At this writing, with cloudy, rainy weather, everything with the exception of carnations is at a standstill; both the local and shipping demand has fallen off considerably, while cuts remain the same as last week.

Growers of potted plants for Easter are well satisfied with the trade done. All were sold out toward the beginning of the week. The call for flowering plants increases every year. No novelties were offered, although there would seem to be a good field for some one to take up this branch of the trade. All seen in the stores are bought in the East, and are evidently profitable stocks to handle.

The market for the past week has been good, and although much more stock was received than anticipated, prices have not fallen much below quotations, with the exception of lilies, which arrived in larger quantities than could be handled. The rose market is not so good as could have been wished for; bright days before Easter brought in an increased cut. The carnation condition stood as predicted; not enough were to be had to fill orders, while the prices obtained for carnations exceeded those at Christmas. Fancy stock ran as high as $10.00 per 100, and ordinary grades were hard to get at from $4.00 to $6.00 per 100. At present writing, Tuesday, the price has dropped considerably; $4.00 per 100 will take most of the fancy flowers, with the exception of Prosperity, Harlowarden and others which wholesale at from $5.00 to $6.00.

Bulbous stock of all kinds has sold well at prices quoted in Easter lists. A break in the market for lilies was experienced as early as Friday, and every dealer had more than he knew what to do with. Prices were down to as low as $6.00 per 100 for fairly good stock.

Violets were rather scarce, and those obtainable not of first quality. A great many were handed direct from the grower to retailer, the former going from store to store and selling in this way.

The call for miscellaneous stock was not too brisk. R. J.

ST. LOUIS.—From all the reports gathered from the different florists everybody seems well pleased with the Easter business done. The majority of them say that never before was there such a call for blooming plants, especially lilies. Of these latter there was a scarcity, and long before Saturday noon all had been sold. Prices ran from $1.50 to $5.00 per plant, according to the number of flowers on it. Hydrangeas and rhododendrons were of better quality this year, and were in keeping with the azaleas as to demand; in fact, everything that had a bloom on it found a ready sale. Mr. Weber, Mrs. Ayers and Young & Sons claim that at no other Easter did plants sell so well, with much better prices.

As to cut flowers, we had plenty of everything except violets. Cut Harrisii lilies and callas were in great abundance, as were tulips, lily of the valley, Von Sion narcissus and Dutch hyacinths. L. Harrisii brought $1.80, and callas, $1.50 per dozen; tulips, 3c. and 4c.; lily of the valley, $4.00, and Dutch hyacinths, $5.00 per hundred. There was a goodly supply of extra long American Beauty roses at $5.00 and $6.00 per dozen, with plenty of shorts at from $5.00 to $10.00 per 100. Bride, Meteor, Bridesmaid and Golden Gate were in good supply; for these the price was $12.00 for choice, and from that down to $4.00 per 100.

Sweet peas were very fine, with extra long stems, but not enough of these came in for the demand; from 50c. to $1.50 per 100 was the price. The few violets available sold quickly at $1.00 per 100, and the flowers not very good at that. Carnations had one of the greatest calls in the history of this market. The supply looked large at the three wholesale houses, but the orders ahead took nearly every flower in sight. The prices were $4.00 for the poorest and $6.00 for fancy stock. White is still very scarce in the market; with plenty of funeral work every day.

The wholesalers were kept very busy with both shipping and local trade. They all claim that this was the biggest Easter they have had in years. Great quantities of lilies were disposed of. Kuehn handled 1000 for the Veseys of Fort Wayne; Ellis and Berning handled an equal number for others; among the three nearly 10,000 lilies were disposed of. The quality of the stock was generally good. Very few complaints were heard as to pickled flowers. ST. P.

BUFFALO.—The recent predictions regarding prospects of a good Easter trade were largely verified in a happy degree. The weather lent influence that allowed easy delivering of plant stocks, as a rule, though in the rainy rawness of Saturday afternoon and evening, and part of Sunday, it mitigated against cut flower business and reduced that item somewhat.

On all sides, in retail lines, comes the report of a trade nicely in advance of that of any former year, the guesses on the increase ranging variously from 20 to 30 per cent. over that of a year ago, some estimating much higher.

It may be referred to largely as a plant trade event. The uncertainty of definite supplies in flowers, coupled with high values demanded, led retailers to concentrate energies on the plant trade, and flowers can hardly be said to cut much of a figure beyond the supplying of the select grades that in any event will beget a certain call. It would seem, too, as though some shipments of flowers were held back too late in the week. Certainly some stocks in roses offered late Saturday went begging for buyers. Some kinds of bulb stock were a bit in over-supply, also. Violets came in in goodly lots, and fair qualities, but the demand called for more. Carnations, too, did not seem to show up in quantity proportionate to their importance and demand, and at wholesale were generally divided up in allotments to regular customers. The quality of bloom generally was above the average.

As to prices, 25c. per bloom for lilies, either cut or on the plants, seemed to be a settled figure with everybody at retail. A department house advertised the offering of a limited stock at 20c. per bloom, but it evidently exerted no influence. The supply was short of the demand, so the regular price was readily gotten. Some short growth stock, that was recently treated by planting from 3 to 5 plants in pans, went off nicely, being easy to handle, and making, too, a good appearance. Rhododendrons sold better than last year, the lavender tinted variety Catawbiense being prominent, and perhaps most effective. A limited number of nice lilacs offered sold well, as also did hybrids and Crimson Rambler roses, the which, too, were not grown in such large numbers as sometimes before.

The stock of azaleas, as a rule, cleaned up well also. In these, local growers discreetly gauged the stocks provided, more nearly to the probable demands, so better results will be netted.

Some of the retailers worked off a fair number of novelty baskets filled with blooming plants, and more or less embellished in fanciful finish.

Though never seen of nicer quality, Dutch hyacinths in pots and pans seemed almost a drug. Double light pink Murillo, and the bright yellow and red Tournesol tulips, in pans of liberal dimensions, met ready sale and, in some quarters, an unsupplied demand for mignonette in pots were noticed.

In the retail Main street stores, the prices obtained at retail for cut flowers naturally varied materially. For good grade blooms they seemed to run, in Bride and Bridesmaid roses, from $2.00 to $4.00 per dozen generally, exceptions going as high as $5.00; Meteor and Liberty, $3.00 to $4.00; American Beauty, $6.00 to $18.00. Carnations are mentioned at all prices between $1.00 and $2.00 per dozen. Violets went from $2.00 and over; and bulbous flowers from 75c. to $1.00 per dozen. L. H. Neubeck had provided a lot of Antirrhinum majus in good large sprays, but found the demand for it hardly encouraging, even at $1.00 per dozen. But sweet peas here, at 15c. for bunches that might be called modest, came short of the demand. VIDI.

CINCINNATI.—Easter business was the largest ever experienced in this city. Cut stock of all kinds sold well and at fair prices. Of carnations, there was not one-tenth part enough to go around. Peterson's hydrangeas and Crimson Rambler roses were the finest plants seen. All lilies sold, and at good prices. The stores and wholesale houses here had all they could handle. Heller Bros., of New Castle, still stand as kings among rose growers, and always have stock when it's needed. W. K. Partridge also had a fine Easter cut.

In the Jabez Elliott flower market the growers did a tremendous business in plants. Cut stock sold well there also.

No special plants were noticed, only the general line usually seen at Easter.

E. G. GILLETT.

DUBUQUE, IA.—Total Easter sales reached about 25 per cent. more than last year's, the increase being chiefly in flowering plants. Ornamental foliaged stock was not in demand. Prices were about the same as those ruling in previous years. On Saturday the weather was ideal, both for sales and delivery. Friday and Sunday it rained. W. A. H.

TSBURG. Everybody was satis- with the Easter trade. I think I safely say it was the best ever ex- nced, and if the weather had been favorable everything would have cleaned out. It rained almost the day Saturday, which hurt the sale ants very considerably; and also af- d store trade to some extent. The nd for cut flowers was brisk. Peo- were not complaining much about the prices, which were about the same ose of last season. Good lilies were dant, selling well and averaging t $3.00 per dozen retail. The best ght 15c. wholesale. Callas were in demand at the same prices as L. sil. Roses were not too plentiful, as s were somewhat afraid of buying high prices prevailing. American ty sold at $10.00 per dozen and bet- Bride and Bridesmaid at $3.00 up- , the stock was choice. Carnations well at from $1.00 per dozen and ud; at wholesale from 5c. to 10c., verage price being about 7c. The of carnations was better than usual Easter, with an increased demand, with many dealers a shortage was able early Saturday afternoon. t peas were scarce. Mignonette and s were in fair call; yellow daisies too high priced. Bulbous stock was abundant, but sold remarkably well r figures. Good tulips, costing from 6c., sold at from $1.00 per dozen d. Daffodils brought from 75c. up dozen; cut hyacinths were not plenti- All bulbous stock was pretty well d up. Some bunches of outdoor were in about the first of this sea- shipped from the South.

re was an abundance of plants, dec- and blooming, selling well at prices. Azaleas brought from 75c .00 apiece at retail; Crimson Ram- roses from $3.00 to $15.00; hydran- all prices; hybrid roses, good s, in bloom, from $1.50 up. Genistas very slow. Tulips and daffodils in and pans sold at good prices about er bloom; hyacinths at 15c., two e found ready sale. The markets illed with plants, and if the weath- d been better many more would been sold. E. C. R.

EVELAND. Easter of 1903, taken whole was the largest one for the s in many a year. The only item marred the event was the weather, day before Easter being one of the days that we have had this Spring. y long the rain came down and the rature was near the freezing mark uyers had things, as far as weather oncerned, against them. The week d brisk, with plenty of shipping s and at the end of the week some s were all bought up. Crimson Ram- oses are still favorites, and for color k this season has done them proud, all of them were lacking that blue ist so often seen in other years. e lilac in pots sold far better than before, and large quantities of them disposed of. Azaleas did not sell as well as in other years, perhaps se so many of them were a little their good use. Hybrid roses in proved one of the fastest-selling s, and more could have been dis- of had they been obtainable. The of lilies in pots was not near up to of other years, and there seems to reason; the buyers simply passed by. Colored tulips in pots and pans great favorites, while the lighter had a tendency to drag. Hya- s were moved in large quantities, some really good ones were to be Spiræas, deutzias, daisies and hy- eas were slow sellers, and of these plenty were left over.

ut flowers, violets had the lead, and at were available went at good , and, in most cases, fancy figures the rule. Carnations were favorites cond place, and there was not near- ough to go around. The very poor- rades sold readily at $1.00 per dozen. were in good supply, although the was not as good as in other years. ulbous stock of all kinds sold well much better than in former years. e Easter the weddings have start- come thick and fast, and flowers till at holiday prices. Should the dark weather continue, a real ty will be the result. G. W. S.

LTIMORE.—Most all are satisfied the Easter trade, which showed no advance over that of previous years. s of themselves cut no figure, but a deep cut in the accounts, as they scarcely to be had, and lily of the did not fill their place. Carna- were not over plentiful, neither were

nts went well, medium sizes more ularly. Bulbous stock sold fast, but Soft and salted roses were in nce; in fact, some of the growers id it. Easter, 1903, was good, but poch making.

EDWIN A. SEIDEWITZ.

ATTLEBORO, VT. — The Easter here was the best it has ever been. were just about enough lilies to y every one. D. McGillivray had nest lot ever seen here. His daffo- ere fine, too. The prices were about ame as last year. The supply of thing was good, and the weather at could be desired—calm and pleas-

D. M.

OUTSIDE EASTER DISPLAY OF ALEX. McCONNELL, FIFTH AVENUE, NEW YORK.

ST. PAUL.—While weather conditions were not perfect, Easter trade was exceedingly good, and everything sold at good prices. The week was a busy one from start to finish. Everything was in good demand, and when one kind of plant was all sold, the buyers readily turned to another. Lilies, as usual, had the call, but these popular flowers were not equal to the demand, and but few good blooms remained after Friday night. The wholesale price was 15c. per bloom. There seemed to be a good sale for all colored flowers, and with the exception of lilies, they sold quicker than white ones. There was the usual good supply of azaleas, hydrangeas, Crimson Rambler roses, spiraeas, Hybrid roses, genistas, lilacs, etc., etc. For novelties Swanson had standard snowballs and Wistaria sinensis in tree form, as well as fancy baskets filled with bulbous stock and trimmed with ribbon. May & Co. had baskets of hyacinths, automobiles, etc., which were both attractive and salable. All the others had fine displays of excellent stock, the most noteworthy being Halm & Olsen's and E. F. Lemke's.

In cut flowers the colored stock was sold the quickest. American Beauty roses and violets took the lead. Liberty and Meteor were also in great demand. White carnations and other roses were also popular.

A conservative estimate indicates an increase of 12½ per cent. over previous years' records. One daily paper had the estimated sale of flowers in St. Paul for Easter week at $10,000; 1-10 of that estimate would be nearer the truth. The weather was detrimental to shoppers, but as everything was sold and delivered in good shape, no serious complaint can be made on that account.

Shipping business was unusually brisk and surpassed all previous records. Altogether this Easter was another record-breaker, and no one has reason for complaint.

Visitors since my last report were J. D. Thompson, of Joliet, Ill., and Mr Blaauw, of Boskoop, Holland. VERITAS.

GRAND RAPIDS.—Trade conditions were strong all the week; shipping was steady, and, the last three days, heavy. Retail trade was never better. The supply of stock to meet the Easter rush seemed almost inexhaustible. In lilies, the supply was large. Crabb & Hunter cut over 15,000, besides handling pot plants. Henry Smith bought most of his Easter pot plants, except lilies, of which he had plenty. The Grand Rapids Floral Company were well stocked with both plants and cut flowers. Crabb & Hunter gave a special sale at Brown's seed store. Other sales were held at the Boston Store, Herrick's grocery store, and last, but not least, the wagons alongside the curb, belonging to Peter Kunst, Freyling & Mendall and Bruinslot & Son. They sold large quantities of pot plants. As predicted, carnations were in short supply; roses equal to the demand, while in other lines there were plenty and to spare.

Not being able to get carnations, plants proved a very satisfactory substitute, and more plants were sold from a money value point of view than cut flowers.

In pot plants Crimson Rambler roses and azaleas stood next to lilies in public favor. Dwarf lily plants were very suitable for the purpose. The bulk of the bulbous pot plants were handled by the wagons, cheap, so the stores, in a measure, felt the influence. Early in the week the Boston Store (dry goods) had a special sale of dormant hardy rose bushes at 15c. each, two for a quarter, followed by an American Beauty pot plant sale at 50c. apiece, fine plants. This was followed by a lily sale, the variety was extremely dwarf.

Cut flower prices were as follows: Carnations, 75c. to $1.00 per dozen, although the wagons cut to 50c. in some instances; roses, $1.00 to $1.50 per dozen; American Beauty, $3.00 to $6.00 per dozen; lilies, $2.00 to $3.00; violets, 20c. per dozen; tulips and lily of the valley, 50c.; daffodils 75c. In plants, the lily led. Dwarf plants sold at 15c. per flower and bud, the tall plants at 20c. per flower and bud; azaleas, $1.00 to $5.00, according to size; $1.50 to $2.00 was, however, the popular price. Crimson Rambler brought 75c. to $2.00. Both Smith and the Floral Company had some very fine specimens. Hardy roses reached 50c. to $1.00; violet pans, 25c. to $1.00 each; hydrangeas, 50c. to $2.50; not as many of these were sold as usual. Daffodils and tulips in pans went at 10c. up, according to the number in a pan. Hyacinths sold in immense quantities at 15c. to 25c. in 4-inch pots. There was any amount of pot plants left over, but had it not rained and stormed everything would have been cleaned out. Very little business, comparatively, was done after 2 o'clock Saturday afternoon. As a whole, business was better this year than last by about 20 per cent. increase. Of course, there was a large increase of glass to be allowed for. G. F. C.

KALAMAZOO, MICH.—Easter trade fulfilled all expectations here and every one reports satisfactory business. The weather was bright and pleasant all the week, which helped open up the buds as well as to bring out the buyers. All kinds of flowers were in sufficient supply except, perhaps, carnations; however, these have been short all the season. Pot plants sold as well as usual, lilies, of course having the call. These fetched 20c. per bud. Of novelties none were in evidence, but a very nice, desirable line of standard plants was carried by every dealer. Prices ruled a trifle higher than usual: Roses, from $1.50 to $3.00 per dozen; American Beauty, $3.00 to $5.00, a few long-stemmed 75c. each; carnations, 75c. to $1.00 per dozen, a limited number being sold at $1.50 and cheap grades at 50c. Lilies brought 20c. per bud, daffodils, 75c. per dozen; lily of the valley, 75c.; violets, 25c. Green material the usual prices. The wholesale prices ruled about the same as those of Chicago. Prospects for a few weeks more business appear promising. S. B.

ELMIRA, N. Y.—Easter, 1903, was notable for favoring conditions of weather. Locally, I do not recall anything like it, and it enabled us to make a grand display outside as well as in. The charming weather was the supreme factor of success in record sales.

While it was a plant Easter, cut flowers were equally in demand. The call for violets was extraordinary, beyond all anticipation, and the supply was soon exhausted. Lily of the valley, both in cut flowers and growing plants arranged in pans, baskets, etc., sold better than usual. Roses and carnations, where quality was in evidence, were short of the demand. Rawson had a corner on lilies and Leavitt a superabundance of rhododendrons. The latter make a fine show, but azaleas are preferred by the retail trade. Azaleas in light colors were the best sellers. While you could not say bona fide novelties were much in evidence, there was much variety, not usually seen at Easter. Ixias were specially attractive as cut flowers. Large pans of daisies, forget-me-nots, and choice pansies filled out many cemetery orders. In most cases, the decking out of plants with ribbons, etc., curtailed their sale. "Fussy-looking" arrangements were passed by, beauty, natural and unadorned, being much preferred. Would this be called "the nude" in plants?

Prices were but little in advance of the usual Easter figures; sales about 25 per cent. to 50 per cent. additional in some instances. Several stores had annexes. Easter, 1903, was an actual record-breaker—one long to be remembered.

GROVE P. RAWSON.

SYRACUSE, N. Y.—Total Easter sales average greater. Prices were about same as last year, except on carnations, which were higher—$1.50 to $3.00 per dozen. The supply of plants was equal to the demand, save lilies—only one florist reporting enough of these. In cut flowers carnations were scarce. Violets were in demand but none were to be had without sending away for them. Palms and Boston ferns sold poorly. But nearly everything in flowering plants went well except spiraeas and cinerarias, which in this market seem to be "back numbers." In cut flowers everything sold well—daffodils better than formerly. Carnations were most in demand, but on account of the shortage and high prices the trade was shifted to bulbous stock considerably. Crimson Rambler roses led the hybrids. Baskets of miscellaneous flowering plants sold readily. An increased demand was apparent for flowering plants, especially for the cheaper ones.

L. E. MARQUISEE.

NEWARK, N. J.—Trade this Easter was better than that of last year, especially in plants. Azaleas sold very well, as did lilies and other seasonable stocks. Bougainvilleas are becoming favorites here. Cut flower business was fair, violets having a good call.

A. BERGEROW.

BOSTON.—Easter business this season proved very satisfactory to all concerned. Plant trade was enormous; with the growers everything that was in flower sold, and, this season, the day coming so late gave all a chance to have lots in bloom, so that all in all it shoud prove the most profitable Easter with the plant growers in recent years.

In cut flowers, too, the trade was immense, with carnations and violets at the head. Roses, however, never sold so poorly at Easter as this year. This remark applies to American Beauty and other colored roses, as well as to white ones. The supply of roses was very heavy. Bulbous stock, as usual, moved very slowly; but with these two exceptions the enormous quantity loaded upon this market on Friday and Saturday was disposed of with ease at equally as good figures as those of a year ago.

In roses, no advance in values was obtained, as early in the week it was seen that this stock was moving slowly; in fact, no advance was asked, most growers being satisfied could they dispose of all their cut at the prices that prevailed last week. General Jacqueminot, Ulrich Brunner and Souvenir du President Carnot, which were not very plentiful, sold out well; but American Beauty, Bride, Bridesmaid and others of the more plentiful kinds moved slowly.

Carnations cleaned up exceptionally well and the supply was very good, a few white ones being about the only things to be had at the wholesale markets Saturday evening. Good ordinary stock made $4.00 to $5.00 per 100, with extras and specials at $6.00 and even $8.00 per 100.

In bulbous stock no change in prices was realized on Von Sion and Trumpet narcissus, tulips or such stock. Lilies early in the week were held at $12.50 per 100, but by noon Saturday many were offered at $10.00. A little batch of L. candidum, of excellent quality, was brought in by Mann Bros. These sold very well at $4.00 to $8.00 per 100 flowers. Lily of the valley was in very good supply and sold pretty well at $3.00 to $4.00 per 100.

Violets were in great demand, especially, as the supply had shortened up somewhat, owing to the running out of the crop of Princess of Wales with many growers; 75c. per 100 was easily realized for good stock. Small bunches of sweet peas, pansies, Mayflowers, primroses, marguerites, etc., sold well.

There were few, if any, novelties in either plants or cut flowers.

This week business was fairly good Monday and Tuesday, but Wednesday it fell flat. Everything is in good supply and carnations are lower in price again, making $2.00 to $2.50 for the best of ordinary sorts, with the better kinds at $3.00 and fancies at $4.00 per 100. Roses are very plentiful and are moving slowly. Violets are selling well at 60c. to 75c. per 100. Bulbous stock continues in overstock, though not to such a degree as was the case two or three weeks ago, and values are about stationary. Quantities of stock were shipped to Newport, R. I., on Monday to be used in decorating for the Vanderbilt-Neilson wedding. F. J. N.

WORCESTER, MASS.—The florists of this vicinity had been anticipating a prosperous Easter, and with one or two exceptions their hopes were realized. One firm had the misfortune to leave windows open during the cold spell of April 5 and 6, and lost more than 200 pots of lilies and some other stock. Violets were scarce, but other flowers were in profusion, with prices about as usual. No specialties were introduced, regular work demanding all attention.

Potter & Cousins, of West Boyleston, only make a specialty of carnations and bedding plants. They report their trade as far ahead of last year's. Fisher & Son did not have as many flowers as usual. They have closed up their branch store and devote their whole time to their old stand, near the post office. The Boston Store (Denholm & McKay Co.) did not see much change as compared with the business done a year ago. H. F. Littlefield had a tremendous sale. He is reaching out more and more each year for church decorations and this season had ten to care for in addition to his greatly increased regular business. He also reports a large number of orders booked for Memorial Day.

Chas. D. Mackie was very much pleased with his first Easter season. He makes a specialty of house decorations for weddings and receptions. Quite a number of churches fell to his share and April 14 he decorated for a large home wedding. April 15 he moved into new quarters. F. D. Madans had a better trade than last year. H. F. Lange had an usually heavy sale. He had a number of churches to decorate. Barnard Sumner and Putnam Co. run a flower department in their large store, which is under the general supervision of one of the regular florists of the city. W. E. Sargent considered the trade about as last season. CAROLUS.

PITTSFIELD, MASS.—The prices for cut flowers were about the same as last year's, as was the amount of business done. The quality of the flowers was not so good, especially of roses, which were in great demand when good. Carnations sold best.

All blooming plants, if in good condition, sold well; not much call for palms was experienced. Japanese pot lilies sold well. I had some excellent L. Harrisii. In a general way I am inclined to believe that plants of every description, in good shape, sold readily.
JOHN WHITE.

NEW BEDFORD, MASS. — Easter trade was ahead of that of former years. The best selling stocks were carnations and lilies. The prices for the former were higher than those of last year.
W. S. BROWN.

NEWBURYPORT, MASS.—E. W. Pearson has a force of men at work clearing the land between his office and Marlboro street, and he will begin work at once on the erection of a new greenhouse which will be used exclusively to grow carnations. Later on he will build to the street with an office in front.

SOME OF THE ORNAMENTAL PLANTS SHOWN AT "THE ROSARY," NEW YORK.

LEOMINSTER, MASS. There was an increase of 20 per cent. on the sale of lilies over last year's. Bulbous stock was not in great demand. Carnations, retail, brought 75c. to $1.50 per dozen for fancy flowers. Lilies realized 20c. to 25c. per bud or bloom. Crimson Rambler roses realized from $2.00 to $3.50 each.
J. FULLER.

PROVIDENCE, R. I.—For a week preceding Easter there were constant weather uncertainties, and even at this date the rain and chill remind us of the narrow escape from a repetition of the past two years at Eastertide. But this time we had a glorious two-days' feast of sunshine and warmth, and everything moved smoothly, especially the deliveries.

Violets were a vexatious problem with a great shortage and a clamoring demand. These flowers fetched 75c. and $1.00 per hundred, wholesale, for poor stock, and sold for twice that figure at retail.

Carnations cost the trade 3c. and 4c., and sold at 75c. and $1.00 per dozen. The quality was generally good on a short cut. Roses were in full crop and, strange to relate, there was a quantity left over on some growers' hands, and the stores found no difficulty in obtaining full supplies of Bride and Bridesmaid, which realized $1.50 to $3.00 per dozen.

Next came the bulbous flowers. Made up in pans they find considerable sale, but the people overlook them as a cut flower product. Alney had a beautiful lot of tulips and daffodils, grown well, but for all that the public balked at buying them.

Hoffman grew fewer of them this year and perhaps is thus open to congratulation. Anyway, these flowers were quoted at 2½c. and 3c., and brought 50c. to 75c. per dozen for what were sold. Good white tulips were scarce.

Lilies were completely used up at 10c. and 12c. per bud, and the demand exceeded the supply. Perhaps lilies gave the most satisfaction of anything handled this Easter.

The department stores made desperate efforts to obtain a business in flowers, and cut each other. Meanwhile the industrious, fair-minded retail florist is obliged to suffer in mind and purse, only waiting for the time to come when the growers will cut each other in bidding for this outside business. C. S. M.

WOONSOCKET, R. I.—Easter trade this year was better than ever before, with prices about 40 per cent. higher than last year. Every florist in this city sold all his stock and had to get flowers from Boston wholesalers to fill orders. Carnations brought $1.00; single tulips, 65c. to 75c.; double tulips, $1.00; cut hyacinths, $1.25 per dozen. Roses sold for $2.00 to $2.50 per dozen for ordinary stock. Callas went at from $2.50 to $3.00 per dozen; L. Harrisii in pots at 20c. to 25c. per flower and bud; cut lilies at the same prices. Tulips, hyacinths and Von Sion narcissus in pots sold at about 25 per cent. better prices than those cut and sold by the dozen. There were no novelties offered this year.
THOS. H. GREENE.

NEWPORT, R. I.—Easter trade this year was ahead of that of all previous years, both in quality and quantity of stock. Pot plants sold much better than formerly. Lilies were all sold out on Saturday night, realizing 25c. per bloom or bud. F. L. Zeigler's store was packed to overflowering all Easter week; he cleared out everything excepting a few azaleas and genistas. His Crimson Rambler roses were a fine sight; he handled most of the plants sold in town. Bulbous stock went slow at first, but finally cleared out in fine shape. Cut flowers sold well, especially lilies and carnations.
T. F.

HARTFORD, CONN. — Easter trade was far ahead of that of last year or any previous year, and the amount of business done compared with last year was perhaps 25 per cent greater. We had ideal weather. It was indeed a plant year, and the trade in that respect seems to be growing yearly. Lilies and azaleas were perhaps the best selling plants. The former sold for 20c. a bloom almost everywhere, and the plants averaged in price from 75c. to $1.50 each, some selling at $2.00 each. Azaleas brought from $1.50 to $5.00 each, the medium-priced ones going best. Tulips in pans also sold well, at from 75c. to $1.50 a pan. Genistas and spiræas did not seem to go as well as in former years, although there were some very good specimens of each to be had. The former brought $1.00 and $1.50 each, the spiræas from 50c. to $2.00 each. There was also a good demand for hyacinths in pots and pans. They brought, in pans, from 50c. to $2.00 each, and a single bulb in a pot 25c. each. Daffodils in pans sold well at 75c. and $1.00 a pan. There were but few Crimson Rambler roses in the market; they sold well at from $2.00 to $5.00 each, and were good specimens. But little call was experienced for hydrangeas, rhododendrons or lilacs, and there was but a limited supply of these, but it was plenty large enough for the demand. There was a number of calls for small plants, and many small cineraria plants were sold for 25c. each, geraniums and heliotropes at 10c. to 25c. each.

In the cut flower line perhaps the largest call was for carnations and violets. The former were very scarce, consequently the prices were somewhat high, and many customers bought bu flowers rather than pay the prices for carnations. The commoner var of the latter brought $1.00 a dozen, Mrs. T. W. Lawson, Prosperity and others realized $1.50 a dozen. V were rather poor in quality, mar them being small and light in caused by the warm weather prec Easter; they brought $1.00 a hun Roses sold well, the call being for and Bridesmaid, which were very f quality, and sold at from $1.00 to $ dozen. There was a good demand f kinds of bulbous flowers, of which was a good supply. Daffodils, tulip Roman hyacinths sold for 50c. a lily of the valley 75 cents a dozen mignonette at from 50c. to $1.00 a
J. F

CROMWELL, CONN.—Compared one year ago, the Easter trade o ran considerably ahead. There v very heavy shipment of lilies and a ter prices than were obtained last There was a better demand for l the valley of the best quality, abou 000 being shipped during the week ceding Easter. Violets had a larg but owing to the unusually warm w of the past month these flower been forced along so fast that the ply was nearly exhausted by E Roses were, as usual, in good dema fair prices, ranging about the same year ago, and the supply was su to fill all orders, although the house cut to the limit to meet the require Carnations seem to be increasing in larity every year, especially the varieties. The sales were far in of those of one year ago, althoug supply was much below the de There was a large sale of Crimson bler roses and at better prices tha merly, everything in this line bein posed of.

The new electric light plant ha completed and was found very s able before Easter, when the p rooms were run all night to fill the for the early morning trains. It necessary at this day to say anyt the convenience of this method of ing. And when the matter of sa considered, owing to the absen matches and the dangers that attend the use of kerosene, there is ng to compare with it in a large house plant.

The shipment of grafted rose which was somewhat delayed duri Easter rush, has been very activ week, about 50,000 plants having acked and started for their vario tinations.

NEW HAVEN, CONN.—The Easter was one of the best in years, with good prices and a lar mand for pot plants, lilies leadi azaleas a good second. There fine lot of tulips, hyacinths and sus in pans, for which there larger call than in former years. well-grown Crimson Rambler ros well. Roses, carnations and vio cut flowers sold well; violets wer in supply and commanded good Champion, Munro and Moore had church decorations. Prices were the same as last year's—carn 75c. to $1.50; roses, $1.50 to $3.00 cissus, 75c. per dozen. W.

SYRACUSE, N. Y.—Glorious w Saturday and Easter Sunday help florists clean out pretty thor Trade was about 25 per cent. large last year's. Pot plants were in go mand. Azaleas sold well, as did well-done Crimson Rambler roses. only thing in the way of novelties some pretty baskets filled with and bulbs by Quinlan & Co. Lilie very scarce—not nearly enough of to go around—the disease has raised and some growers declare they wi up the attempt to grow lilies a year. Cut flowers were very high- which made the call for them shorter than usual. Many purc contented themselves with a flo plant instead. Azaleas had the firs roses second. Potted bulbous stoc very well.

In cut flowers, carnations were n demand. Roses sold fairly well. were scarce. Bulbous flowers of all were plentiful and prices of pot were about the same as in previous of cut flowers, about 50 per cent. than ever before; that is, for roses nations and violets. The following prevailed generally: Cut flowers, can Beauty roses, $9.00 to $24. dozen; Bride and Bridesmaid, $3 $5.00; Perle des Jardins and Sunset, to $4.00; Meteor and Liberty, $2 $4.00; carnations, $2.00 to $3.00, n less than $2.00 per dozen; lily of th ley, $1.00; daffodils, $1.00; tulips, violets, $3.00; hyacinths, cut, $3. dozen.

Pot plants—Crimson Rambler $1.50 to $5.00 each; azaleas, $1.50 to hydrangeas, $1.00 to $5.00; spiræa to $1.50; hyacinths, 25c., and lilies up.
B

ELIZABETH, N. J.—Easter trad year was at least 20 per cent. bette last, with a greater demand for blo plants of all kinds, at a good fair Azaleas proved the best selling st
JOHN WH

WINDOW DISPLAY OF "THE ROSARY," FIFTH AVENUE, NEW YORK.

LADELPHIA.—The general ver- of both growers and retailers Easter business is that it was satisfactory. We have heard year that this one did 20 per cent. , the other one 10 per cent. bet- nd so on; but, leaving out actual s, there is no doubt the volume of ess done is annually slowly in- ing. It is clearly evident that before were so many plants in sold around this city than last It really causes one to stop and of the vast resources that are us, after visiting the florists' and viewing their immense dis- , also the large quantity of stock at the seed stores and the large tment stores. Then, as you go d the city and see every avail- empty store, either in use by a er for a delivery store, or occu- by a grower retailing his surplus , the amount thus offered was nous, and you wonder where it all go to. On Friday and Satur- housands of plants were seen on idewalks; all cheap stock most would say. But no! Plants were that retailers were looking for on sday. I, myself, saw two rhodo- ons, one of them fit for any re- store; so, evidently, most of this was bought early in the week, as bad weather started Saturday noon, much of it remained unsold. he retail stores sold out well, of them even had to stop selling s by 6 p.m. Saturday, and to put entire force at the cut flower s. Owing to the fact that a lot of ng orders were booked for this , several retailers had growers re- plants for them for delivery. g the growers, it is learned that ents of plants to New York were than usual this year, but many were sent West and South than evious years.

cut flower business was also very There was a slight scarcity of tea roses. Carnations and good s were also scarce, everything being in sufficient supply for all nds.

bad weather on Easter Sunday very disastrous to the florists at eashore. One retailer at Atlantic told me that his receipts were on Saturday and only $200 on ay, against $1,100 last year; and of the stock was an entire loss. weather has been bad ever since. large amount of stock offered this proved detrimental to many small s, as there was lots of cutting of s late on Saturday.

ists around the cemeteries did o so well this year, as the bad weather on Sunday kept a great many cash customers away.

The display of bulbs in Independence Square is now very good, and worth going to see. The bulbs were all supplied by Henry F. Michell; and he has already received several letters complimenting him on the excellence of the stock.

The seed houses of this city are all well pleased with business so far. The season is a good one. High prices on many things have tended to turn people's attention to other seeds on which the margins of profit are better.

DAVID RUST.

PHILADELPHIA, PA.—John Welsh Young will build two greenhouses, each 100x22½ feet.

OMAHA, NEB.—Easter trade this year was the best we have ever had. Some of the florists report a third more business than in previous years, but take it all through, we might say it was 20 per cent. better than last year's. The weather was a great help, as we had the nicest Easter week for many a year. It made the lilies come out in good shape. Cut flowers were plentiful, especially roses. Stock was good this year and brought good prices. Some lilies were shipped to and sold at one of our department stores for 15c. a blossom, although they were not worth 10c. The regular florists sold all their lilies at 25c. a flower; some reductions were made to churches. Azaleas went well. Hyacinths sold likewise; and good cinerarias went like hot cakes.

In cut flowers, roses sold at $1.00 to $1.50; American Beauty at $2.00 to $8.00 per dozen; carnations, 75c. to $1.00 per dozen. Bulbous stock was more in demand than at any Easter in the last ten years; in fact, all the season it has sold out every day. Violets and lily of the valley did not sell as well; the price of violets was too high for the quality.

The florists did themselves proud this year in making fine window displays. S. B. Stewart had his window banked with lilies and an assortmet of cut flowers. A. Donaghue's window showed a nice lot of azaleas, lilacs and cinerarias, very nicely arranged. Peterson Bros. had a fine lot of lilies, hyacinths, bunches of daffodils and tulips. Arnold showed a variety of cut flowers. L. Henderson had his window packed with baskets of cut flowers and plants, very attractive. Hess & Swoboda displayed large bunches of long-stemmed American Beauty roses; potted plants of all descriptions—blue and pink hydrangeas, azaleas, cinerarias, etc.

Hess & Swoboda are finishing a 200x24-foot rose house for early planting.

A. Donaghue is putting in a new large boiler and intends to enlarge his plant this season.

J. J. Hess will leave for Europe June 18.

GRIPPE.

WASHINGTON, D. C.—Easter business this year did not much exceed that of last season; large and expensive plants did not go so well as last Easter. Carnations were very scarce, the poorest realized $1.00 per dozen, the best bringing $[illegible].00. Roses had no great call. All the available bulbous stock was disposed of. Violets were very scarce and of poor quality. Lilies sold readily at $[illegible].00 per dozen, and twice as many were disposed of as last year. A much larger number was grown. Rain began to fall Friday evening and continued until Easter Sunday morning. The [illegible] florists report a good business.

C. W. W.

WATERBURY, CONN.—The amount of Easter business done was almost double that of last year. Plants sold better by far than cut flowers. Carnations were scarce; roses in good crop. Of lilies we had plenty. The largest sales in plants were of lilies; second, bulbous stock, which went well. Large quantities of daffodils, tulips and hyacinths were disposed of. Azaleas sold well also; Crimson Rambler roses fairly well. There were very few violets; pansies took their place to some extent. Hydrangeas go slow here.

A. DALLAS.

WINDOW DISPLAY OF THOS. YOUNG, JR., FIFTH AVENUE, NEW YORK.

ROCHESTER, N. Y.—Never have the florists here had so good an Easter trade as this year. They anticipated a large demand and were prepared for it. H. E. Wilson said, in spite of the fact that he had twenty-three clerks at work, men and women would come in and take the flowers away without even waiting for them to be tied up. He ran out of cut stock. Carnations sold at $1.50; roses, $2.00 to $3.00; American Beauty, $8.00 to $12.00, and Ulrich Brunner at $6.00. Violets brought $2.00 and the supply was far too short.

J. B. Keller's Sons had an immense sale of hydrangeas and an extra demand for violets. They sold carnations at $1.00 to $1.25; roses at $2.50 and up, and American Beauty at $7.00 to $10.00. They are looking forward to the best May and June trade they ever had.

E. R. Fry Florist Company had an annex and sold almost everything in both stores after replenishing the stock from the greenhouses half a dozen times. The sale of lilies led, with a spirited demand for azaleas, and pans of half a dozen hyacinths at $1.50. American Beauty roses sold in larger quantities than usual at $10.00.

Salter Bros. sold over fifty thousand violets at $2.00 a hundred and could have sold more if it had been possible to get them. The only really new thing was the blue hydrangea that sold at $4.00, and every plant was disposed of. Heaths and deutzias in pots sold in larger quantities than usual; also American Beauty roses, which readily brought $10.000.

C. P. W.

AUBURN, N. Y.—Everything sold out for Easter, the demand exceeding the supply. The call for potted plants was extensive, azaleas being the most popular. Our florists did better this Easter than ever before. John A. Kraus reports business beyond his expectations. He has just installed a handsome refrigerator made of tile and plate glass. He reports an amusing incident which occurred Saturday. One of the florists, having a surplus of plants, placed them on sale in a drug store window, and the opportunity was seized upon by Mr. Kraus, who purchased the plants at retail prices. They brought double at his own store. Roses were sold at $2.00 and up; carnations, 75c. and up; violets, $2.00 a hundred; Harrisii lilies, 20c. per bloom; callas, $2.50 a dozen; daffodils, 75c. a dozen; tulips, same price. J. A. K.

ALBANY, N. Y.—The Easter business this year was characterized by great activity and universal demand. The business was too great to be handled to the best advantage. Stocks of plants in the various stores were in great profusion, but all customers could not be properly taken care of, as so many do not look to buy until Saturday. Azaleas and Crimson Rambler roses were about the best selling plants among the higher priced ones. Hyacinths and tulips, for the cheaper plants, were most in evidence. Carnations in cut flowers were scarce; many more thousands could have been sold if good flowers could have been procured when the demand came. Everyone did well and everyone is satisfied.

W. BROS.

COLUMBUS, O.—Our trade during Easter week was larger than in former years. Plants in general sold well. Lilies were very scarce and we were sold out two days before Easter. There were nothing new in the flower line this season, but plenty of good stock, both in cut flowers and plants. Prices were lower on the average than in former years, but the increased demand made up the shortage. We were fortunate in having all our own stock, thus putting us in fine shape to meet all demands.

THE LIVINGSTON SEED CO.

LOUISVILLE, KY.—Local reports show that Easter trade equalled last year's in volume—perhaps a little better. The demand for good plants was excellent. Bulbous stock was not very satisfactory; what came into the market was so far advanced as hardly to hold until Easter day. Such growers as disposed of their entire supplies of bulbous stock were fortunate. Some good hydrangea plants were shown by several dealers. In cut flowers, lilies were in greatest demand, with roses and carnations following closely. The call for violets was very good, but as the supply was nil, the demand cannot be counted.

Prices realized were about the same as last year, except on lilies, on which the figure was advanced. The weather conditions for the proper handling of Easter trade were bad. It rained Friday afternoon and Saturday morning, and again Sunday afternoon. A. R. B

NORFOLK, VA.—Easter trade here was very brisk. The changeable weather before Easter caused lots of trouble. Some of the bulbous stock, such as hyacinths, was too long in the stems. The prices were 5 per cent. higher than those of last year. Some of the finest displays were shown by Lloyd Blick and Auman. These gentlemen had very fine lilies, hydrangeas, as well as roses and carnations. In general, there was the same common stock on market that one could have got in New York and Philadelphia more than fifteen years ago.

OBSERVER

BIRMINGHAM, ALA.—Easter weather was ideal. Extra early Spring brought out large quantities of hardy flowers—snowballs, wiegelias, spiræas, violets, dogwood, and wild honeysuckle. But for this, the supply of cut bloom would have been far short of the demand. As it was, carnations led in the race for public favor. Harrisii lilies were short in supply. Prices ranged about the same as last year, and total sales about 25 per cent. more. All here claim the best Easter trade ever experienced. LINDSAY.

KNOXVILLE, TENN.—Easter trade was at least 25 per cent. better than last year's. The best selling stocks were carnations of all colors, American Beauty, Bride and Bridesmaid roses, Lilium Harrisii, lily of the valley, hyacinths, jonquils, etc. In plants, lilies, azaleas and spiræas sold well. Prices were firmer and the supply plentiful.

C. W. CROUCH.

TOPEKA, KAN.—Trade was about ten per cent better than for last Easter. Lilies went rather slow, prices being higher. Carnations sold best in cut flowers at $1.50 per dozen. Potted plants, such as hyacinths and other small plants, went well. JAS HAYES.

THE LATE ARCHIBALD F. BARRON.

(See Obituary, p. 455.)

JACKSONVILLE, FLA.—The volume of our Easter business was about the same as last year's, but under last year's conditions would have greatly exceeded it. This year Easter came so much later; then we had an unusually mild Winter and outdoor flowers were abundant, consequently a great many people who last year had to buy of the florist made out with what they had in their yards or could get from their neighbors. Such being the case, we feel very much gratified with our sales. We had no novelties, but sold largely in potted plants, azaleas, hydrangeas, callas, L. Harrisii, double petunias, of which we had a fine lot, well grown in 6-inch pots, and geraniums. In cut flowers, carnations, callas and Harrisii lilies were most in demand. We are pleased to note a great improvement in the appreciation of, and demand for, nice flowers and plants for Easter, and considering the quantities of outdoor-grown, common flowers usually to be had in greater or less supply, owing to the season, we think the florists have little to complain of as regards Easter business. C. D. MILLS.

READING, PA.—Everybody reports a good Easter trade, selling out clean, plants being most in demand. Prices were about the same as last year's, except for lilies, which this year brought 15c. and 20c. The department stores here are hurting legitimate trade; they sold lilies at 10c. and 12c.; azaleas and hydrangeas at 49c., and other stock in proportion, at wholesale prices. No novelties were in evidence. IRVING H. ANDERSON.

Canadian News

TORONTO.—Easter, 1903, has kept up the standard of the regular increase in the florists' business here. There appeared early in the week to be a scarcity of some lines of stock, but an immense quantity was brought into the city and sold. The retailers all agree that they handled more stock than ever before. All, or nearly all, of the principal stores of the city in every line of business appeared to be using plants or cut flowers for decoration; and on Saturday in the florists' stores there was an immense quantity of both plants and cut flowers. Lilies, both Harrisii and longiflorum, were to be seen everywhere, and they sold at about all prices, from 6c. to 35c. per bloom. The good stores getting the big prices were about sold out, while several of the others had still some on hand. Azaleas were the next favorite plants; a great many of these were disposed of and generally at good prices. Rhododendrons were offered in limited quantities, but did not sell very well. Hydrangeas were a better article for the public, but the plants were not all sold. Genistas were also offered, but are too well known to find much favor with buyers. Spiræas were not so plentiful as in former years, and most of those offered sold fairly well. Some good H. P. roses were offered and generally sold well. C. Tidy had some very nice ericas, but they were high in price and did not clean up. Quite a number of small palms were sold; and there were not enough good small ferns to supply the demand. Pans of hyacinths, narcissus, lily of the valley and tulips all sold fairly well. Quite a few lilacs were offered, but did not go well. Cinerarias, primulas, mignonette and wallflowers were in smaller quantities than usual; geraniums were not seen at all. Only a few Crimson Rambler roses and bougainvilleas were in; also a few orchids. Tidy had in his window a fine specimen of Laelia purpurata with about thirty flowers on it. Dunlop had a fine specimen of Cymbidium Lowii with fine sprays, and Hill had a fine piece of Cattleya Trianæ. Calla lilies were not plentiful, and there was not much call for them.

PIERSON FER
Now ready, good young plants. Bench
now, they will pay big profits this Fall.
SHRUBS, home grown, freshly dug
mouldy cellared stock. Send your list q
we have large stock.
Webster Bros., Plantsmen, Hamilton, Ca
Mention the Florists' Exchange when wr

In cut flowers, American Beauty were scarce and retailed at from 5c. to
each for good stock. The demand
outside points for all roses was
heavy and could not be filled, som
our large wholesalers having to refus
ders from some of their best custor
Dunlop's retail stores would have
very short had it not been for the
obtained from local growers. Carna
were also scarce, generally bringing
prices. Violets were very scarce,
lily of the valley were fairly plen
Tulips, double daffodils, hyaci
daisies, cut callas were abundant,
sold in large quantities.

Taken altogether, there was a
large quantity of cut flowers offered,
though they were not all sold out,
trade say the season is by far the
they have seen. Most of the ret
say the demand for good plants i
creasing, and some state that cut fl
will not stand a rise in price at Ea
still the poor hard-worked grower
determined to put up the price as
retailer is to put it down at whol
in seasons of plenty. That all may
a share of the good things, is the wi

THOS. MANT

OTTAWA.—The weather, business
everything connected with Easter
the record. The supply of plants
the best ever seen in Ottawa and e
thing sold out. There was a gran
of azaleas, and most of them in the
of condition, the only ones unsold
a few very large specimens. The av
price was $1.50 to $5.00. C. Scrim
a batch of the dwarf azalea, which
at sight. Of lilies there was a good
ply, many fine ones and some poor.
sale was good and the prices from
to $2.00. All in good condition
Spiræas were very fine, averaging
each. Acacia armata was especiall
and sold to the last one. The foliag
good house quality of this plant is e
to sell it. Some fine standard
brush plants sold well, but a li
quantity of these is sufficient. The
was for anything in the shape of a
Scrim had some good American Be
which sold at once, hybrid roses
the same way. What few Ramblers
in, sold. Lilac went slow; although
were some fine plants they were a
too bulky for the average buyer.
erarias were good and sold well.
bous stock was also cleaned out.
sold slowly.

The demand for cut flowers was
brisk, roses and carnations being
out early in the evening of Saturday
everything in the way of bulbs
a little later. One florist cut his
Dutch hyacinths to fill the gap. The
ply of carnations and roses was plen
and the stock of fine quality. Carna
averaged $1.00; roses, $2.00. Lily o
valley was plentiful, good, and sold
Murillo tulips were snapped up.
had a great window display of box
these tulips and lily of the valley.
lets were not plentiful, Graham
having the monopoly of these.
were some good church decorations,
being very effective of fine lilies in
papered and tied with ribbon,
enough palms interspersed to break
stiffness.

All our florists report an increase
per cent. in sales, and unanimously a
that it was the greatest floral E
ever seen in Ottawa.

HAMILTON.—From all reports
amount of business in every inst
showed an improvement upon fo
years. The demand was unusually b
everything in cut flowers was cleaned
Plants were very plentiful, but very
were left over. Prices seemed to a
age about the same as last year's.
the first time in several years there
a full supply of lilies; the retail
was about 12½c. per bud or flower.

There was a great display of plant
the Central Market. The weather
mild and partly fair; and a lot of s
was cleared off.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.
WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fi
direct to the plants; it is strong and equally effective in doors or out for extermination of
plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you w
pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

MONTREAL. The florists have no cause for complaint as regards Easter trade, on the contrary, all the storemen report having sold out all their stocks. The remnants consist of poorly-flowered plants, or bulbs in pots. The buyers' taste was invariably for plants, and choice well-grown stock sold on sight. There were just about enough lilies to go around, those Montreal-grown being far ahead of the Western plants. Real good spiraeas sold well; Crimson Rambler roses fairly well. There was a brisk demand for bulbs in pots. Hybrid roses, when done well, sold splendidly; also hydrangeas. There was no call for lanky stock of any kind; the public know a good plant and will not have any others.

Roses, carnations, daffodils, tulips, lily of the valley and mignonette were cleaned up completely, especially carnations, these latter selling at a good price.

The weather was grand for delivering, and there were no complaints in this respect. It was noticed, however, that one or two florists delivered their lilies packed pot to pot in their wagons, which means that a good many people received bruised and battered flowers, which certainly cannot be very good for trade.

Wilshire Bros. handled a very fine stock of pot plants and cut flowers, and report largely increased sales over last year. Joseph Bennett had the finest lilies and Crimson Rambler roses, and he reports a splendid trade all around. C. Campbell carried an immense stock and reports good business.

Prices per 100 were: Roses, American Beauty, $10.00 to $30.00; Liberty, $6.00 to $15.00; Bridesmaid, $4.00 to $10.00; Bride, $4.00 to $10.00; Meteor, $4.00 to $10.00; Sunset, $3.00 to $8.00; carnations, $2.00 to $5.00; lily of the valley, $1.00 to $3.00. Violets were out of the market. Daffodils brought $2.00 to $3.00; callas, $8.00 to $12.50; longiflorum lilies, $8.00 to $10.00; Asparagus plumosis, 75c. per string. W. C. H.

FREDERICTON, N. B.—We had all the Easter business we could attend to, shipping many orders for plants and cut flowers, some as far away as Quebec. Azaleas sold best in plants. In cut flowers roses brought $2.00 to $3.00; carnations, 50c. to $1.00 per dozen; lily of the valley, $4.00 per 100; violets, $2.00. The weather was favorable, conducing to the best Easter business we have experienced.

J. B. & SON.

Hamilton.

Club Meeting.

The club will meet on Tuesday, 21st inst. Arrangements are making to have Roderick Cameron, of the Queen Victoria Park, Niagara Falls, address the meeting upon the subject of perennials. It is sure to be of great interest, as Mr. Cameron is an authority on the subject. It is intended to invite the members of the Horticultural Society, and a full house is expected.

BEAVER.

The AMERICAN CARNATION

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The American Carnation | How To Grow It

A Standard Work Written by Request of the Publishers of the Florists' Exchange.

By C. W. WARD

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History and Development of the Carnation—The Carnation in America—The Commercial Importance of the Carnation Industry—The American Carnation Society—Use of Carnations as a Decorative Flower—General Greenhouse Culture—Soils—Manure and Fertilizers—Propagation and Shipping of Young Stock—Treatment of Young Stock preparatory to Planting Out—Field Culture—Lifting and Planting Carnations from the Field—Treatment after Benching—Picking, Packing and Shipping Carnation Flowers—Insects and Preventives—Diseases and Injuries—Packing and Shipping Field-grown Plants—Forcing Houses for Carnations—Bench Construction—Sub-irrigation—Heating Carnation Houses—Carnations for Summer blooming—Bedding and Hardy Carnations—Carnations for Pot Culture—Raising Carnations from Seed—Cross breeding and Fertilizing—Varieties—Sports and Variations—The Ideal Carnation—Traits and Peculiarities—Various Classifications of the Carnation—List of Varieties for Different Localities—The Future of the Carnation—Its Commercial aspect and Prices—Who shall engage in Carnation Growing—Does it Pay to do things Well—Calendar of Operations—Carnations in California, Canada, in the West, the East, the South.

It will at once be seen that a work of this nature should be in the hands of every florist and others interested in the subject who desire to keep abreast of the times, and to make the growing of carnations, by the most modern methods, a profitable part of their business.

The Book is profusely illustrated by original engravings from life made specially for this work, with four colored plates. Handsomely printed from large, clear type on fine enameled paper. Quarto, cloth. Price, $3.50.

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Ivory	1 00	9 00			

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1224 CHERRY STREET, PHILADELPHIA
Mention the Florists' Exchange when writing.

Our growers will have everything in the w
Flowers and Plants for Easter. Fine Lily
Azalea Plants.
GIVE US A TRIAL ORDER.

New York Florists' Club.

A very gratifying post-Easter attendance graced the inaugural meeting in the new club rooms, which certainly are first-class in every respect. They are located in the Grand Opera House building, corner of Twenty-third street and Eighth avenue, easily accessible from all ferries and railroad stations.

Not much business was before the club. The committee on donating prizes for the forthcoming show of the Chrysanthemum Society of America recommended that the club offer as premiums, to be competed for by members of this club only in a class for best 25 blooms, in five varieties, five blooms of each, on stems not less than 24 inches long, $25.00, $15.00, and $10.00. The recommendation was adopted.

An appropriation of $200 was voted to cover all indebtedness in connection with prizes at the late show. Mr. May made a donation of $50.00 to the Guarantee Fund, receiving the thanks of the club therefor.

The death of James W. Withers, of American Gardening, having been reported, President Troy appointed Messrs. De La Mare, Wallace, and O'Mara as a committee to draw up suitable resolutions of condolence to be sent to the bereaved family.

Mr. Wallace gave a brief account of the work of the Executive Committee at Milwaukee last month and referred to the great enthusiasm prevailing throughout the entire West relative to the coming S. A. F. convention. He spoke of the hospitality of the Chicago and Milwaukee brethren, and predicted the largest trade exhibit and meeting in the history of the S. A. F., for which the Exposition Building provided ample accommodation. The bowling feature, and the elegant equipment in the Cream City for a large contest, were also touched upon.

The president appointed as a committee on transportation to Milwaukee, Messrs. May, Sheridan, and Butterfield. Mr. May spoke of the desire of the Detroit delegation to have the Eastern members join them at their home city and travel via Bay City, then across the lake to Milwaukee—a route that received the endorsement of several of the members present. It is believed that the Western delegates may also elect to travel by water from Chicago to the convention city.

A few blooms of a rose named variously No. 19 and Mrs. Westinghouse were on exhibition. It was stated that a belief was prevalent that the variety was Killarney, but no corroboration of this was forthcoming at the meeting.

Joseph Millang, manager of the New York Cut Flower Co., was proposed for membership.

Providence, R. I.

Easter Echoes.

Business aggregated much larger than Easter, 1902.

T. J. Johnston heavily stocked up on budded azaleas and hired the adjoining store to accommodate his display.

Keller made a tasteful display, shown to good effect.

Messrs. O'Connor and Kelly handled big crowds at their greenhouses on the previous Sunday.

Macnair had a heavy display of pot stock and made splendid preparations for the crowds; but he is handicapped for show room.

Crawshaw did a wholesale business on potted bulbs. His lilies were well grown.

A visit among the trade after the rush showed the usual haggard looks and nervousness and prompts me to say that the game is not worth the effort put forth at present profits.

It might be well for us to look into the matter of lightening the worry at least and finding means to adjust the profits according to the extra labor.

C. S. MACNAIR.

BEAUTIES, LIBERTIES, VALLEY
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HEADQUARTERS FOR
Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.
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Wholesale Prices of Cut Flowers—Per 100

Names and Varieties			Boston Apl. 1, 1903	Phil'delphia Apr. 14, 1903	Baltimore	Buffalo Apr. 14, 1903	Pittsburg Apr. 13, 1903
Roses	A. Beauty, fancy—special		35.00 to 40.00	...... to 50.00	...... to	25.00 to 35.00	30.00 to 40.00
	"	extra	..... to 25.00	...... to 40.00	...... to	15.00 to 20.00	20.00 to 25.00
	"	No. 1	12.50 to 16.00	20.00 to 30.00	...... to	10.00 to 12.00	10.00 to 15.00
	"	Culls and Ordinary	3.00 to 8.00	10.00 to 15.00	...... to	4.00 to 8.00	2.00 to 5.00
	Queen of Edgely		8.00 to 40.00	10.00 to 40.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		...... to 12.50	...... to	...... to	12.00 to 15.00	...... to 10.00
	"	extra	8.00 to 10.00	12.00 to 15.00	...... to	8.00 to 10.00	..... to 8.00
	"	No. 1	...... to 6.00	8.00 to 10.00	...... to	6.00 to 8.00	4.00 to 6.00
	"	No. 2	2.00 to 4.00	6.00 to 8.00	...... to	4 00 to 6.00	2.00 to 3 00
	Golden Gate		...... to	10.00 to 15.00	...... to	4.00 to 10.00	..... to ......
	K. A. Victoria		...... to	..... to	...... to	6.00 to 12.00	2.00 to 8.00
	Liberty		...... tc	20.00 to 40.00	...... to	4.00 to 15.00	4.00 to 10.00
	Meteor		...... to	8.00 to 15.00	...... to	3.00 to 12 00	4.00 to 6.00
	Perle		...... to	8.00 to 12.00	...... to	4.00 to 8.00	3.00 to 6.00
ORCHIDS—Cattleyas			...... to	...... to	...... to	...... to	...... to ......
	Cypripediums		...... to	...... to	...... to	...... to 20.00	...... to ......
Carnations	Inferior grades, all colors		.50 to 1.00	...... to	...... to	...... to	1.00 to 1.50
	Standard Varieties	White	...... to 1.50	2.00 to 3.00	...... to	2.00 to 3.00	1.50 to 2.00
		Pink	...... to 1.50	2.00 to 3.00	...... to	2.00 to 3.00	1.50 to 2 00
		Red	...... to 1.50	2.00 to 3.00	...... to	2.00 to 3.00	1.50 to 2.00
		Yellow and var.	...... to 1.50	2.00 to 3.00	...... to	2.00 to 3.00	1.50 to 2.00
	*Fancy (*The highest grades of Standard var)	White	2.00 to 2.50	4.00 to 5.00	...... to	3.00 to 5.00	3.00 to 5.00
		Pink	2.00 to 2.50	4.00 to 5.00	...... to	3.00 to 5.00	3.00 to 5.00
		Red	2.00 to 2.50	4.00 to 5.00	...... to	3.00 to 5.00	3.00 to 5.00
		Yellow and var.	2.50 to 3.00	4.00 to 5.00	...... to	3.00 to 5.00	..... to ......
	Novelties		3.00 to 4.00	..... to	...... to	...... to	...... to ......
Adiantum			...... to 1.00	...... to 1.00	..... to	.75 to 1.25	1.00 to 2.00
Asparagus			25.00 to 35.00	25.00 to 50.00	...... to	20.00 to 50.00	20.00 to 50.00
Callas			8.00 to 10.00	...... to	.. ... to	8.00 to 12.00	6.00 to 8.00
Chrysanthemums			...... to	...... to	...... to	...... to	..... to .....
Daffodils			1.00 to 1.50	2.00 to 3.00	...... to	2.00 to 3.00	2.00 to 3.00
Daisies			...... to	...... to 1.50	...... to	...... to	1.00 to 2.00
Galax Leaves			...... to	...... to .10	...... to	...... to .20	..... to ......
Hyacinths			1.00 to 4.00	...... to	...... to	2.00 to 3.00	3.00 to 5.00
Lilac			..... to	...... to 10.00	...... to	8.00 to 10.00	...... to 10.00
Lilies			6.00 to 10.00	...... to 12.50	...... to	12.00 to 15.00	6.00 to 12 00
Lily of the Valley			2.00 to 3.00	3.00 to 5.00	...... to	3.00 to 5.00	3.00 to 4.00
Mignonette—Ordinary			1.00 to 2.00	...... to 3.00	...... to	1.50 to 2.00	1.00 to 1.50
" Fancy			3.00 to 4.00	..... to 4.00	...... to	2.00 to 4.00	2.50 to 3.00
Narcissus			1.00 to 1.50	3.00 to 4.00	...... to	...... to	1.00 to 3.00
Smilax			12.00 to 15.00	12.50 to 15.00	...... to	15.00 to 20.00	15.00 to 18.00
Stevia			...... to	...... to	...... to	...... to	..... to ......
Sweet Peas			...... to 1.00	...... to 1.50	...... to	.75 to 1.25	.75 to 1.00
Tulips			1.50 to 4.00	3.00 to 5.00	...... to	2.00 to 3.00	2.00 to 5.00
Violets			.50 to .75	.75 to 1.00	...... to	.30 to .75	.75 to 1.50

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PROPRIETORS
CITY HALL CUT FLOWER MARKET,
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Asparagus Plumosus
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American Beauties

Kaiserins
Meteors
Carnots
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Valley
Carnations

Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

Cleveland.

News Jottings.

Last Saturday night, while returning home from market, the wagon belonging to Caspar Aul was struck by a street car and badly smashed. Both Mr. Aul and the driver were thrown out, the former receiving injuries which will confine him to his bed for a few weeks. The horse escaped unhurt.

H. Perry Brush, the scientific ventilator man, was a recent caller, and from reports some greenhouses in this vicinity will be equipped with automatic ventilators next season.

Harry Van Koolbergen was also a visitor and no doubt will be the last Holland salesman for the season, much to the joy of the greenhouse man.

Smith, of Wade Park avenue, had a house of their seedling carnation Magdalene in full crop for Easter, and realized some fancy prices for them.

G. W. S.

Newport, R. I.

I recently visited Mr. J. Allen's place at Caswell's greenhouses, and found everything in first-class, up-to-date order. One house, 200 feet, planted with carnations, looked exceptionally good; also a house of Bride and Bridesmaid roses. He plants 15,000 carnations, mostly Daybreak and Mrs. Lawson. His best white is Queen Louise, which was looking fine; in red, Jahn's Scarlet does best. A bench of Melba was extra good.

This firm also grows a large quantity of grapes, mostly Muscats and Hamburgh.

Nursery work in town is brisk. Mr. Vanicek has thirty large cases of stock arriving from Belgium this week.

Fred Smythe, of Wadley & Smythe, and a host of helpers are in town decorating "Arleigh," the home of Miss Neilson, for the Vanderbilt-Neilson wedding. Two car-loads of flowers have been shipped on from New York, to say nothing of plants. T. F.

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Violets
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TELEPHONE SENECA 620
GIVE US A TRIAL. WE CAN PLEASE YOU.

Mention the Florists' Exchange when writi

Chicago.

sday evening the bowlers will be- heir regular practice at Anson's s. There is some talk of a team to St. Louis on Friday night, re- ng in time for business Monday ing. Quite a contingent will ac- any them.

tors in town: M. Willius, Minne- ; M. F. Kyle, Kalamazoo; W. A. nan, South Haven; J. Smith, sville; C. Dallwig, Miss Dallwig, Becker, Milwaukee. R. J.

Pittsburg.

Veek's News.

John Henkel, who has conducted l business for almost 50 years on street, was compelled to give up tore, as the property was taken e Wabash Railroad. Mr. Henkel king about $135,000 for the prop-

T. Boddington, of Clucas & Bod- n Co., spent several days in this

H. Bockmann, traveling for H. Co., bulb merchants, was also a r.

April meeting of the Florists' which should have been held in r week, was postponed until next ay, April 21. Bulbous stock will scussed.

Bader furnished one of our t dry goods stores with many , which they offered for sale r week.

weather is most disagreeable for or work—too much rain almost week, steady.

E. C. REINEMAN.

St. Louis.

About Town.

Willie Foley, of the Foley Manu- ing Company, of Chicago, spent days in St. Louis the past week g up cypress lumber.

. Ford, who represents A. Herr- & Co., of New York, was with ster week, selling supplies of all also plants.

. Adles has left the employ of Ayers on Grand avenue.

committee on entertaining the go florists Saturday and Sunday s week are hard at work making rations. Chairman Beneke re- that he has arranged for a bowl- natch on Sunday afternoon, a ride to the World's Fair grounds turday afternoon, and a theater at night. The party will stop at Rezier, 13th and Olive streets, all arrangements have been for them. All final arrangements ard to entertaining will be made club meeting this week Thurs- which will be held at Belleville,

attendance at the bowling club y night was very small; only howed up. We learned later that uch Easter work kept them at resting up so as to be in good meet the Chicago boys, the end week. ST. PATRICK.

---

y plants, from Fall-sown seed, of the shortages reported by who grow them extensively. Ger- s will be in the usual supply. the sure prospect of there being er demand for them this year St. Louis has ever experienced, rs will lose an opportunity of to their profits if they do not p the price or increase it over f former years. The trouble is l not agree to do it, and many have to suffer for the faults of a few who sell at any figure as long as there is some profit, and ready cash coming in. F. W. M.

Grand Rapids, Mich.

A Cloud-Burst.

A lightning and rain storm struck this district on Saturday afternoon last, doing considerable damage to greenhouses in its path. The establishment of Peter Kunst suffered to the extent of $25; that of Cunningham, $50; Crabb & Hunter, $100; others slightly. The basement of the Brown's seed store was flooded, and seeds, onion sets, potatoes, etc. were damaged to the extent of $500.

The next meeting of the club will be held at the Board of Trade rooms on Friday, April 24. G. F. C.

Lockport, N. Y.

The Easter trade here was reported as ahead of common, with the supply of lilies quite short of the demand, and called for almost down to close buds.

Fred G. Lewis, of the younger generation of this name in Niagara County horticulture, recently purchased the former F. B. Lewis property. The former houses located thereon were repaired, and a new house added. Carnations form the specialty here.

VIDI.

Woonsocket, R. I.

The Summit Greenhouses will add about 1,600 square feet of glass to grow chrysanthemums for the Fall trade. Work on the addition will start at once and will probably be finished by the first of June. T. H. G.

S. Jacobs & Sons, Greenhouse Builders.

Recently we had the privilege of going through the factory of S. Jacobs & Sons, manufacturers of greenhouse material, 1365-1373 Flushing avenue, Brooklyn, N. Y. It is somewhat out of our line to give a detailed account of the machinery necessary to prepare sash bars, eave plates, ridge boards, etc., from the raw material, and we can only say that with its extensive and well equipped factory the firm of S. Jacobs & Sons is in a position to turn out any and all kinds of greenhouse structural material at the shortest possible notice.

The firm furnishes everything needed in the greenhouse construction line, and sends out men to erect and equip with heating and ventilating apparatus when so desired. The concern confines itself to no particular style of sash-bar, but makes any kind of bar desired. All the putty used is manufactured on the premises, and nothing but the best material is employed in its manufacture. The boiler this firm uses is manufactured for it by a well-known concern in Reading, Pa., and is guaranteed in every particular. All the wood used for sash-bars, etc., is of natural cured red gulf cypress from Louisiana, which is considered the best that money can buy for greenhouse construction.

The firm, issues a neat catalogue which can be had on application.

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and Florists' Supplies
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The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29 00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Apr. 14, '03	St. Louis Apr. 14, '03	Cincinnati Apr. 13, '03	Milwaukee	Detroit Apr. 14, '03
	A. BEAUTY, fancy—special	30.00 to 40.00	...... to 50.00	25 00 to 35.00	...... to	30.00 to 40.00
Roses	" extra	24.00 to 30.00	40.00 to 45.00	...... to 25.00	...... to	24.00 to 30.00
	" No. 1	12.00 to 10.00	25.00 to 35.00	12.00 to 16 00	...... to	12.50 to 18.00
	" Culls and Ordinary	.75 to 4.00	6.00 to 20.00	3.00 to 5.00	...... to	.75 to 4.00
	Queen of Edgely	...... to	...... to	...... to	...... to	..... to .....
	Bride, 'Maid, fancy—special	5.00 to 8.00	..... to 8.00	..... to 8.00	...... to	5.00 to 8.00
	" extra	4.00 to 5.00	...... to 7.00	6 00 to 7.00	...... to	4.00 to 5.00
	" No. 1	...... to	...... to 6.00	3.00 to 5.00	...... to	..... to ......
	" No. 2	...... to	...... to 5.00	2.00 to 3.00	...... to	...... to ......
	Golden Gate	4.00 to 10.00	5.00 to 8.00	5.00 to 10.00	...... to	4.00 to 10.00
	K. A. Victoria	...... to	4.00 to 8.00	...... to	...... to	...... to . . ..
	Liberty	4.00 to 25.00	4.00 to 10.00	6.00 to 15.00	...... to	..... to ......
	Meteor	4.00 to 8.00	4.00 to 8.00	3.00 to 6.00	...... to	4.00 to 8.00
	Perle	4.00 to 8.00	4.00 to 6.00	...... to	...... to	4.00 to 8.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	. .... to ......
	Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	2.00 to 2.50	1.50 to 2.00	...... to	..... to	2.00 to 2.50
	STANDARD VARIETIES White	2.00 to 3.00	2.50 to 3.00	...... to 2.00	..... to	2.00 to 3.00
	Pink	2.00 to 3.00	2.50 to 3.00	...... to 2.00	...... to	2.00 to 3.00
	Red	2.00 to 3.00	2.50 to 3.00	...... to 2.00	...... to	2.00 to 3.00
	Yellow and Var,	2.00 to 3.00	2.50 to 3.00	..... to	...... to	2.00 to 3.00
	*FANCY— (*The highest grades of standard var) White	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	..... to	3.00 to 4.00
	Pink	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	...... to	3.00 to 4.00
	Red	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	...... to	3.00 to 4.00
	Yellow and Var.	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	..... to	3.00 to 4.00
	NOVELTIES	6.00 to 8.00	...... to	..... to	..... to	...... to ......
	ADIANTUM	.75 to 1.50	...... to	...... to 1.50	...... to	.75 to 1.50
	ASPARAGUS	30.00 to 75.00	10.00 to 30.00	40.00 to 50 00	...... to	30.00 to 75.00
	CALLAS	6.00 to 10.00	10.00 to 15.00	..... to 10.00	..... to	6.00 to 10.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	..... to ......
	DAFFODILS	3.00 to 4.00	2.00 to 4.00	...... to 3.00	..... to	3.00 to 4.00
	DAISIES	.75 to 1.50	.25 to .75	...... to .50	..... to	.75 to 1.50
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	..... to	..... to .15
	HYACINTHS	2.00 to 3.00	3.00 to 6.00	...... to 4.00	...... to	2.00 to 3.00
	LILAC	4.00 to 8.00	4.00 to 6.00	...... to	...... to	..... to ......
	LILIES	8.00 to 12.00	12.50 to 15.00	...... to 12.50	...... to	8.00 to 12.00
	LILY OF THE VALLEY	2.50 to 4.00	3.00 to 4.00	..... to 4.00	...... to	2.50 to 4.00
	MIGNONETTE—Ordinary	3.00 to 4 00	...... to	...... to	...... to	3.00 to 4.00
	" Fancy	4.00 to 6.00	...... to	...... to	...... to	4.00 to 6.00
	NARCISSUS	...... to	3.00 to 4.00	..... to 3.00	...... to	..... to ......
	SMILAX	15.00 to 25.00	...... to 15.00	...... to 15.00	...... to	15.00 to 25.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	1.00 to 1.50	.35 to .75	..... to 1.00	..... to	1.00 to 1.50
	TULIPS	3.00 to 5.00	...... to	3.00 to 4.00	..... to	3.00 to 5.00
	VIOLETS	.50 to 1.00	...... to	...... to	. ... to	.50 to 1.00

J. B. DEAMUD
Successor to Illinois Cut Flower Co.
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FIRST CLASS ROSES ALL SUMMER
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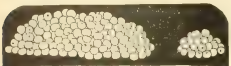

Actual Results

of the advantages of spraying are shown in above picture. The two piles of apples came from the same number of trees in the same orchard row. The big pile from sprayed trees. Pictures taken from actual photographs.

The Best Spraying Pumps

bucket, knapsack, barrel, hand and power, are made by the undersigned, inventors and sale owners of many new valuable spraying fixtures and features. Write for free catalogue and booklet on insects, plant and fruit diseases.

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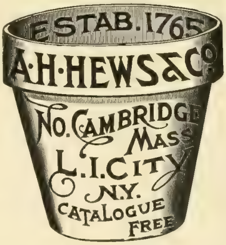

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1500	2 in. pots in crate,	$4.88
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800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4.51
144	6 " "	3.16

		Price per crate
120	7 in. pots in crate,	$4.20
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	HAND MADE.	
48	9 in. pots in crate,	$3.60
48	10 " "	4.80
24	11 " "	3.60
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JUST THE THING FOR YOUR GREENHOUSE.

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The lightest running
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Duplex Gut

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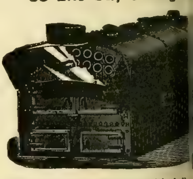

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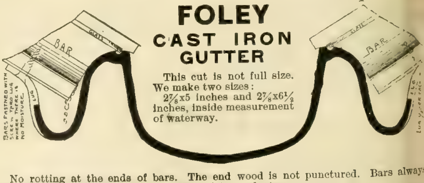
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GLASS
LUG
BARS FASTNED WITH SCREW THRO LUG WHERE THERE IS NO MOISTURE.
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FOLEY CAST IRON GUTTER

This cut is not full size. We make two sizes: $2\frac{7}{8}$x5 inches and $2\frac{7}{8}$x$6\frac{1}{2}$ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through the screw fastens the bar are cast on the gutter.

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Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

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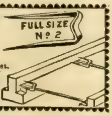

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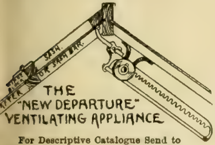

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"NEW DEPARTURE"
VENTILATING APPLIANCE

For Descriptive Catalogue Send to

D. CARMODY, EVANSVILLE, IND.

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Kalamazoo, Mich.

Jottings About Town.

James Fraser had a good cut of carnations just ready for the Easter business, as also some good longiflorum lilies. His new houses have been a great success.

Van Bochove & Bro. had some 5,000 lilies ready for the market, and they sold clean out. Roses and carnations were also in good crop with them. The brothers are already at work on their new block of houses which, I understand, are to be built on the short roof principle. Their plant is now assuming large proportions, close to the 100,000-foot mark.

Dunkley Floral Co. reports a good season also. Carnations have done well again this year. The firm had a large supply of pot plants, etc., for the Easter trade, and feel satisfied with the business done.

Since moving into its new store on Main street, the Central Michigan Nursery Co. has done a most satisfactory business and is pleased with the results. The concern carried a large supply of stock for Easter, prominent among which were a number of Crimson Rambler roses, eight feet high, well proportioned and in full bloom, which made splendid specimens. The plants were forced at the firm's greenhouses and, I understand, fetched the neat sum of $15.00 each. The company is already at work on the new addition of 12,000 feet of glass and expects to have the houses ready for early planting.

John Calder finds business improving right along, although he has experienced some hard luck the past season. We hope his luck will change this year.

Fred Marker is getting ready to make his addition as soon as weather permits. He is well located, and business increases with him all the time.

The writer had a nice cut for Easter, also. S. B.

West Seneca, N. Y.

Robert C. Avery mourns the death of his father, Geo. H. Avery, a longtime and respected resident of this locality, the funeral services holding on Tuesday of this week. VIDI.

HAIL!

For insurance against damage by hail, address
JOHN G. ESLER, Sec'y F. H. A., Saddle River, N. J.
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Manufacturers of Cal. Red Cedar and Louisiana Cypress.
BEST GRADES PERFECT WORKMANSHIP
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After you have tried "Cheap Material" and find that it is not cheap, "TRY OURS."
Our material costs a little more than that furnished by planing mills, but it lasts much longer, as those who have tried both will certify.
Our large list of satisfied customers is our strongest endorsement.
If you want good material at proper prices, get ours.
Estimates cheerfully furnished.

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111 TO 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
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IT PAYS TO PAY FOR QUALITY

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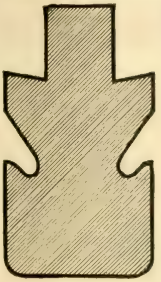

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LARGEST BUILDERS OF GREENHOUSE STRUCTURES.

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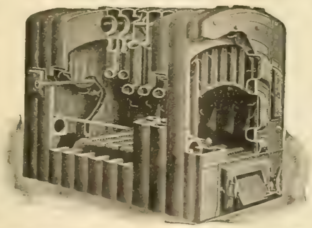

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Ageratum, 3 varieties	2½	.50	3.00
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Carnations, Wm. Scott and Lizzie McGowan, hardened off in cold frames, from soil, $15.00 per 1000; $2.00 per 100.			
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Geraniums, best standard sorts	3	.60	4.00
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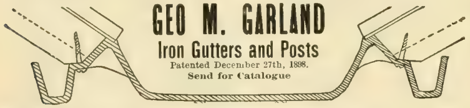

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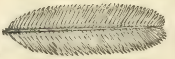

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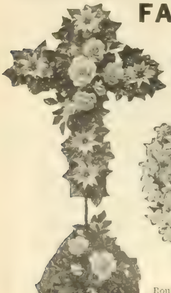

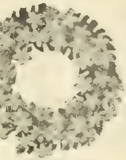

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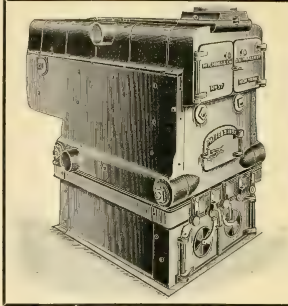

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Sectional and Round—Water and Steam

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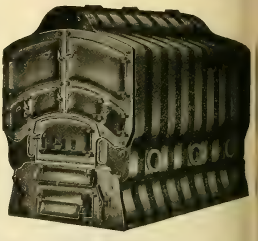

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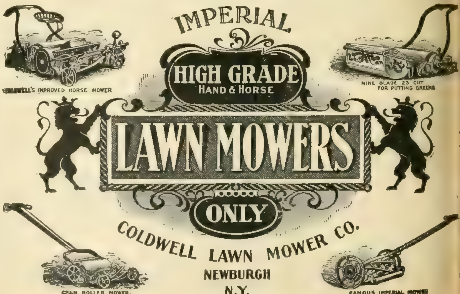

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NINE BLADE 23 CUT FOR PUTTING GREENS
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Supplement with this Issue

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We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 17 NEW YORK, APRIL 25, 1903 One Dollar Per Year

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Extra strong, field-grown plants; a large variety embracing the following choice sorts: agna Charta, Mme. Caroline Testout, Mrs. John Laing, General Jacqueminot, Ulrich runner, Fisher Holmes, Perle des Blanches, Duke of Teck, Captain Christy, Mme. Gabriel uizet, Chapeau de Napoleon (crested moss), Blanch Moreau (white moss), etc., $12.00 per 100.

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Large flowering hybrids of Catawbiense, the st hardy ironclad tested sorts, splendid ants, well budded, 1½ ft. high, $75.00 per 0. Large specimens from 2 ft. high, $18.00 er doz.

HARDY AZALEAS.

Azalea Mollis, extra fine plants covered ith buds, 15 to 18 inches high, $30.00 per 100. Ghent Azaleas, extra fine plants, named rieties, covered with flower buds, about inches high, $45.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA.

Extra strong field-grown plants, very ushy, $12.00 per 100.

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We offer a large extra fine stock of this. Pyramid, 3½ ft. high, $2.00 each; 4½ to 5 . high, $3.00 each.

Large bushes, untrimmed, fine for vase-ork, or for other decorative purposes, bout 3½ ft. high, $2.00 each.

Standard, fine heads, about 1½ ft. in di-meter, $2.00 each; extra size about 2 ft. in iameter, $3.00 each.

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Extra heavy, fine pot-grown stock, Jackmanni, Henryii, Lilacena Floribunda, $3.50 per dozen.

	Per 100
Delphinium (Larkspur), Double Giant Hybrids, strong blooming plants from ground	$8.00
Hollyhocks, Superb Double, in separate colors and Allegheny, all colors mixed, strong plants from ground	8.00
Shasta Daisies, strong plants from ground	12.00
Tritoma Pfitzeri	12.00
Hardy Phloxes, a grand assortment of the very choicest sorts	6.00
Japan Lilies, Auratum, Roseum, Rubrum, Album and Melpomene	5.00
Japanese Fern Balls, large size, extra quality	25.00
Caladium Esculentum—	
Fine bulbs, 6 to 9 ins. circumference	3.00
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BRIDE BRIDESMAID	$15.00 per 100 $120.00 per 1000

Own Root Stock

BRIDE BRIDESMAID METEOR	$4.00 per 100 $35.00 per 1000
AMERICAN BEAUTY	$6.00 per 100 $50.00 per 1000

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TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50
Worth and sold elsewhere for $6.50.

Consists of 50 each: **SHENANDOAH**, dark foliage, large pink flower; **C. HENDERSON**, crimson; **MME. CROZY**, scarlet, gilt edge; **F. VAUGHAN**, yellow, red spots; **P. MARQUANT**, salmon-pink,

OR CUSTOMERS CHOICE FOLLOWING VARIETIES AT

25c. per doz.; $1.50 per 100; $12.50 per 1000

MME. CROZY, PAUL MARQUANT, BURBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, FLORENCE VAUGHAN, ITALIA, QUEEN CHARLOTTE, FLAMINGO, AUSTRIA, ALSACE, SHENANDOAH (bronze foliage).

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American Mixed, many whites	$1.00	$8.50
Very Fine Mixed	.75	6.50
Second Size Mixed	.65	5.00
Augusta, pure white	4.50	40.00
May, Daybreak color	2.50	20.00
White and Light, best	2.00	18.00

DAHLIAS LARGE FIELD ROOTS

	100	1000
Named Varieties: Fancy, Show, Cactus, and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35.00
Separate Colors: Pink, red, striped, yellow or white	4.50	40.00

TUBEROSES

All Sound and Selected Bulbs, hand picked and selected, 4 to 6 inches, $7.00 per 1000; $1.00 per 100. 4 inches, $5.00 per 1000; 75c. per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz.		15.00

CYCAS REVOLUTA

Dry Stems. Fresh imported, true long leaf variety now ready, in cases containing about 350 lbs. each. We can supply stems of any weight from ½ lb. to 10 lbs. each, and we will repack the cases with stems of any size suitable to the customer's requirements. Per 10 lbs., 12c. per lb.; 100 lbs., 10c. per lb.; whole case, 7½c. per lb.

JAPAN MAPLES Large plants, many branches, 2-3 ft. high, several varieties; all hardy kinds, 50c. each; $5.00 per doz.; $30 per 100.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., TELEPHONE 4390 SPRING **New York City**
CORNER JANE STREET
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

BAY TREES. Ask for Prices.

ROSES in variety, low budded, two-year, $10.00 per 100. **Magna Charta, Pæonia, Ulrich Brunner, Baroness Rothschild.** These are the four best kinds for pot culture. We have a general assortment of other kinds.

Rosa Hermosa, Maman Cochet, white and pink, 4 in. pots, $12.00 per 100.

Crimson Rambler, $10.00, $12.00 and $15.00 per 100.

H. P. ROSES, our selection, $10.00 per 100.

RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

EVERGREENS, We have a very large collection of all kinds, including Abies, Blue Spruce, Retinospora, English and Irish Yews, Cupressus, Thuya, Pinus, Juniperus, Cedrus, etc. Ask for a list of general varieties.

BOXWOOD, Pyramid, Standard, Bush, Globe and clipped in all shapes.

SHRUBS, Althæa, Amygdalis, Berberis, Coryopteris, Cercis, Kerria, Clethra, Cornus, Hawthorn, Deutzia, all varieties; Forsythia, Hydrangea, Hypericum, Philadelphus, Snowball, Prunus, Cydonia, Sambucus, Spiræa in 10 varieties, Symphoricarpus, Tamarix, Weigelia, Double and Single French Lilac, extra fine. All the above good, strong, bushy stock, per 100, $12.00. Japanese Snowball, per 100, $20.00.

VINES, Clematis, large flowering varieties, 3 years old, Dutchman's Pipe, Belgian Honeysuckle, Wistaria, Silk Vine, Ampelopsis Engelmanni, Quinquefolia, Trumpet Vine, Akebia Quinata, Actinidia polygama. All these vines, strong plants, from 5 to 8 ft., per doz., $3.00; per 100, $30.00. Lonicera Halleana, per doz., $1.00; per 100, $8.00. Clematis Paniculata, per doz., $1.00; per 100, $10.00. Lonicera reticulata, per 100, $10.00. Ampelopsis Veitchii, XX, per 100, $12.00. Jasminum nudiflorum, per 100, $12.00.

JAPAN MAPLES, 2 yrs old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

HERBACEOUS PLANTS by the 1000, in all leading kinds. Ask for special catalogue of same.

Just Received

FICUS

(RUBBER PLANTS)

$15.00 per 100
$135.00 per 1000

STANDARD or TREE FORM SHRUBS, Althea, Prunus triloba, Pissardi, Lilac, Snowball, Deutzia, Amygdalis, Viburnum Opulus, Weigelia. All these at, per dozen, $4.00; per 100, $35.00.

KALMIAS (Mountain Laurel), $50.00, $75.00 and $100.00 per 100.

Fruit Trees in all sizes. Ask for special Trained Fruit Tree List.

MAGNOLIA, Soulangeana, Lennei, Alexandriana, 2½-3 ft., each, $1.00; 3½-4 ft., each, $2.00; 4-5 ft., each, $3.00.

STANDARD HYDRANGEAS, per 100, $25.00.

JAPANESE SNOWBALLS, tree form, per doz., $6.00.

AZALEA MOLLIS, special selected plants, covered with flower buds, per doz., $3.50; per 100, $25.00. Extra large plants, per doz., $5.00; per 100, $40.00.

AZALEA MOLLIS, tree form, per doz., $9.00.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

AUCUBA JAPONICA,	12-15 in.	per doz.,	$2.50
	15-18 in.	"	3.50
" **VARIEGATA,**	18-24 in.	"	5.00

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J

SEASONABLE

Caladiums	Medium size bulbs, $5.00 per 100.
Cinnamon Vines	Large roots, $2.50 per 100.
Madeira Vines	Extra large roots, $2.00 per 100.
Begonias	Single red, yellow, orange and rose separate colors, $3.50 per 100.
Tuberoses	$1.00 per 100; $9.00 per 1000.

W. ELLIOTT & SONS,
NEW YORK

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

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Asparagus Plumosus Nanus Seed

NOW READY.

SAMUEL S. PENNOCK
1612-14-16-18 Ludlow St., PHILADELPHIA

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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

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TUBEROSES The True Dwarf Excelsior Pearl

Extra Fine Stock, 4-6 in. circumference	$7.00	per 1000
Good Flowering Stock, ¾ in. "	3.00	"

Prices hold good while stock lasts.

Just Arrived:

BAY TREES, PYRAMIDS and STANDARDS
LATANIAS, PHŒNIX, KENTIAS

In all Sizes and Prices. Further Particulars given by

F. W. O. SCHMITZ, Prince Bay, N.Y.

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TUBEROSE BULBS

Dwarf Excelsior Pearl

Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% discount for cash with order.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers.

	Per 100	Per 1000
Medium Size, 3 to 4-in.	$0 50	$3 50
Special Size, 3½ to 4-in.	60	4 50
First Size, 4 to 6-in.	90	8 00
Mammoth Bulbs, 6 to 8-in.	1 50	12 00

CALADIUM ESCULENTUM, with live center shoots.

	Per 100
5 to 7-in.	$2 00
7 to 9-in.	3 00
9 to 12 in.	6 00
12-in. and up	13 00

Gladioli, Fern Balls, Hardy Lilies

VAUGHAN'S SEED STORE

CHICAGO
84 Randolph St.

NEW YORK
14 Barclay St.

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JAPAN LILY BULBS

Auratum	Per box
7x9, packed 160 in box.	$6.40
9x11, packed 100 in box	5.00
11x13, packed 75 in box.	8.25

ROSEUM or RUBRUM 7x9, packed 160 in box, $6.40 per box.
ALBUM 7x9, packed 150 in box, $7.00 per box.

For list of all other bulbs send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY ST
NEW YORK
BRANCH, 404 EAST 34TH ST.

Mention the Florists' Exchange when writing.

Groff's Hybrid Gladioli

Guaranteed Genuine

	Per 1000
Blooming Bulbs, 1 inch and up	$12.00
Medium (will bloom), ½ to 1 inch	6.00
Small Bulbs, ½ inch and under	3.00

BULBLETS, $1.00 per 1000; 2000 for $1.50

Ideal Mixture, a fine florist mixture. Made up of selections of five years' careful growing of many named varieties, choice seedlings, etc., and contains a large per cent. of white, light and yellow vars. at one-third price of Groff's. Also a limited quantity of seed saved from the choicest marked flowers of Groff's, Childsii and Gandavensis vars., at 10c. per pkt., 3 pkts. 25c. Bulblets and seed prepaid. Bulbs at purchaser's expense. Cash. Satisfaction guaranteed. 500 at 1000 rate

EDGAR P. WALTZ,
General Delivery, Akron, Ohio

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Theodosia B. Shepherd Co.

VENTURA-BY-THE SEA, CAL.

	Per oz.	Per lb.
Cosmos, Giant fl., splendid mixed	$0 40	$3 00
Cobæa Scandens	30	2 50
Centaurea, Imperialis	40	
" Marguerite, giant white	50	
" Chamelon, yellow	60	
Heliotrope, choice mixed	40	4 75
Farfugium Grande, seeds and plants sold out.		
Romneya Coulteri	50	6 50
Geranium, "Good Venture," magnificent large flowers, grand mixed. Per pkt., 25c.	3 50	
Geranium, large fl., splendid mixed	2 00	
	100 seeds.	**1000 seeds.**
" double, splendid mixed	$0 50	
Geranium, Apple-scented		$0 75
Petunia, fringed, hybrida, choice mixed		25
Petunia, new double fringed, choice mixed		70
Phormium Tenax, var.		1 00
Coleus, choice mixed		20
Cyperus alternifolius, $1.00 per oz.		

Established 1802.

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For over a hundred years have been universally recognized as the standard of excellence.

We are now booking orders for

Lilium Harrisii
AND
Lilium Longiflorum

Send for our prices stating number and size required.

J. M. THORBURN & CO.
36 Cortlandt St. New York

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Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J

Dahlia Specialist.

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W. W. RAWSON & CO. Arlington Tested Seeds BOSTON MASS.

RAWSON'S Arlington Tested Seed
FOR THE FLORIS
CATALOGUES MAILED FREE.

W. W. RAWSON & CO., Seedsmen, **Boston, Mas**
12 and 13 Faneuil Hall Square.

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HIGH GRADE

FLORISTS' FLOWER SEED

OUR SPECIALTY

Catalogue upon application.

R. & J. FARQUHAR & CO,
6 and 7 South Market St., Boston, Mass

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20,000 DAHLIAS

Strong whole field-grown roots, in 50 best sort $4.00 per 100; $36.00 per 1000; send for list. Mixe whole roots, in separate colors, white, pink, red an yellow, $3.50 per 100; $30 00 per 1000; fine mixe all colors. These mixtures contain fine named v rieties, all double, show, cactus and pompon, $3. per 100; $25.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON
Purcellville, Va.

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First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS
ROCHESTER, NEW YORK

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ASPARAGUS PLUMOSUS NANA SEED

	100	100
Greenhouse Grown Fresh Crop, to close out, reduced	$0 75	$6 0
Outdoor Grown Fresh Crop	60	5 0

BULBS.

Clearance of Fresh TUBEROSES, extra fine hand-picked, 1000 to bbl., 4x6 inch and up		$0 85	$7 0
" " " " " " 3x4 "		40	3 0

GLADIOLI American Hybrid

	12	100	10
60 per cent. white and light	$0.20	1.00	9.0
Very Fine Mixture	.15	1.00	7.0
MAY, white and rose, finest early forcer	.30	1.50	12.0
All white and light	.25	1.50	12.0
Rose and pink	.20	1.25	10.0
GROFF'S Finest Hybrids	.50	2.50	22.0

Cycas revoluta stems, 1-10 lb. stems 10 cts. per lb.; 100 lbs., 8.0

Quotations now on all French, Dutch forcing bulbs. Lilium Harrisii and Longiflorum, Azaleas. Send for estimate blank. Can save you 10 per cent. on EARLY orders.

H. H. BERGER & CO., 47 Barclay Street, NEW YORK

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PRIZE GLADIOLI—Selected Bulbs

	Per Doz.	Per 100	Per 1000
& S. FLORACROFT MIXTURE, No. 1. Unsurpassed quality	$0.20	$0.85	$8.00
& S. SPECIAL MIXTURE. Does not contain so large a percentage of white and light shades as our Floracroft Mixture, but otherwise splendid value.	.15	.75	6.50

JAPANESE FERN BALLS—True Long-Leaved Variety

Ready to start into growth, 30c. each; 4 for $1.00; 25 for $5.50.

GLOXINIAS—Mammoth Bulbs

	Per Doz.	Per 100
oice Mixed	$0.50	$3.50
med Varieties, 5 colors	.70	4.75

JAPAN LILIES

LIUM AURATUM, 8-9	.60	4.00
" RUBRUM, 8-9	.60	4.50
" " 9-11	.90	6.50

OHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ARDY WATER LILIES

Also The Sacred Lotus and its varieties.
Send for wholesale price list.

. J. RICHARDS, Wayland, Ohio.

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ycas Stems

100 LBS. @ 8¢
200 LBS. @ 7½¢
500 LBS. @ 7¢

NEW STOCK
ALL SIZES

rices:

AUGHAN'S SEED STORE,
BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO.

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SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

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KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

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NEWARK, NEW YORK.

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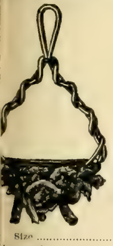

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122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
ice, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

nporters and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**

NOVELTIES CONSTANTLY ON HAND.

Mention the Florists' Exchange when writing.

HARRISII BULBS

For August Delivery

Good straight stock of Harrisii are not plenty. We have the sale of as large a supply of carefully grown and well rogued stock as can be found on the Island of Bermuda. There is no more profitable forcing bulb in the whole list than true Harrisii. Place your orders with us now and you will get the best bulbs produced this year.

Our arrangements for high grade bulbs of French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all **Dutch Hyacinths, Tulips, Narcissus and Spiraea** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

By combining your order for a full line of this stock with us, you get each in season and all at the closest cost for high grade stock. Economy in carload freight shipments and large importations supply half our profits.

Write for prices before closing any forcing stock order.

Vaughan's Seed Store,

NEW YORK:
14 Barclay St.,

CHICAGO:
84-86 Randolph St.

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SURPLUS

STANDARD ROSES in variety, at 30 cents each.

1000 APPLE TREES in variety.

PEAR TREES in variety.

100,000 SHRUBS, dormant condition

ORNAMENTAL TREES in large quantities.

AMPELOPSIS VEITCHII, No. 2, X and XX.

BOXWOOD in all sizes.

DWARF BOX in quantity.

100,000 ROSES in 2 inch pots, for planting out.

ELIZABETH NURSERY CO., - ELIZABETH, N. J.

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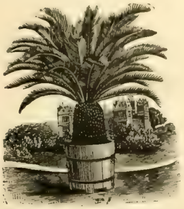
"CYCAS REVOLUTA"

FRESH STOCK.



From 2 to 6 lbs., 25 lbs. $2.50; per 100 lbs. $8.00.

Asparagus Plumosus Nanus Seed.

There is still time to sow FRESH SEED which we offer. 90c. per 100, $7.50 per 1000.

(Catalogue mailed on request)

Henry F. Michell, 1018 Market St., Phil.,
Seed Growers and Importers.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

ASTER SEEDS

Selected from the **largest** and **finest branching** vars., white, pink and lavender. Per packet, 20c., 3 colors for 50c.; per oz., 50c. Prepaid by mail.

TH. F. VAN DER MEULEN
FLORIST, DUNKIRK, N. Y.

Mention the Florists' Exchange when writing.

EXCELSIOR PEARL

TUBEROSES

And Caladium Esculentum Bulbs and Canna Roots, leading varieties. Write to

JOHN F. CROOM & BRO.
Growers, MAGNOLIA, N. C.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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IMPORT BULB ORDERS

Orders now booked for the highest grade of

Lilies, Hyacinths, Tulips, Narcissus, Freesias, etc.

AT SPECIAL IMPORT PRICES

Prices on Application.

CANNAS, CALADIUMS, DAHLIAS, GLADIOLI, TUBEROSES at reduced prices to close out.

W. C. BECKERT, Allegheny, Pa.

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D. Landreth & Sons

1217 Market St., Phila., Pa.

SUPPLIES OF ALL KINDS.

Write for prices before placing orders elsewhere.

SEEDS AND BULBS.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

The estimated yield of beans for the entire State of Michigan in 1902 is put at 68 per cent. of an average crop.

PEORIA, ILL.—The Louis Stocker Seed Company was a heavy loser through a fire which occurred here on April 18.

DETROIT, MICH.—The American Seed Company has filed articles of association; capital stock, $25,000, with $15,000 paid in. The incorporators are: Joseph L. Gillespie, Chas. W. Latham, John Burgen. Joseph L. Gillespie, trustee.

European Notes.

Trade has been a little brisker this week, and it seemed as if better times had commenced; but a succession of cold winds has put a very effectual stop both to business and to forward growth outdoors. In consequence, there have been several rather discouraging reports from the growing centers, but at present it is too early to estimate what damage can have been done to the early crops.

EUROPEAN SEEDS.

HOLLAND BULB CROPS.—Bulb fields are now at their best so far as hyacinths are concerned, and it is worth noting that this has not happened for the last twelve years that hyacinths should be in their full glory on the first of April. At the same time it is quite certain that the crop of hyacinths will not be more than one-half the quantity that was in the market last year, provided that no more disasters turn up before harvesting time comes round; and there is planty of time yet for all sorts of mishaps that Nature is sometimes willing to provide. Very likely the week after Easter will find the bulk of the tulips in full bloom, which is fully two weeks earlier than last year, and it must be said that so far they are looking exceedingly fine and healthy.

As all the bulb fields have now been uncovered, it appears that many more bulbs in the grounds have been killed outright by the early frost, and among these are the English iris, in the first place of which nearly all the stocks have been destroyed. The Iris hispanica have also suffered badly in many places, thus leveling by a single stroke the overstock that was in the market last year. Ixias have also suffered seriously; and of the narcissi, both the double and single jonquil stocks have been diminished to such extent that not one-half the usual quantity of salable bulbs can be expected in the markets this season, and this peculiar state of affairs of bulb crops generally will no doubt cause, during the coming season, some awkward surprises for the dealers.—Horticultural Trade Journal.

DORMANT ROSES

Two-year, field-grown, strictly first-class, mostly own roots. I offer, subject to sale, at these prices. No bundles will be broken.

$15.00 per 100

7[illegible] Comtesse de Murinais
140 Agnes E. Carman

$10.00 per 100

[illegible]0 Mad. Chas. Wood
[illegible] Salet
[illegible] Francois Levet
20 La Reine
110 Alfred Colomb
110 Woodland Marguerite
240 Devoniensis
[illegible] Perpetual White Moss
40 White Bath
1110 Baroness Rothschild
30 Anna de Diesbach
140 John Hopper
1000 Gen. Jacqueminot
40 Marie Van Houtte
40 Caroline Testout
1000 Crimson Rambler
90 Crested Moss
2000 Magna Charta
130 Merville de Lyon
200 Ulrich Brunner
100 Cheshunt Hybrid
160 Duchesse de Brabant
40 Blanche Moreau

$7.50 per 100

1[illegible] Oscar Roi de [illegible]
100 Luxemburg
1[illegible] Gracilis
600 Pink Roamer
830 Henry Martin
60 Princess Adelaide
500 Pink Rambler
360 Manda's Triumph
1200 Universal Favorite
20 Countess of Oxford
180 Captain John Ingram
250 Yellow Rambler
360 Orange Perfection

RHODODENDRONS

Named Sorts, 18 to 24 in., $12.00 per dozen; $90.00 per 100.

Also a general assortment of **SHRUBS, SPECIMEN EVERGREENS** and **BUXUS.** Can make prompt shipment.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers

TREES AND PLANTS in full assortment

Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing

EVERGREENS

As grown at Glenwood.
The best in the United States.

The Glenwood Nurseries

offer the finest **TREES,** both

**EVERGREEN and DECIDUOUS,
FLOWERING SHRUBS and VINES**

of all sizes in general assortment.

New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

Wm. J. Chinnick, Trenton, N. J.

Mention the Florists' Exchange when writing.

P. OUWERKERK

**1123 Summit Ave.,
JERSEY CITY, N. J.**

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. Earliana and Panderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY White Plume and Golden Self Blanching. $1.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.
Wistaria, Chinese, blue, 1 yr. $2.00 per 100; $15.00 per 1000; 2 yrs. $4.00 per 100; $25 00 per 1000.
Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.
Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100· $12.00 per 1000.
Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.
Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.
Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots..........$20 00 per 100
15-18 in., " " " .... 30 00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots........$20.00 per 100

LEMONS.

12-15 in , Bushy, from 4-in. pots.......$20.00 per 100
18-24 in., " " " .... 30.00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2.00 to $3.00 each.

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in. pots.......$8 00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in..................................$20 00 per 100

KENTIA BELMOREANA.

12-15 in , 5 ch lvs , 3-in. pots...........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots ....$15 00 per 100
(Not less than 40 of a class at 100 rate).

CANNAS (Dormant Roots).

2-3 eyes to each division, best sorts...$15.00 per 1000
(Not less than 400 of a class at 1000 rate)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

Write for Catalogue.

**P. J. BERCKMANS CO., Inc.,
Fruitland Nurseries, Augusta Ga.**
(Established in 1856.)

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

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Strawberries

Forty varieties. from $1.00 to $2.50 per 1000.

ASPARAGUS Strong one-year, 50c. per 10 $2.00 per 1000. Two-year, 75c. p 100; $3.00 per 1000. Varieties—Palmetto, Barr's an Giant Argentina.

Also other Small Fruits, Plants, etc.

Send for Price List.

CHAS. BLACK, Hightstown, N. J

Mention the Florists' Exchange when writing

KOSTER & CO,

Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clemati Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. No Agent

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We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Rose Small Fruits and Evergreens.

Write us for close prices on anything want in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, **Rochester, N.**

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CAPE JESSAMIN

(Gardenia Florida)

Strong stocky plants, $2.00 per 10 $18.00 per 1000.

JOHN MONKHOUSE, Caddo Nurseries, **Jewella, L**

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TREE SEEDS

Our new descriptive **CATALOGU OF SEEDS** of American Conifers, Tre Shrubs, Palms, Cacti, Herbaceous Plan etc., has been mailed to the trade. A post will bring it to you.

PINEHURST NURSERIES, Pinehurst, N.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writin

OAK PARK NURSERIE

Few Thousand Privet, 18-24 in., $20 00 per 10 500 **Carolina Poplars,** 12-14 ft., 12c.; 1000 **Arb Vitæ,** 6-7 ft., very fine; 500 **Norway Spruc** 4-6 ft., fine; 500 **Norway Spruce,** 3-4 ft., fin 500 **Norway Spruce,** 2-3 ft., fine. Address

M. F. TIGER, - Patchogue, L. I., N.

Mention the Florists' Exchange when writin

2000 NORWAY SPRUCE, 4 to 7 ft., trans planted, $25.00 to $30.00 per 100.

150 AUSTRIA PINES, 5 to 6 ft., trans planted, $1.00 each.

1500 PEONY FRAGRANCE, $75. per 100

CHARLES LENKER, FREEPORT L. I., N. Y

Mention the Florists' Exchange when writing

THINGS YOU NEED

	Per 1
10,000 Coreopsis clumps	$4 0
10,000 Helianthus Maximiliana, strong divisions	2 5
10,000 Achillea Millefolium Roseum, strong clumps	3 0
Delphinium Formosum, strong, 1 year	6 0
Gaillardia Grandiflora, strong clumps	6 0
Lychnis Chalcedonica, clumps	5 0
Pardanthus clumps	4
Rudbeckia, strong divisions	2 5
Santolina, strong, from flats	3 0
Digitalis, Moss Rose, large clumps	5 0
Achillea, The Pearl, divisions	2 5
Chrysanthemum, Maximum Triumph, strong divisions	5 0

Cash with order, please.

W. C. EISELE, West End, N. J

Mention the Florists' Exchange when writing.

Nursery Department

MERICAN ASSOCIATION OF NURSERYMEN
Charles A. Ilgenfritz, Monroe, Mich., President
S. Lake, Shenandoah, Ia., Vice-President.
orge C. Seager, Rochester, N. Y., Secretary;
L. Yates, Rochester, N. Y., Treasurer.

Nursery Notes.

If you are in the way of receiving ıstom in Summer, do not let the sea- n pass without potting vines, ever- eens, and shrubs that can be sold ter the planting season is over for ock in the open ground.

The Douglas spruce, from the Rock- s, is destined to become a most pop- ar evergreen. Hardy, beautiful, and rapid growth, it also transplants ıstly, which cannot be said of all ever- eens.

Watch closely for San Jose scale at ıis season, especially among bought in ees. The insect is widespread, and is worth a good deal to a nursery- ıan to be able to guarantee his stock ee from it.

Sambucus pubens is in flower now. here is no great attraction in its flow- s, but the red berries are attractive, nd they quickly follow the flowers. It ell deserves its common name, "red- rried elder."

Apple trees branched almost to the round, so popular in the West, are ıt favored by our fruit growers, and urserymen will find a better sale for ıose partly trimmed.

It is uncommonly hard to transplant ıe sour gum, Nyssa multiflora, even hen in small sizes. Prune them in ery close, to have a chance of their ving.

Magnolia Lennei.

Probably it is because that Magnolia ennei is scarce in most all nurseries ıat specimens of it are rarely met with n private estates. By those who pos- ss it, it is prized as one of the most orthy of the whole class of early flow- ing sorts. This is not saying that in s display of flowers it is more worthy, ut it is a week or two later in bloom- ıg than M. conspicua and M. Soulan- eana, the two well known Spring- looming sorts, and this difference of me in flowering usually insures the erfecting of the flowers without hin- rance from late frosts. The flowers re purplish red, large and cup-shaped. n growth this variety makes a heavy yle of twigs and has perhaps fewer f them than the others mentioned.

Occasionally this one, M. Soulange- na, M. Alexandrina, and others bear ed pods, and many seedlings may re- ılt from them. As they are all vari- ies and not species, the seedlings are ırely just like the parents, but often ery nearly so, and invariably as good a way as the parent from which they pring.

The most satisfactory way to increase ıis class of magnolia is by layers. Set ıt plants especially for this purpose. nrich the ground well, and cut down ıe plants almost to the ground. This ill result in a lot of young, strong, ngthy shoots, just the kind for layer- ıg. As soon as the shoots have made ngth sufficient, layer them. Repeated yering of the top weakens a plant, nd the practice is to let the plants row at will every other year, to keep p their vigor.

Pyrus Japonica Varieties.

That fine old shrub, Pyrus japonica, ıay be found in almost every garden ı the land, so much is it esteemed for s handsome scarlet flowers in early pring. As transplanting is now going ı, affording the opportunity of getting ıany root cuttings, I would refer to me of the many worthy varieties of ıis bush. All of those I shall name re as worthy a place as the old type, . japonica. Before me as I write, in vase on the table, are four distinct rts. They are Maulei, brick red; car- inalis, light red; rosea alba, light pink; nd nivalis, white. As they appear, lending one with the other, the com- ination is exceedingly pleasing. The hought occurs, what a lovely group ıch plants would form, the color prop- ly arranged, and the common scarlet ıe being added. It is getting late for ansplanting with us, as the pyrus does ot move well when advanced in leaf, nless severely pruned. It will be bet- r to make a note of it for Fall plant- ıg. Transplanting is not a risk then. s at any time when dormant the work may be done safely.

Mentioning root cuttings, as I have done, this is the usual source from which young plants are obtained. The Fall or Winter season is the best time to cut roots from the parent plants. These are cut into lengths of about three inches, kept in a cellar until Spring, and then planted out in rows, set deep enough that the tops are about level with the ground. Almost every root should make a plant.

Evergreen Seedlings.

Referring to the decision of the Board of General Appraisers at New York that a seedling, though transplanted, is still a seedling for the purpose of appraisement, the decision is not in accord with what is commonly understood as a seedling by the nursery trade; however, it may agree with the spirit of the law to call the plants such for the levying of duties. Following the nurseryman's ideas of a seedling, it applies altogether to such as have not been transplanted. For example, take the following as an illustration: "Betula lenta, sweet birch, 1 to 2 ft. seedlings." Everyone in the trade would understand that referred to stock not transplanted. But, though transplanted, in many catalogues the name "seedling" is still used, notwithstanding the stock is transplanted. But the use is for the guidance of the purchaser, that he may know the stock has originated as seedlings, and not as layers or cuttings. And in this case, if transplanted, the catalogue reads, "1 to 2 ft. trans. seedlings." In other words, stock offered as "seedlings," with no explanation, is understood to mean not transplanted. I do not know of any law for this, but it is certainly how the case stands with those in the trade. When transplanted, nurserymen are interested to so explain, as the stock is more valuable. The use of the word "seedlings" is as explained, to show the derivation of the plants, seedlings being preferred to layers or cuttings by some buyers.

While on the subject of catalogues, how much more necessary information is conveyed in ours than is to be found in those of Europe! Ours usually give the age and size of stock, and whether seedlings or cuttings. How often has it vexed me when looking over foreign lists to find after each item "1 year," "2 year," "3 year," and other ages, with not a word about the most important matter of all—the height. The American wants to know the height first of all; the age is secondary with him. Some of the English and French lists are very tantalizing in this way, and I am confident many an order has failed of being sent across the water because of this defect.

Colorado Blue Spruce.

As this is the season when nurserymen are consulted as to the best evergreen to plant, it is well to keep in mind the desirability of those from Colorado. Not only are they hardy anywhere from Colorado to the Atlantic States, but many of them are of extreme beauty. The gem of the whole of them would be the blue spruce, were the favorite to be decided by vote. There is really no other evergreen of like character. Hardy, robust, symmetrical of growth, and, in the best types, of a lovely blue, it exceeds in beauty any other evergreen. When of a height of from six to twenty feet, a specimen of it is an uncommon attraction on a lawn. And to add to its good points is but to say that it is ranked as being not hard to transplant.

There is a great difference in the depth of blue in this species. The color varies from that of the green of the Norway spruce to a deep blue. Many propagators have selected a very deep blue one and propagated from it, and in this way we get Koster's blue, Meehan's blue, Waterer's blue, etc.—all presumed to be of unusual excellence of color. There are seasons of the year when the color of all is more intense than at others. In Spring it is good, lasting through the Summer.

There need be no hesitation in planting this spruce in any position, no matter how exposed. It will stand it. This is a good season to set the tree, and with ordinary care it will grow. All the spruce family have a good share of roots. If these are kept fresh and planting be not delayed, the percentage of loss in transplanting will be small. The blue sorts are propagated by grafting, chiefly, though when raised from seed a large number of good blue ones may be selected from a bed of seedlings.

This is the season to sow the seeds. Sow outdoors, or in frames. Have the soil made smooth, and cover the seeds lightly, shading the beds slightly until the seedlings appear, when the shading material should be removed gradually.

JOSEPH MEEHAN.

BRIEFS FOR BUSY FLORISTS.

MEMORIAL DAY.—With the approach of Memorial Day, it is in order for the suburban florist to begin to get his stock in shape for that time. There are very few in the business who do not find an extremely large demand for all kinds of flowering plants for grave ornamentation on that day, and especially is this so where the florist happens to be located near some cemetery. There are many patrons of florists' establishments, however, who seek something more permanent than a few flowering plants for the adornment of their cemetery plots, and it is well to have on hand some of the decorative shrubs in order to meet this demand. It would, of course, be best to have such as are planted in tubs; they are easier to handle, and they could be conveniently stored in some shed, or other outbuilding, through the Winter months. Of the various trees or shrubs that are well adapted for cemeteries we may mention bay trees, aucubas, boxwoods and euonymus in variety, and we feel sure that it would pay well for florists who grow most of their own stock to carry a line of the decorative evergreens mentioned.

HYDRANGEAS that did not get in for Easter time should be placed in the coolest house, so as to hold them over until Memorial Day. They will be in good demand at that time. To have masses of geraniums, also, at that time, it is well to take large-sized pans and fill them with geraniums. Select plants of uniform growth, and preferably of one variety, though a few pans filled with mixed sorts will not fail to please some customers.

ASPARAGUS PLUMOSUS.—If a new bed of asparagus is in contemplation make it a solid bed, and use one-year-old plants for filling.

Among the seeds that should be sown now are those of primulas, Solanum capsicum annuum, nasturtiums and cobeas; also successive sowings of asters, stocks, phlox, etc.

Profit in Gardens.

The profit side of the small garden is worthy of more consideration than it generally receives, writes Edwin C. Powell in Good Housekeeping. The average gardener sums it up after a season's experience by saying that he can buy his vegetables cheaper than he can grow them. An investigation made by the writer some years ago of over fifty city and village gardens, located in various parts of the United States, shows some interesting and valuable figures. These gardens contained on an average about fifteen thousand square feet, or nearly two-fifths of an acre. The average total value of the produce grown, which included vegetables, fruits and flowers, was $61.56. The cost of labor expended in preparing, planting and cultivating the garden, based on prevailing rates for day laborers, amounted to $19.50, seed $8.68, fertilizer and manure $7.12, use of tools $1.70 (which was figured at 10 per cent. their value), and incidental expenses 50 cents, making a total cost of $37.59 and leaving a profit of $23.97. As many of the gardeners bought novelties in the way of vegetable and flower seeds and flowering bulbs and plants, the item for seeds was necessarily somewhat large.

CATALOGUES RECEIVED.

E. H. HUNT, CHICAGO.—Spring Price and Seed List.

PLANT SEED COMPANY, ST. LOUIS.—Trade Price List of Flower Seeds.

W. C. KENNEDY, ST. JOSEPH, MO.—Catalogue of Vegetable, Farm and Flower Seeds. Illustrated.

PERRY, WINCHMORE HILL, LONDON, ENG.—Catalogue of Water Lilies and other Aquatics. Illustrated.

NIMMO & BLAIR, DUNEDIN, NEW ZEALAND.—Illustrated Catalogue of Seeds, Plants, Fruit, Implements, etc.

ISAAC HICKS & SON, WESTBURY STATION, L. I.—Catalogue of Nursery Trees; also Tree-Moving Machine.

JOSEPH BRECK & SONS, BOSTON.—Illustrated Catalogue of Agricultural Hardware, Implements, Machines and Woodenware. A [illegible] illustrated and comprehensive publication, bound in cloth.

RICHARD VINCENT, JR. & SONS, White Marsh, Md.—Catalogue of vegetable, greenhouse and bedding plants. This firm carry the largest stock of vegetable plants in the country. Their offerings are also very extensive, particularly the list of hardy chrysanthemums.

CANNAS

Our Stock is true to name, extra selected, 2, 3, 4 eyed roots.

	100		100
Alphonse Bouvier	$2.00	Italia	$2.50
Austria	1.50	John White	2.00
Allemania	3.00	Mme. Crozy	1.50
Alba rosea	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty, new	8.00	President Cleveland	2.00
Coronet	1.50	Robusta, bronze leaf	2.00
Comte de Bouchard	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture, 1000	
Egandale, red leaf	3.00	$10.00	1.00
Florence Vaughan	2.50		

DAHLIAS

Field-grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O., BALTIMORE, MD.

WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce and Grapes, specialties. Only house dealing exclusively in these goods. Correspondence solicited.

Archdeacon & Co., 100 Murray St., N. Y.

Mention the Florists' Exchange when writing.

CABBAGE and TOMATO PLANTS

Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.

Tomato L. Bentz, fine plants, $1.00 per 1000; 5000 for $4.00.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain.

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P. LOEF AZ & CO. Wholesale Nurserymen

BOSKOOP, HOLLAND

Ask for special quotations on Hardy and Ornamental Nursery Stock

P. J. VAN HEININGEN
Representative
Care of Maltus & Ware, 136 Water St., New York

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

2 to 3 feet, $25.00 per 1000, 500 at same rate; 250 up, at $2.75 per 100, less, $3.00 per 100. 1½ to 2 feet, $19.00 per 1000; 500 at same rate, 250 up, at $2.00 per 100; less, at $2.25. All ready for shipment. Two-year, cut back, $2.25 per 100. One-year, cut back, $1.20 per 100. F. O. B., packing free.
Cash with order.

Atlantic Coast Nurseries, Asbury Park, N. J.
Office, 606 4th Avenue

Mention the Florists' Exchange when writing.

EVERGREEN TREES

NORWAY SPRUCE twice transplanted, nice trees, 2 ft. high, $[illegible] per 100; 2 to 3 ft. high, [illegible]

PINK PEONIAS, three stems, $1.50 per doz.
WHITE " 1.50

GEO. L. MAHONEY & CO., Saco, Maine

Mention the Florists' Exchange when writing.

PERIWINKLE

MYRTLE, [illegible]

ROOTED COLEUS, [illegible] per 100

ROSES, Bridesmaid and [illegible], 2¼ in. pots, $2.50 per 100.

PAUL FISCHER,
Woodridge, Bergen Co., New Jersey

Mention the Florists' Exchange when writing.

Holland Nursery Stock

ENDTZ, VAN NES & CO., BOSKOOP, HOLLAND.

Mr. Endtz will be in the United States until May 6. Address communications as above.

MALTUS & WARE, 136 Water Street, N. Y.

ASK FOR OUR CATALOGUE.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

Chicago Carnation Co.

JOLIET ILL.

Rooted Cuttings Ready to Ship

RED.

	Per 100	Per 1000
Estelle	$4.00	
Mrs. Potter Palmer	5.00	$40.00
J. H. Manley	5.00	
Harlowarden	12.00	100.00

PINK.

	Per 100	Per 1000
Mrs. Lawson	2.00	
Cressbrook	5.00	
Mrs. E. A. Nelson	5.00	
Mrs. Higinbotham	5.00	40.00
Sibyl	12.00	100.00
President McKinley	12.00	100.00

WHITE.

	Per 100	Per 1000
Her Majesty	$10.00	$80.00
Murphy's White	6.00	
Governor Wolcott	5.00	
Lillian Pond	10.00	
Governor Lowndes	12.00	100.00

VARIEGATED.

	Per 100	Per 1000
Marshall Field	$12.00	$100.00
Gaiety	5.00	
Stella	5.00	
Viola Allen	5.00	

AMERICAN BEAUTY ROSES. We shall have a fine lot from 3 in. pots, May 1st, at $7.00 per 100; $65.00 per 1000.

Mention the Florists' Exchange when writing.

CARNATIONS

Well-Rooted Cuttings Now Ready

PINK.

	Per 100	Per 1000
Lawson	$2 00	$15 00
The Marquis	2 00	15 00
Dorothy	2 00	15 00
Norway	1 50	12 50
Guardian Angel	1 25	10 00
Genevieve Lord	$1 25	$10 00
Nelson	5 00	40 00
Cressbrook	4 00	35 00
Triumph	1 25	10 00
Higinbotham	5 00	40 00

RED.

	Per 100	Per 1000
Adonis	14 00	120 00
Harlowarden	12 00	100 00
Estelle	3 00	25 00
G. H. Crane	2 50	20 00
Palmer	4 00	30 00
Mrs. L. Ine	1 25	10 00
Chicago (Red Bradt)	2 50	20 00

WHITE.

	Per 100	Per 1000
Flora Hill	1 50	12 50
Queen Louise	2 50	20 00
Peru	1 25	10 00
Hoosier Maid	1 25	10 00
Murphy's White	6 00	50 00

VARIEGATED.

	Per 100	Per 1000
Mrs. G. M. Bradt	$2.50	$20.00
Prosperity	3.00	25.00
Gaiety	$3.00	$25.00

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Liberty	$8.00	$75.00
Pierre De Notting	8.00	75.00
Kaiserin	4.00	35.00
Bridesmaid	4.00	35.00
Bride	$4.00	$35.00
Golden Gate	4.00	35.00
Perle	4.00	35.00
Sunrise	7.00	65.0C

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants or cuttings of any variety. No plants or cuttings sent by mail.

PETER REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings

	100	1000
Mrs. Theodore Roosevelt	$12.00	$100.00
Alpine Glow	8.00	75.00
Harry Fenn	6.00	50.00
Viola Allen	6.00	50.00
Challenger	5.00	40.00
Gaiety	6.00	50.00
Golden Beauty	6.00	50.00
Lorna	3.00	25.00
Prosperity	3.00	25.00
Floriana	3.00	25.00
Lillian Pond	10.00	
Her Majesty	10.00	
Marshall Field	12.00	
Gov. Lowndes	12.00	

THE COTTAGE GARDENS, Queens L. I., N. Y.

Mention the Florists' Exchange when writing.

LOOK HERE!

Carnation Cuttings

WELL ROOTED

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1.25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates.

ROSE PLANTS

All from grafted stock. Extra fine.

	100		100
Bridesmaid, 2½ in. pots	$3.00;	3 in.,	$3.50
Bride, 2½ in. pots	3.00;	3 in.,	3 50
Ivory, 2½ in. pots	3.50;	3 in.,	4.50

Immediate delivery. Cash with order.

JAMES E. BEACH,

2019 Park Avenue,

BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

CARNATIONS, from flats, ready to plant o good stock. Lawson, $1.50 per 100; Nelson, Cre brook, $2.50 per 100; White Cloud, Daybre Crane, Joost, Norway, $1.00 per 100.

CHRYSANTHEMUMS, rooted cuttings, sta ard sorts, $1.00 per 100; $9.00 per 1000.

GERANIUMS, out of 3 in. pots, Poitevine, Mo mort, Ville de Fort, Pasteur, Lasoleil, Castella Landry, Jean Viaud, Doyle, Layfayette, J. Harrison, $5.00 per 100; out of 2¼, $2.00 per 1 rooted cuttings, $1.00 per 100. CASH PLEASE.

HARRY DONNELLY, Rosebank, Sta. B, Cincinnati,

Mention the Florists' Exchange when writi

CARNATION

A change in my plans for plant enables me to offer for sale my enti stock of improved varieties in 2 in pots, carefully grown from selected cu tings.

Write for List and Prices

S. C. NASH, Clifton, N.

Mention the Florists' Exchange when writi

100,000 Unrooted Carnation Cutting

	Per 100	Per 1
Governor Wolcott, white	$2 00	$20
Alba, white	2 00	20
Golden Beauty, yellow	2 00	20
Stella, variegated	2 00	20
Apollo, scarlet	2 00	20
Norway, white	1 00	7
Governor Roosevelt, crimson	1 00	7
General Maceo, maroon	1 00	7
Dorothy, pink	1 00	7
Eldorado, yellow	80	5
Gold Nugget, yellow	1 00	7

Grown cool. Express paid at above figures. Ca

CALIFORNIA CARNATION C

LOOMIS, CAL.

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THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. T calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.5 500, $37.50; 1000, $75.00. FOR SALE BY

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SOUTH NATICK, MASS.

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The finest White Carnation to da Awarded Certificate of Merit at Broo lyn, scoring 91 points, the high number awarded to any seedling. was also recently awarded First Pri and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in Apr $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Enchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, Preside McKinley, White Bradt, Fragrance, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Adonis, $3.00 per doz.; $14.00 per 100; $120.00 per 1000.

Her Majesty, $2.00 per doz.; $10.00 per 100; $80.00 per 1000.

Lillian Pond, $2.00 per doz.; $10.00 per 10 $76.00 per 1000.

Innocence, $6.00 per 100; $50.00 per 1000.

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Our GRAFTED plants are all selected stock and carefully grafted on flowering wood

				Per 100	Per 1000
GRAFTED BRIDE	2¼	in. pots		$10 00	
GRAFTED LIBERTY	2½	"		15 00	
BRIDE, own roots	2½	"		3 50	$25 00
BRIDESMAID, own roots	2¼	"		3 50	25 00
GOLDEN GATE, own roots	2¼	"		3 50	25 00
Extra fine KAISERIN	3	"	1 yr. old	10 00	
" " "	2½	"		5 00	

No plant order for less than 100 of a variety filled at the above prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

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CARNATIONS

We are passing through what I alays consider the discouraging time of the year for the carnation grower. The reason for this feeling is apparent, for the work which should be done must often be neglected in order to give the young stock the care which is needed to insure good results from it; and the houses are very apt to suffer in consequence. The slump in the Spring of the year can be avoided, if one has plenty of help; but there is always an extra amount of work, and if anything must be neglected it should not be the young stock.

Before these notes get to press a goodly share of our young plants will be in the field, and if we are favored with a shower or two within a few days after planting, the future of the plants is practically assured. The important factor in shifting young stock to the field successfully is a good ball of roots, and I do not believe it wise to put small plants into the field until they have become well established in pots. This, with late propagation, makes it late when the plants get into the field, but they take hold better, and will be far better in the end than stock which was poorly rooted when set out.

Several interesting points have come up in connection with young stock, and the fact that the February struck cuttings are in the best shape is very apparent. If propagated before February a shift to 3-inch pots has been found necessary, and this requires a great deal of space and quite an expenditure of valuable labor. On the contrary, cuttings struck during March are not sufficiently rooted in the pots to send abroad, and these will lose the coming few weeks, which, being cool and with plenty of showers, are very conducive to a good start in the field. If your cuttings are early propagated they should be in the field; if late, give them all the show there is, and have them ready to set out as soon as possible. By getting the young stock into the field early you have a chance to devote your time to your old plants, and if they are in the shape that ours are in they will need all the attention you can give them.

To consider the old stock for a few moments. A heavy mulching is an absolute necessity, for without it the benches dry out too rapidly, and far too much washing of the roots will result in order to keep the benches sufficiently moist. One of the first to show the result of the warm weather and shortage of food is Mrs. E. A. Nelson, G. H. Crane being a close second. In fact, nearly all of the varieties will need an abundance of food if the quality of the bloom is to be maintained. We like to give a dressing of bone meal, or super-phosphate, and on top of that soil and cow manure, and, later, a dressing of ashes to stiffen up the growth, which is apt to be soft during the bright weather succeeding a spell of cloudiness or rain. It will also tend to keep the color of the blooms up to the standard.

In one of my notes I referred to the use of Ivory soap for red spider, but I do not wish to be understood to mean that the spraying of the plants with this solution is an improvement over a good syringing. When you have an infested corner, or a few plants, the solution named will clean out the pest; but in the Spring, with plenty of sun to dry out the plants, they should receive thorough and systematic syringing to keep red spider in check. Perhaps rust will be a result of too much water; but at this season I do not consider rust of any importance, for your propagation is ended and the old stock, during the Spring, seldom suffers from this disease enough to injure the quality of the bloom; while red spider will, if not kept in check, destroy everything. You will find red spider on the buds and around the calyx of the bloom, and the syringing should not be confined to the base of the plants. Syringe thoroughly, and syringe often.

One of the results of heavy syringing is a disarrangement of the plants, and they will need a great deal of attention to keep them within the supports.

This must be attended to, if you wish to keep the stems straight; and the plants should be gone over after each syringing. These points attended to will keep the quality of the blooms up to the standard for some time to come. Working over old plants is not as satisfactory an operation as to handle them when coming into their prime; but a good many dollars will repay the attention, for May and June are the months of big cuts, even though the prices are not high.

I have written very little on the subject of the field for planting out carnations and our method of planting, for the reason that circumstances usually control this feature. We cannot all do as we would like to, but in general let me say, that if you can rotate your crops and use a different field each year you will find it an improvement. Try to have the field well drained-upland, with a friable soil, and add enough fertilizing ingredients to make it able to support the growth the plants should make. We like to use a field which has been cultivated the previous year, because it is then in better mechanical condition, and there is no sod in the process of decomposition. When sod is decomposing there is apt to be stem rot in abundance. This should also be a hint to us as to the quality of the soil used in benching. Avoid half rotten sod. Lay up your compost, if possible, a year in advance and you will find little stem rot from this source. We are planting out this year in a field in which millet was grown last season; and an improvement on this would be to plant in a field which has had a crop of clover, or some nitrogenous gathering plant, plowed under. Nitrogen gathered from the air is obtained very cheaply and the value of the leguminous plants as nitrogen-gatherers is being realized by those who make a study of the fertility of the land. W. R. PIERSON.

A Rochester (N. Y.) Carnation Grower.

A hurried visit to the place of George Bennett, the largest carnation grower around Rochester, N. Y., fills one with envy. He has about 17,000 feet of glass entirely devoted to the growing of many of the best varieties. Quite a space is also given to the cultivation of Marie Louise violet, the monthly cut averaging a good round number. From 15,000 to 18,000 plants of this violet are housed every year, and it is hardly necessary to say that he would put in more if only he had the room.

Here for white carnations may be found Peru, Glacier and Norway in their prime; for pink, Mrs. Frances Joost, Genevieve Lord and The Marquis have an equal share in praise; Red Jacket, General Maceo, Harry Fenn and G. H. Crane are growing in the same house, and at time of writing were looking in fine shape, with stems easily two feet long and buds looking like small pears.

This is the second year for a new variety that, when speaking about, Mr. Bennett holds his head up. "It's got 'em all beat" is his expression, and to look at it, compared with others, one must admit its blooming qualities are away up. It is a sport from Flora Hill; color deep pink, splashed white; stem 22 to 30 inches, erect and strong, differing from its weak-stemmed ancestor. No two flowers are marked alike. The variety is a very early bloomer, leaving no doubt that it can be handled with good satisfaction by the ordinary grower and retailer. No plants of it have as yet been sold, as Mr. Bennett would prefer to dispose of it outright to any party requiring it. The entire output is handled by J. B. Keller Sons, which firm thinks that the new variety is worth disseminating to the trade.

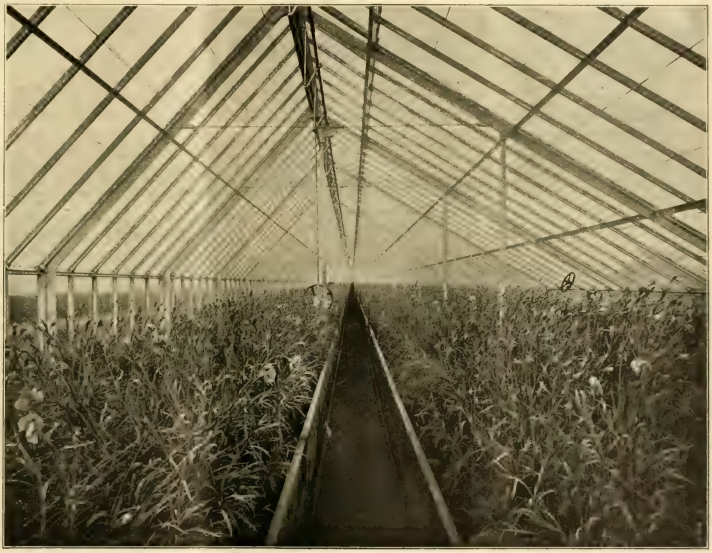
Shading the houses here is quite a job, and is done on the inside, whiting being mixed to the proper proportions and then put on with brush upward toward the ridge. This way is most satisfactory here, because the rains have a tendency to wash off light shading, thus necessitating doing over the work. In Fall the shading is rubbed off with a cloth, when dry, at the same time leaving the inside of the glass perfectly clean.

But with all the carnations on the market, Mr. Bennett claims that none can beat the old Daybreak and Lizzie McGowan, which four or five years ago were in such profusion here as to be one complete mass. In addition to the varieties mentioned, Queen Louise, Prosperity, Flora Hill, Enchantress; in fact, any variety worth trying is found in small quantities. Two houses are being extended 50 feet each this Spring, and larger boilers and a new tank are being installed in order that the proprietor may be able to help supply the ever-increasing demand. A. H. S.

A Large Rhode Island Greenhouse.

The J. A. Budlong & Son Co. have three greenhouses such as illustrated by the accompanying cut. These are located near their large pickle works at Auburn, R. I. The houses are used for carnations exclusively. They are built of the modern iron frame construction, which is covered with cypress capping, glazed with both French and American glass. The houses are fitted with wooden benches and with Lord & Burnham Company's self-oiling ventilating apparatus operating the ridge sash and with their standard apparatus for the side sash.

Greenhouses of the above mentioned length are exceedingly rare, the only others of the same size in the East being the two rose houses put up by the same firm of builders for the Waban Rose Conservatories at Natick, Mass., and a house 850 feet by over 50 feet wide which W. H. Elliott, of Brighton, Mass., built last year at his new place in New Hampshire. At the time of the building of the houses at Natick the question of successfully heating the same was discussed through the trade papers, and it was considered an experiment. The J. A. Budlong & Son Co. had their own men install the steam-heating apparatus according to plans furnished by Lord & Burnham Co., and they report satisfactory results.



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Double Dwarf Golden Marguerite, $2.00 per 100, by mail.

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DRACÆNA INDIVISA, large stock, 20 to 30 inches, 5 and 6 in. pots, $2.00 to $3.00 per doz.

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VINCA, variegated, long vines, 4 in., $6.00 to $8.00 per 100 for selected stock.

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20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

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Bonnaffon, Glory of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, W. King, Chadwick, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, $1.00 per 100.

Petunias, double, 15 fine sorts, R. C., $1.00 per 100.

Coleus, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60 cts. per 100.

Asparagus Plumosus, 2 in., 3 cts.

Ageratum, Gurney, P. Pauline and Best White, 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Alyssum, Double, 2 in., 2 cts.

Umbrella Plants, nice short, 2 in., at $1.50 per 100.

Salvia, Bonfire, Splendens, 2 others, R. C., 75c. per 100.

Cuphea, (Cigar Plant), R. C., 40c. per 100. Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

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Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

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Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

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G. POTTER MATHEWS, Flushing, N. Y.
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Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

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I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Pansies, strong clumps, in full bloom, $1.75 per 100.

Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

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Good strong stock, just right for planting out, 2¼ in., at $4.00 per 100, 3 in., $8.00 per 10; 3½ in., $9.00 per 100, 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 100 6-in. pans, strong, healthy plants. Write for price.

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10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1.50 each; 20 to 25 leaves, $2.00 each.

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250 at 1000 rate.

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100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.

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Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

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ASTER, Trinervis, flowering October and November, bright blue; very desirable for Middle and Southern States	3
ANEMONE Japonica, Alba, Elegantissima, Lady Ardilaun, Queen Charlotte, Rosea Superba, strong field-grown	7
BEGONIA, Manicata Aurea, 2½ in. pots	8
Gloire de Lorraine (June delivery)	15
BOLTONIA, Latisquama, strong divisions	6
CAREX, Japonica var., 2¼ in. pots	3

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CANNA, The Express, the best dwarf, bright crimson..........$3.00 per doz.	$20
COBÆA Scandens, 3 in. pots	5
COREOPSIS Lanceolata, 2½ in. pots	2
Strong clumps	5
CRIMSON RAMBLER ROSES, 3 ft., extra strong	12
CYPERUS Alternifolius, 2¼ in. pots	2
DELPHINIUM, Queen of Blues, dwarf, strong clumps	6
DIGITALIS, Gloxiniaflora, 2½ in. pots	3
ERIANTHUS, Ravennæ, strong divisions	6
EULALIA, Gracillima, Japonica var. and Zebrina; strong divisions	6
EUPATORIUM, Ageratoides (Hardy Ageratum); strong clumps	5
GAILLARDIA, Grandiflora, 2½ in. pots	2
Strong clumps	5
GERANIUMS, best standard varieties, 2¼ in. pots, including such varieties as S. A. Nutt, Jean Viaud, Mme. Landry, etc., in ten best bedding sorts, equal portion of each ....$25.00 per 1000	3
Mme, Salleroi, 2¼ in. pots	2
HELIANTHUS, Maximiliani, Miss Mellish, Mollis, Multiflorus Plenus, Multiflora Maxima, Orgyalis, Rigidus and Tomentosus, 2½ in. pots	3
Multiflorus Grandi-Plenus (Soleil d'Or), 2¼ in. pots	3
Clumps	6
HONEYSUCKLE, Halleana, strong field-grown	5
ISOLEPIS, Gracilis, 2¼ in. pots	3
MONARDA, Didyma and Fistulosa Alba, strong divisions	4
MOONFLOWER, 2¼ in. pots	3
PELARGONIUMS, fine assortment, 2½ in. pots, our selection	7
PHALARIS, Arundinacea var., 2¼ in. pots	2
Arundinacea var., strong divisions	5
PHYSOSTEGIA, Virginian Alba, divisions	3
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PYRETHRUM, Hybridum, 2½ in. pots	3
Strong clumps	6
RUDBECKIA, Golden Glow, 2¼ in. pots	2
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Newmanii, 2½ in. pots	3
" strong divisions	6
Purpurea, strong clumps	8
SALVIA, Splendens, Bonfire, Gigantea, Glory of Stuttgart, 2¼ in. pots)	3
Splendens, Triumph (New)	5
SEDUM, Spectabilis, 2¼ in. pots	3
SHASTA DAISY (Chrysanthemum Hybridum), 2¼ in. pots	5
SWEET WILLIAM (Best English strain), field-grown	5
2½ in. pots	2 5
VALERIANA, Officinalis (Garden Heliotrope), strong divisions	5
VIOLETS, Princess of Wales, from soil	2 5
Lady Campbell, from soil	2 5
VINCA, Major var., 2¼ in. pots; extra strong	3 0

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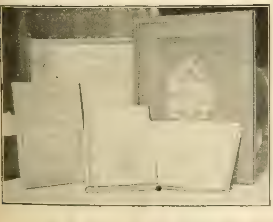

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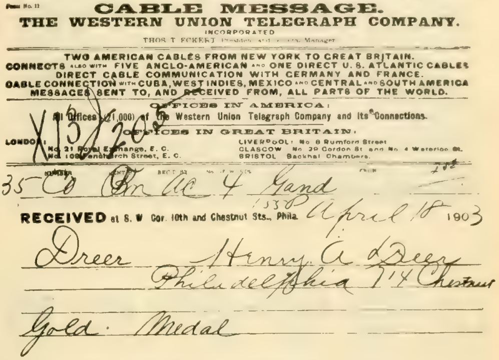

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Wolcott	$5.00	$45.00	Cressbrook	$4.00	$35.00
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BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 4 in., $15.00 per 100; 7 in., $1.00 per 100; 8 in., $1.25 each. Cash or C. O. D.

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5,000 fine pot grown plants

SUPERB DOUBLE, mixed colors, $1.00 per 10; $6.00 per 100.

CHOICE SINGLE, mixed colors, 75c. per 10; $5.00 100.

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Prompt shipment. Cash if you please

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"This here is a denominational garden, an' I got every congregation I ever heard of planted in it. I ain't got no faverite hed. I keer fer 'em all jes' alike. When you come to think of it, the same rule holds good in startin' a garden as does in startin' a church. You first got to steddy what sort of soil you're goin' to work with, then you have to sum up all the things you have to fight ag'inst. Next you choose what flowers are goin' to hold the best places. That's a mighty important question in churches, too, ain't it? Then you go to plantin', the thicker the better, fer in both you got to allow for a mighty fallin' off. After that you must take good keer of what you got, an' be sure to plant somethin' new each year. Once in a while some of the old growths has to be thinned out, and the new upstarts an' suckers has to be pulled up. Now, if you'll come out here I'll show you round."

She started down the path, and Lovey Mary, somewhat overwhelmed by this oration, followed obediently.

"These here are the Baptists," said Miss Viny, waving her hand toward a bed of heliotrope and flags. "They want lots of water; like to be wet clean through. They sorter set off to theyselves an' tend to their own business; don't keer much 'bout minglin' with the other flowers."

Lovey Mary did not understand very clearly what Miss Viny was talking about, but she was glad to follow her in the winding paths where new beauties were waiting at every turn.

"These is geraniums, ain't they? One of the girls had one, once, in a flowerpot when she was sick."

"Yes," said Miss Viny, "they're Methodist. They fall from grace an' has to be revived; they like lots of encouragement in the way of sun an' water. These phlox are Methodist, too; no set color, easy to grow, hardy an' vigorous. Pinchin' an' cuttin' back the shoots makes it flower all the better; needs new soil every few years; now, ain't that Methodist down to the ground?"

"Are there any Presbyterians?" asked Lovey Mary, beginning to grasp Miss Viny's meaning.

"Yes, indeed, they are a good, old, reliable bed. Look at all these roses an' tiger lilies an' dahlias; they all knew what they was goin' to be afore they started to grow. They was elected to it, an' they keep on bein' what they started out to be clean to the very end."

Miss Viny crossed the garden, and stopped before a bed of stately lilies and azaleas. "These are 'Piscopals," she explained. "Ain't they tony? Jes' look like they thought their bed was the only one in the garden. Somebody said that a lily didn't have no pore kin among the flowers. It ain't no wonder they 'most die of dignity. They're like the 'Piscopals in more ways 'n one; both hates to be disturbed, both likes some shade, an' "—confidentially—"both air pretty pernickety. But, to tell you the truth, ain't nothin' kin touch 'em when it comes to beauty! I think all the other beds is proud of 'em, if you'd come to look into it. Why, look at weddin's an' funerals! Don't all the churches call in the 'Piscopals an' the lilies on both occasions?"

Lovey Mary nodded vaguely.

"An' here," continued Miss Viny, "are the Unitarians. You may be s'prised at me fer havin' 'em in here, 'long with the orthodox churches, but if the sun and the rain don't make no distinction, I don't see what right I got to put 'em on the other side of the fence. These first is sweet william, as rich in bloom as the Unitarian is in good works, a-sowin' theyselves constant, an' every little plant a-puttin' out a flower."

"Ain't there any Catholics?" asked Lovey Mary.

"Don't you see them hollyhawks an' snowballs and laylacs? All of them are Catholics, takin' up lots of room an' needin' the prunin'-knife pretty often, but bringin' cheer and brightness to the whole garden when it needs it most. Yes, I guess you'd have trouble thinkin' of any sect I ain't got planted. Them ferns over in the corner is Quakers. I ain't never seen no Quakers, but they tell me that they don't believe in flowerin' out; that they like coolness an' shade an' quiet, an' are jes' the same the year 'round. These colea plants are the apes; they are all things to all men, take on any color that's round 'em, kin be the worst kind of Baptists or Presbyterians, but if left to theyselves they run back to good-fer-nothin's. This here everlastin' is one of these here Christians that's so busy thinkin' 'bout dyin' that he forgits to live."

Miss Viny chuckled as she crumbled the dry flower in her fingers.

"See how different this is," she said, plucking a sprig of lemon-verbena. "This an' the mint an' the sage an' the lavender is all true Christians; jes' by bein' touched they give out a' influence that makes the whole world a sweeter place to live in. But, after all, they can't all be alike! There's all sorts of Christians; some stands for sunshine, some fer shade; some fer beauty, some fer use; some up high, some down low. There's jes' one thing all the flowers has to unite in fightin' against—that is the canker-worm, Hate. If it once gits in a plant, no matter how good an' strong that plant may be, it eats right down to its heart."

"How do you get it out, Miss Viny?" asked Lovey Mary, earnestly.

"Prayer an' perseverance. If the Christian 'll do his part, God 'll do his'n. You see, I'm tryin' to be to these flowers what God is to his churches. The sun, which answers to the Sperrit, has to shine on 'em all, an' the rain, which answer to God's mercy, has to fall on 'em all. I jes' watch 'em an' plan fer 'em, an' shelter 'em, an' love 'em, an' if they do their part, they're bound to grow."—Extract from "Lovey Mary," by Alice Caldwell Rice.

ASPIDISTRA
Green and Variegated. Fine stock. 4-in pots, 5 cts. per leaf.
Cash with Order.
CHAS. P. CULICK, Kingstown, N. J.
Mention the Florists' Exchange when writing.

FLORIST'S TAGS and LABELS
Nature Designed. In Colors
Fancy styles for local use, and practical ones that express companies approve of for shipping.
Samples Free.
DAN'L B. LONG, Publishers, BUFFALO, N.Y.
Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.
Wax Flowers, Floral Designs, Florists' Supplies.
Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.
Clean, Bright Stock of Superior Quality. Can be Used for Many Years.
6 feet, ⅜ to ½ inch diameter .... per 1000, $6.00; per 2000, $11.50; per 6000, $33.00
3 " ¼ to ⅜ " " .... " " 3.50; " " 6.50; " " 18.00
3 " ⅛ " " .... " " 3.25; " " 6.00; " " 17.00
CASH WITH ORDER, PLEASE.
AT CLOSING OUT PRICES.
JOOSTEN'S SELECT LARGE GLADIOLUS, extra size TUBEROSES, and CALADIUM ESCULENTUM.
JOOSTEN'S SELECT GLADIOLUS—Extra Large Bulbs, Light Colors.
C. H. JOOSTEN, Importer, 178 Chambers St., New York.
Mention the Florists' Exchange when writing.

New York.

News of the Week.

The fourth annual meeting of the Horticultural Society of New York takes place at the New York Botanical Garden in Bronx Park, on Wednesday, May 13. An exhibition will be held, in connection with the meeting, in the Museum building of the Garden. A schedule of premiums has been issued, which includes classes for cut flowers and plants. The usual $50.00 will be awarded for the best horticultural novelty in plant, fruit, flower, or vegetable—that is, anything distinct, and not previously in general cultivation in America. Leonard Barron, 136 Liberty street, is secretary.

Fred'k W. Kelsey, the well-known nurseryman, is being boomed as park commissioner for the Oranges. His candidature is endorsed by some of the best citizens, who call attention to the fact that Mr. Kelsey was the originator of the park plan and author of the Essex county park system; commenting also on the good work done by him previously as a park commissioner, and his valuable offices in park matters ever since.

At the opening of the new Stock Exchange building, which occurred on Wednesday morning last, the handsome floral decorations were executed by Dunne & Co., 54 West 30th street.

Twenty-eighth street was the scene of a bad runaway on Wednesday forenoon. A horse belonging to Alex. Warrendorf got frightened and made a dash through the street, crossed Broadway, and almost reached Fifth avenue before it was stopped. Luckily no one was injured, though the horse received a few cuts and the wagon was damaged somewhat.

Wm. Elliott & Sons' auction rooms are the scenes of much activity these days. The offerings this week have consisted of both flowering and decorative stock, and good prices are the rule all round.

H. Weber, Oakland, Md., spent a few days in town recently on his way home from visiting a daughter who is staying at Yonkers, N. Y.

Wm. R. Smith, of Washington, was also a visitor on Burnsiana matters bent. That national monument to the Scottish poet at the Capitol City is still receiving Mr. Smith's best attention.

C. H. Joosten, importer and dealer in bulbs, seeds, etc., 178 Chambers street, will shortly move to more commodious quarters at 120 West street, New York.

Chas. H. Atkins, until recently engaged on the Twombly estate, Madison, N. J., has now charge of the landscape department of Bobbink & Atkins, Rutherford, N. J.

There will be a meeting of the stockholders of the Cut Flower Exchange on Saturday, May 2, at 9 a.m., in their rooms in the Coogan Building, corner 26th street and Sixth avenue.

Dr. N. L. Britton, Director of the Botanical Garden, has returned from an exploring trip in Cuba. He believes the agriculture and horticulture of the island could be much improved and helped by the establishment there of an experiment station. Several valuable plants were acquired, and will be added to the garden equipment.

Rutherford, N. J.

Bobbink & Atkins, nurserymen and importers, Rutherford, N. J., have received about a hundred carloads of choice ornamental trees and shrubs this Spring, and their extensive nursery grounds are well worth a visit. Special features among their recent importations are large specimens of blue spruce. Some of these have sold at $200 each. Of bay trees, the largest specimens ever brought over the Atlantic are to be seen here. There is also an array of very large standard box trees, symetrically shaped and perfect in every particular. Euonymus in many varieties have arrived in perfect condition, and there is a noted demand for these beautiful specimens.

A very important part of the nursery is that devoted to topiary plants. Here are to be seen buxus trained and grown to every conceivable shape almost; not only are birds and animals represented, but also sea-going vessels, such as yachts, man-of-war vessels and steamships. Importations of this class of shrubs are increasing yearly, and they seem to meet with ready demand among the larger private estates.

Rhododendrons are also in very heavy supply, and the list includes all of the best known varieties either in medium or large sizes.

A new department has recently been inaugurated, viz., the manufacture of tubs. Heretofore it was utterly impossible for the firm to secure tubs suitable for large bay trees, rhododendrons, etc. Now the difficulty has been overcome by erecting a suitable workshop and employing practical tubbers, and having the goods made on the premises.

As an indication of the rapid growth of Messrs. Bobbink & Atkins' business, we may state that there are 85 workmen regularly employed, in addition to the office staff.

Indianapolis, Ind.

Window Dressing.

As each year passes the home florists become more adept at window dressing. The windows this Easter were simply elegant. A cross, nine feet in height, of galax leaves, bordered by small incandescent lights with a large bunch of lilies at the center, a mass of rock studded with ferns and tiny electric lights at the base and a background of Adiantum Farleyense, lilies and azaleas was the feature in Bertermann Bros.' window.

Wiegand's window was filled with a variety of blooming plants effectively arranged.

John Rieman's window had a large vase of cut flowers and electric lights in the center, with a quantity of lilies and lilacs at the sides; it was greatly admired.

Jottings.

The Indianapolis Plant and Flower Co. lost a number of Mrs. Lawson carnations which had been stored in the cellar for Easter. Mr. Hasselmann's favorite expression now is "rats!"

Several of the market florists, foreseeing a large demand Saturday, were content to hold their goods for stiff prices until the other fellow had disposed of all his choice stock at cheap figures, and came out ahead. I. B.

ST. LOUIS.—The Chicago Florists' Bowling Club paid a visit to St. Louis last Sunday. They were seven in number, among them Ed. Winterson, Charles Balluff, George Asmus, George Stollery, Phil Hauswirth, Fritz Balluff and Leonard Kill. Chairman Beneke chaperoned the party to the World's Fair Grounds, and in a ride through the residence part of the city in the morning. The afternoon was taken up with the bowling match, in which the Chicago team won all three games. A number of the local florists were at the alleys as onlookers. The St. Louis bowlers felt quite bad over the loss of the games, but say they will turn the tables next August. After the bowling the party was taken to Faust's for supper and a social talk, which lasted until nearly train time. The trip to the depot, which was an eventful affair, passed off smoothly, and as Ed Winterson, the last one to pass through the gates, said, "Boys, we had the best time of our lives; come up and see us soon and we will do the same thing. I didn't get mine, but Balluff did."

The score:

CHICAGO.

	B.	E.	1	2	3	T'l.
Asmus	5	5	157	205	141	503
Balluff	3	12	127	137	140	404
Hauswirth	2	7	159	151	172	482
Stollery	2	7	143	155	176	474
Winterson	1	10	185	150	147	482
Totals	13	41	771	798	776	2345

ST. LOUIS.

	B.	E.	1	2	3	T'l.
Beneke	7	10	131	108	165	404
Guy	4	5	170	197	159	526
Beyer	6	9	179	119	194	492
Weber	2	11	115	149	133	397
Kuehn	4	6	149	166	169	484
Totals	23	41	744	739	750	2233

ST. PATRICK.

New White CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, 75c. each, $7.50 per doz., $50.00 per 100.

Send for List and Prices of 50 other leading varieties of Cannas.

New Crimson Rambler, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2¼ in.

$1.50 per doz., $10.00 per 100, $80.00 per 1000.

THE CONARD & JONES CO., WEST GROVE, PA.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in 4 true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000.

Begonia Rex, in 12 standard varieties, from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Cannas (Dormant Tubers), 2-3 eyes, Chas. Henderson, Chicago, Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Papa Canna, Pres. McKinley, $2.00 per 100; $18.00 per 1000. My selection, $15.00 per 1000. The same, started from sandbed, $25.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2 in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	5 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum,** dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia,** dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00

Pansies, strong plants, fine strain, $2.50 per 100; $20.00 per 1000.

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., Standard, 3½ in. pots	$4.00
Asparagus Sprengeri, 2 in. pots	2.00
Asparagus Plumosus, ready in June	3.00
" " Seed $7.00 per 1000.	
Centaurea Gymnocarpa	2.00
Smilax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Seedling Petunias	3.00
Primroses, ready July 1st	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

SURPLUS STOCK

Guaranteed First Class.

			100
LILACS, strong stock, good mixed varieties	$10.00	$20.00	$30.00
DEUTZIA GRACILIS, good stock		10.00	20.00
RUDBECKIA (Golden Glow)			4.00
HELIANTHUS Arygalis			4.00
1000 double **SWEET ALYSSUM,** 2¼ in. pots			2.50
1000 **STEVIA SERRATA** (tall-growing), 2¼ in. pots			3.00
1000 **SHASTA DAISIES,** strong, 2¼ in. pots			6.00
500 **RASPBERRY PLANTS,** Philadelphia			3.00

25 at 100 Rates.

50,000 Dormant Cannas SELECT STOCK.

A. Bouvier, Chas. Henderson, Paul Marquant, Mme. Crozy, Florence Vaughan, Burbank, 100, $1.50; 50 at 100 rate. Choice mixed, 100, $1.25; 1000, $10.00. 500 at 1000 rate.

AMPELOPSIS VEITCHII 5000 strong 2-year-old, $5.00 per 100.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager.

WHOLESALE FLORISTS,

26 Miami Street DETROIT MICH.

GERANIUMS

JEAN VIAUD the finest pink bedder.

Out of 5 in. pots, $10 00 per 100
" 4 " " 6 00 " } Ready for shifting
" 3 " " 4 00 "

Send for 1903 Novelty List of Geraniums.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Jean Viaud (large lot)	per 100,	$1 50
Castellane, Acteon, La Pilot	"	1 50
Perkins, Bonnot, Castris	"	1 50
Poitevine, Jaulin	"	1 50
Buchner, La Favorite	"	1 25
Heteranthe, Landry	"	1 25

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

5000 Double General Grant, fine stocky plants, rooted last August, in 4 in. pots, in bud and bloom, $5.00 per 100. **SALVIA,** Silverspot, from bench, transplanted seedlings, $3.00 per 100. **AGERATUM,** Stella Gurney, 2½ in., strong, $3.00 per 100. Cash with order; if not satisfied your money cheerfully returned.

C. LAWRITZEN, Rhinebeck, N. Y.

Mention the Florists' Exchange when writing.

A SPLENDID LOT

	100
Of **DOUBLE** and **SINGLE GRANDIFLORA RUFFLED GIANT PETUNIAS,** 3 in.	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high; 3 in.	5 00
COBÆA SCANDENS, 2½ in	2 50
SHASTA DAISY, 2 in	3 00
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 00
VERBENAS, Michell's Giant, 2 in	1 50
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

PLANTS and ROOTED CUTTINGS

	100
Geraniums, 2½ in. pots, La Favorite, Mme. Thibaut, all double; Bruant, semi-double	$2.00
Other good varieties, red, pink and light, fine collection, same size and price.	
Heliotrope, Queen of Violets and Chieftain, 2½ in. pots	2.00
Fuchsias, Elm City and Storm King, 2½ in.	2.50
Ageratum, dwarf blue, 2½ in. pots	2.00
Heliotrope, 3 varieties	1.00
Cuphea, Cigar Plant	.50
Verbenas from Henderson's Mammoth Seed, $4.50 per 1,000. **Cash with order.**	.50

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, Nutt, J. Doyle, Dryden, Mt. o- Snow, $1.30 per 100. Le Soleil, J. Viaud, Castelf lane, $1.75 per 100.

COLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000. GIANT-LEAVED, 20 var., very showy, $1.00 per 100.

Alternanthera P. Major and A. Nana, 75c. per 100. Fine new red kinds, $1.00 per 100.

PANSY BARGAIN Transplanted, in bloom, large, very choice strain, 75c. per 100.

GLADIOLI, large bulbs, best select mixed, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

XXX Stock

ROSE GERANIUMS, strong 3s, $4.00 per 100.

AGERATUMS. Pauline and Gurney, 2 in. pots, very strong, $2.00 per 100; 3 in., $3.50 per 100.

VERBENAS. Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2.00 per 100.

GIANT PANSIES, in bloom, **GIANT DAISIES** and Ever-blooming **FORGET-ME-NOT Constance,** all transplanted, cold-frame grown, $1.50 per 100.

HARDY ENGLISH PRIMROSE, in bloom, mixed, cold frame grown, $2.00 per 100.

CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1 00; ½ pkt., 50 cts.

CINERARIA SEED. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted.

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

ENGLISH IVY.

From 4 to 5 feet high, fine bushy plants in 4 inch pots, per 100, $12.00; per 1000, $110.00. **PANSIES** in full bloom for Easter, per 1000, $30.00. Pansy Seed, genuine Mme. Perret, per trade pkt. 50 cents; oz. $5.00.

P. WENK, Clinton Ave.,
Ozone Park, L. I., N.Y.

Mention the Florists' Exchange when writing.

ENGLISH IVY

Fine plants, out of 4 in., pots	$10 00	per 100
" " " 5 " "	20 00	" "
Rooted Cuttings	1 50	" "
Pansy, fine plants, Roemer's strain, in bloom	20 00	" 1000

For growing on: **Hydrangeas,** 4 in., nice plants, $6.00 per 100; Rooted Cuttings, $2.00 per 100. **Genista,** dwarf, fine plants, out of 2½ in. pots, $4.00 per 100. **Begonia semper florens,** 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

CHAS. ZIMMER. West Collingswood, N. J.

Mention the Florists' Exchange when writing.

Special Bargain Sale

BEDDING PLANTS

COLEUS Red Verschaffeltii-Yellow Queen and three other first-class varieties, HELIOTROPE, dark blue, and AGERATUM, Cope's Pet, from 2¼-in. pots, $2.00 per 100; $20.00 per 1,000. 250 at 1,000 rates. The plants are strictly first-class.

Cash with order

HENRY H. BARROWS & SON, Whitman Mass.

Mention the Florists' Exchange when writing.

SEEDLINGS

	Per 100	Per 1000
Verbenas, new mammoth	$0 40	$3 00
Asters, Early Market	35	2 50
Candytuft, and **Alyssum,** Gem	30	2 00
Daisies and **Pansies**	40	2 50
Phlox, Star and Compacta	40	3 00
Fuchsias, out of 2½ in. pots fine	2 50	
Sweet William, large field clumps	4 00	

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

CANNAS

Started, $2.00 per 100; in pots, $5.00 per 100. Henderson, J. D. Eisele, Berat, Duke of Marlboro, Alsace, Allemania, Austria and Robusta.

GERANIUMS, Mme Salleroi, in 2½ inch pots, $2.50 per 100. Also all standard varieties of Geraniums, 3 inch, $5.00, 3½ in., $6 00; 4 in., $7.00 per 100. Cash with order.

J. B. SHURTLEFF & SON, Revere, Mass.
Telephone, 56-6. Cushman Avenue.

Mention the Florists' Exchange when writing.

Violet Plants

Marie Louise, healthy young plants from sand, rooted runners, $10.00 per 1000; $1.00 per 100. Cash please.

R. KILBOURN, CLINTON, N. Y.

Mention the Florists' Exchange when writing.

DOUBLE VIOLETS

50,000 superb plants from soil, of the **New Imperial Violet,** dark blue, and the largest grown. Very prolific; $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

Address the originator,

W. L. MINOR, BROCKTON, MASS

VIOLETS

Now is a good time to get them out, and why not grow the best? La France leads them all; will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: **La France,** $1.00 per 100; $8.00 per 1000. **California, Princess of Wales** and **L. H. Campbell,** 75c. per 100; $5.00 per 1000. Add 15c. per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa. Cash with order, please.

P. M. DE WITT, Bridgewater, Bucks Co. Pa.

The Princess of Wales Violet

Violet growers cannot afford to to be without this grand and popular variety. Growers in the vicinity of Boston know that this Violet is rapidly and surely becoming more popular and sells for higher prices than any other variety, either double or single, growers in other sections have a great opportunity for taking up and growing this variety.

I have the largest and healthiest stock in the country and am booking orders NOW for strong young plants for April and May delivery, at $2.00 per hundred; $15.00 per thousand. 500 at thousand rates.

WILLIAM SIM, Cliftondale, Mass.

Mention the Florists' Exchange when writing.

COLEUS

erschaffeltii, Golden Bedder and other best lers, 3,000 clean healthy plants, from 2½ in. pots, ready, at $2.00 per 100, or the lot for any nable offer. Cash

MRS. M. CAVANAUGH, Ionia, N. Y.

tion the Florists' Exchange when writing.

VERBENAS

ammoth fancy, strong plants, replanted in soil, al to 2 in. pot plants, 80c. per 100, $7 50 per 1000.

uble Fringed Petunias, fine assortment, ual to any, strong plants, 2 in $2 00 per 100

aniums, Heliotrope, Double Sweet Alyssum, Chrysanthemums, etc., from 2 in. pots, .00 per 100.

I. RAWLINGS, Quakertown, Pa.

tion the Florists' Exchange when writing.

GENISTA.

2½ in., per doz. 75 cts.; per 100, **$5.00.**

	Per doz.	Per 100
utilon Savitzii, 2½ in.	$0.75	$5.00
nsy Pelargonium, 2¼ in.	.75	5.00
amanda Williamsii, 2½ in.	.75	5.00
rodendron Fragrans, 2½ in	.75	5.00
ntia Belmoreana, 2½ in.	1.00	8.00
aucaria Excelsa, 3 to 4 tiers	6.50	
paragus Sprengeri, 2½ in.		4.00
rex Japonica, 2½ in.	.80	6.00
raniums (send for list)		2.50
eping Lantana	.45	3.00

The Conard & Jones Co.,
WEST GROVE, PA.

ntion the Florists' Exchange when writing.

COLEUS

	100	1000
leus, in variety, rooted cuttings	$0 60	$5 00
" " 2½ in. pots	2 00	18 00
liotrope, all dark, rooted cuttings	1 00	9 00
" " 2½ in. pots	2 00	18 00
chsias, in variety, rooted cuttings	1 00	9 00
" " 2½ in. pots	2 00	18 00
eet Alyssum, rooted cuttings	75	
eratum, in variety, rooted cuttings	60	5 00
" " 2¼ in. pots	1 25	10 00
ppy Thought, 2½ in. pots	3 00	
" " 3 in. pots	4 00	

E. FELTHOUSEN, Schenectady, N.Y.

ntion the Florists' Exchange when writing.

COLEUS

Rooted Cuttings except where noted.	100	1000
varieties	$0.60	$5.00
. Verschaffeltii and G. Bedder	.60	6.00
liotropes, dark	1.00	10.00
lvias, Silverspot, Bedman, Splendens	1.00	
chsias, 2 in. pots	2.00	
ant Double Alyssum, 2 in. pots	1.50	
eratum, Pauline, Gurney, Cope's Pet	.60	5.00
Geraniums, 2 in. pots	2.00	
nca Variegated, 4 in. pots	$6.00 to 8.00	
nsy Plants, bud and bloom	1.00	8.00
" small plants	.50	4.00
ternanthera, A. Nana, P. Major	.60	5.00
eratums, 2 in. pots, Gurney, P. P., P.	1.50	
uble Petunias, 2 in. pots	2.00	
liotropes, dark, 2 in. pots	2,00	

CASH WITH ORDER.

RNEST HARRIS, Delanson, N.Y.
Successor to C. A. Harris & Co.

ntion the Florists' Exchange when writing.

Surplus Stock

CUT PRICES WHILE THEY LAST.

drangea, Thos. Hogg and Monstrosa, strong 2½ in. extra fine, $2.50 per 100; $20.00 per 1000.

olets, 2½ in., very fine, California, Prince of Wales, Luxonne, Lady Hume, Campbell, $2.00 per 100; $18 00 per 1000.

ematis Paniculata, 3 years old, strong field-grown, $6 00 per 100.

sparagus Sprengeri, 2½ in., $2.00 per 100; $18.00 per 1000.

press Alternifolius (Umbrella Plant), $2.00 per 100, $18.00 per 1000.

inca Variegata, $2.00 per 100; $18.00 per 1000; 4 in. $6.00 per 100.

chillea, The Pearl, $2.00 per 100.

emon, American Wonder, $2.50 per 100; $20.00 per 1000.

aisy, 2½ in., white and yellow, $2.00 per 100.

erbenas, 2½ in., $2.00 per 100; $18.00 per 1000.

oneysuckle, golden leaved, Halleana and Chinese Evergreen, $2.00 per 100; $18.00 per 1000.

antanas, $2.00 per 100.

HE SPRINGFIELD FLORAL CO.
Reorganization of JNO. A. DOYLE & Co.
SPRINGFIELD, OHIO.

ention the Florists' Exchange when writing.

50,000 CANNAS

Pot now. Nice started sound roots.
$2.00 per 100; $15.00 per 1000

Mme. Crozy, Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Chas. Henderson, Burbank, Austria.

Philadelphia, Golden Moon, Queen Charlotte, Canary Bird, Leopard, Duke Marlborough, $5.00 per 100

Souvenir d' Antoine Crozy, 6 cts., Gloriosa, 6 cts; Rosemaur (pink), 8 cts.; Maiden's Blush (pink), 8 cts.; Pink Beauty, 6 cts., Unnamed, good colors, $1.25 per 100; Bronze Beauty, red leaved, 4 cts. 10,000 Potted Cannas in May and June.

VIOLETS 5000 Lady Hume Campbell, strong Fall runners, from soil, $1.00 per 100; $10.00 per 1000.

Vinca major var., 4 in., $5.00 per 100; 2½ in., $3.00 per 100.

1000 **Tritoma Uvaria,** field roots, $6 00 per 100.

1000 **Halleana Honeysuckle,** 4 cts.

1000 **Clematis Paniculata,** 2 years old, 5 cts.

1000 **English Ivy,** 2½ in., $3.00 per 100.

1000 **Hydrangea Paniculata,** 4 years, 15 cts.; 2 years, 8 cts.

1000 **Double Gen. Grant Geranium,** 2½ in., $2.00 per 100.

1000 **Caladiums,** large bulbs, 6 cts.; medium, 4 cts. Started in sand, 6 cts. and 8 cts.

5000 **Shrubs and Vines.** Send for list.

Cash please.

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES. VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings CARNATIONS Healthy Stock

	100	1000
Harry Fenn, J. H. Manley	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premier, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. { **Bride, Bridesmaid, Golden Gate,** $12.00 per 100. **Liberty,** $15.00 per 100.
From 2¼ in. pots.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R. McArthur, M. Wanamaker, Mrs. T. L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand-Morel, Xeno, $2.00 per 100; $17.00 per 1000. Cullingfordi, H. W. Reiman, Ivory, J. H. Woodford, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Bergman, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100; $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 4 in. pots	$12 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust, 60 varieties

Rooted Cuttings, 60c. per 100, $5 00 per 1000 $45.00 per 10,000.

Plants, $2 50 per 100, $20 00 per 1000.

COLEUS, Verschaffeltii and Golden Bedder, **75 cts. per 100; $6.00 per 1000**

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3 in. and 3½ in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100. **IVORY, LIBERTY.** $18.00 per 100.

Send For Catalogue.

J. L. DILLON, - Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

MISCELLANEOUS PLANTS ALL FIRST CLASS IN FINE CONDITION

	Doz.	100
Abutilon, Arthur Belsham, Boule de Neige, Infanta Eulalia, Prince of Heilbronn, Eclipse, Royal Scarlet, Robt. George, Souv. de Bonn, 2½ in	$0 35	$2 50
Achillea, The Pearl, "	35	2 50
Ageratum, Princess Pauline, 2½ in.	35	2 50
Asparagus, plumosus nan., "	50	3 00
" sprengeri, "	35	2 50
Begonia Fuchsioides coccinea, 2½ in	35	2 50
" " " 3 in	50	3 50
" Thurstoni, 2½ in.	50	3 00
Following named varieties, 2½ in., all at	35	2 50
Alba Picta, Alba perfecta grandiflora, Argentea guttata, Compta, Decora, Hybrida multiflora, Robusta, Sandersoni, Zebrinus.		
Caladium Esculentum, 1st size	75	5 00
" " 2d size	50	3 50
" " 3d size	35	2 50
" Fancy leaf, 12 leading sorts, 1½ x 2½ in.	1 25	10 00
Cannas, Austria, Burbank, Henderson, Paul Marquant, Italia, Souv. de Asa Gray, dormant roots		1 50
Above list and Fl. Vaughan, Queen Charlotte, Mad. Crozy and Egandale from sand		2 50
Coleus, assorted varieties, 2½ in.		2 00
Coccoloba platycentra, "	35	2 50
Coronilla Glauca, "	35	2 50
Cestrum, Auriantica, Parqui, Laurifolium, 2½ in.	35	2 50
English Ivy, 2½ in.	35	2 50
Feverfew, 2½ in.	35	2 00
Geraniums, assorted variety, including Ivys, but no fancy leaved, 2½ in.	35	2 50
Goldfussia, 2½ in.	35	2 50

	Doz.	100
Glechoma hederacea Ground Ivy 2½ in	$0 35	$2 00
Helianthus Mult. plenus, 2½ in	35	2 00
Hydrangea Hortensis, fine, 2½ in	50	3 00
Ipomoea Grandiflora Moonflower, 2½ in.	35	2 50
" Learii, 2½ in	35	2 50
Jasmine, Gracillium, Revolutum, Poeticus, 2½ in	35	2 50
Lantana, M Schmidt and Monfeck, 2½ in	35	2 50
Lemon, American Wonder or Ponderosa, 3 in.	60	4 00
2½ in.	50	3 00
Linum Trigynum, 2½ in	35	2 50
Lopezia Rosea, 2½ in.	35	2 50
Pilea Serpyllifolia, 2½ in	35	2 50
Palms Kentia Belmoreana and Kentia Fosteriana, clean, fine stock, 15c., 35c., 50c., 75c. and $1 00 each.		
Paris Daisy, white and yellow, 2½ in.	35	2 00
Rudbeckia, Golden Glow, 2½ in	35	2 50
Russelia Multiflora, 2½ in	35	2 50
Plumbago, Larpentæ, Capensis and Capensis alba, 2½ in	35	2 50
Scutellaria Pulchella, 2½ in	35	2 50
Solanum Jasminoides, 2½ in	35	2 50
Streptosolen Jamesoni, 2½ in.	35	2 50
Pinks, Hardy Scotch, Her Majesty, Juliette and Brunette, 2½ in	35	2 50
Violets, Swanley White, Lady Hume Campbell, Prince of Wales and Hardy English	35	2 50
Vinca Variegata, V. Harrisoni, 2 in.	25	1 50
" " " 1½ in.	35	2 50
" " " 3 in.	50	4 00
" " " 4 in.	75	6 00

Unknown correspondents please send cash with order or give satisfactory reference. We guarantee satisfaction.

THE GEO. H. MELLEN CO., Innisfallen Greenhouses, ESTABLISHED 1877. **Springfield, Ohio**

Mention the Florists' Exchange when writing.

Coleus, Geraniums, Fuchsias, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

DOUBLE

Bruant, Centaure, Comtesse de Harcourt, Double Gen. Grant, Le Cid, Gillian M. Gill, Gen. de Boisdeffre, Gloire de France, Jean Viaud, La Favorite, Mme. Charrotte, Mme. Canovers, Mme. Landry, S. A. Nutt, White Swan and others.

SINGLE

Granville, Jacquerie, Mrs. E. G. Hill, Mme. Bruant, Queen of the West, Single Gen. Grant, Wm. Ewing.

$2.00 per 100. Special prices on large lots.

Strictly Our Selection, 1000 and over, $17.50 a 1000

Dryden, $2.50 per 100.

SCENTED GERANIUMS

Balm, Nutmeg, Lemon and Oak Leaved, **$3.00 per 100.**

Variegated and Fancy, **$3.00 per 100.**

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Alternanthera, Red and Yellow	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Gaillardia Grandiflora	2 00
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Smilax	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100: $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

Robusta Canna, extra strong dormant roots, **$2.00 per 100: $15.00 per 1000.**

DAHLIA ROOTS, large field clumps. Our selection, **$4.00 per 100.**

LANTANAS, A. Cook, Aurora, E. Bayard, Harkett's Perfection, Delicatissima, etc., **$2.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm B Smith, Col D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford Mme F. Bergmann, Mrs. R McArthur, Mrs. J. G Whilldin, Mrs. Perrin, Mrs S. T. Murdock, Mrs H Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H Hallock, Wm. H. Lincoln, now ready and others coming on. **$2 00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in.	2 00
Second size, 4 to 6 in.	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3 50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

Exclusively a Trade Paper.

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Per inch, $1.25. Special positions extra. Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send 2c. stamp for complete descriptive catalogue.

Contents.

PAGE
Books, New 483
Briefs for Busy Florists 473
Canadian News (Illus.) 487
Carnations, Illus. 475
Catalogues Received 473
Changes in Business 483
Correspondence 482
Easter Trade, Later Reports, Illus. 485
English Horticultural Notes 488
Garden, A Denominational 479
Gardens, Profit in 473
Hardy Plants, New or Little Known 484
Lady Gardener, The 482
Lilies in Bermuda, Illus. 488
Market, Review of the 486
Nursery Department 473
Obituary:
  Ferrari, C. 483
  Stuart, Mrs. Chas. W. 483
Question Box 488-489
Reflections on Current Topics 483
S. A. F. Plant Registration 482
Seed Trade Report 471
Supplement 482
TRADE NOTES—
  Indianapolis, New York, Rutherford, N. J. 479
  Philadelphia 487
  Boston, Cincinnati, Marquette, Mich., Milwaukee, Providence 492
  Chicago, Louisville, St. Louis 493
  New Bedford, Mass., New Haven, Conn. 495
Weeds, Killing in Lawns 482
What our Advertisers Say 482

Kansas City may have no flower show this year.

English growers are agitating the inauguration of still another floricultural society—this time a Pansy and Viola Society.

Wm. F. Dreer, of Philadelphia, is laying out fine private grounds adjacent to his California residence at Santa Barbara.

Considerable excitement is prevalent in England over the National Sweet Pea Society's decision to exclude members of the trade from acting in the capacity of judges at the forthcoming exhibition of the society. The policy is characterized as narrow-minded and ungenerous.

THIS WEEK'S SUPPLEMENT.

Magnolia Soulangeana.

In the whole list of exotic trees and shrubs we recall nothing that so forcibly reminds us that Spring is here as does the Magnolia Soulangeana every April. We say every April, because the plant is just as sure to flower as that April will come. Wherever hardy, which is practically over the whole of our country, omitting the extreme North, it is the chief ornament of the lawn at that season, beautifying the surroundings, and giving pleasure to thousands who see it.

The illustration, showing the myriads of flowers, depicts nothing unusual. This particular bush and all similar ones are filled with flowers in a like way every season. Note how this bush stands alone in its Spring beauty amid other bushes and trees near it in a dormant state! In a large park bushes of these and other species of magnolia flowering at the same time are objects of great beauty, presenting as a whole great masses of pink or white blossoms.

The one before us, M. Soulangeana, is termed a pink one, because the unexpanded buds are pink. When the flowers open they display the white color of the inside of the petals. It is then that the great beauty of the whole is presented to view, the pink buds and the expanded white flowers mingling together. Such a picture was our bush when photographed. As will be seen, the flowers on the upper branches were not expanded, while those on the lower ones were. The display attracted every one passing near it.

What a little warmth will do for flowers is well illustrated in the picture. On the southern side the flowers are fully expanded; on the north they are not, neither are they on the top branches. The nearer the ground the branch of any shrub is, the earlier the flowers on it open, as golden bell, yellow jasmine and bush honeysuckles give us evidence of continually. But though we want flowers early, trouble often comes from warmth bringing out magnolia blooms so early that late frosts catch them. The bush illustrated has been lucky enough to escape late frosts three seasons in succession, but previous to this it lost its flowers two years consecutively. It suggests that if one has a choice it is better to plant on a northern exposure, as this may mean a week's difference in time of flowering, oftentimes sufficient for freezings to pass. In the picture before us the flowers on the north side were a week behind the others in expanding. This and similar species of magnolias seem never to tire of flourishing and flowering. This specimen is eighteen feet high by twenty-four feet in width, and it has been blooming every year since it was but two feet high. It has been permitted to grow at will; and, certainly, it fits its position well. In some situations, such as when near a dwelling, it is often better to grow magnolias as small trees, accomplished by cutting away all the lower twigs, leaving but one central shoot to form the tree.

The only safe time to transplant magnolias is in the Spring, unless they are pot-grown. Keep the roots from drying; prune heavily, and success usually follows. JOSEPH MEEHAN.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Good & Reese Co., Springfield, O., have submitted for registration, climbing tea rose "PILLAR OF GOLD." This rose was found growing in the open field among fifty plants of climbing Bridesmaid and is supposed to be a sport from that variety. It combines with the climbing habit of Climbing Bridesmaid the foliage of Duchesse de Brabant and the flower of Mdlle. Franciska Kruger. Buds pointed, first showing pink, when half expanded coppery yellow and pink, when fully expanded golden yellow flushed crimson and pink. Flowers double and full to the center, blooming on both single stems and in clusters of 3 to 8 blooms, in crops throughout the season. A vigorous, rampant, grower, making canes from 10 to 15 feet in one season. Has stood 20 degrees of frost without damage.

WM. J. STEWART, Secretary.

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange, commencing with the issue of May 2, 1903, will publish voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

SAMPLE STATEMENTS.

Henry A. Dreer, Inc., Philadelphia. We offer this week Golden Pandanus Sanderi. A cablegram from Ghent (Belgium) Exposition announces a gold medal has been awarded plants of this novelty shown there. This makes the third gold medal captured by Pandanus Sanderi, four silver medals, a silver cup, and several certificates.

Anderson & Christensen, Short Hills, N. J.: We offer a fine lot of Jardiniere Ferns in fifteen of the best varieties, from 2½ to 4 inch pots. Also Fern Spores gathered from our own stock.

Killing Weeds in Lawns.

The Agricultural Experiment Station of Vermont has been giving further attention to this subject. The fifteenth annual report, just issued, contains the following comments thereon:

Apparently most of the coarser, deep-rooted perennials can best be combated by frequent spudding or cutting out and close mowing accompanied by proper fertilization, watering and abundant seeding with the proper lawn grass at favorable seasons. Dandelions, plantains, white dasies and the docks are best dealt with in this way. These plants all have a distinct "crown" near the surface. A remedy used with some success against these pests consists of the application of a few drops of a strong acid to the center of this crown. Sulphuric acid may thus be applied with a glass tube or crude carbolic acid with a common metal oil can. In most cases, however, we believe spudding to be the better method.

There is another class of weeds which are very shallow-rooted and succeed even under close mowing because of their creeping habits or because of the abundant production of seed on prostrate stems. The orange hawkweed, or paint brush (Hieracium aurantiacum), smaller crab-grass (Panicum lineare) and common chickweed (Stellaria media) are three of the more troublesome of this class. The trials first reported in Bulletin 56 of this station showed that salt, when properly applied, is a perfect remedy against the hawkweed. It has seemed worth while to try it, along with various different remedies and methods, against the other two weeds. The outcome in the case of the crab grass has not favored the use of salt, but with the chickweed it has proved a very satisfactory herbicide.

We suggest that any one employing salt on a lawn do so cautiously and on a small scale at first, as the effects will doubtless vary somewhat with soil and season.

As regards the eradication of crab grass from lawns, the subjoined specific methods are recommended:

1. Be sure that none is introduced in the grass seed.
2. Use grass seed, fertilizer and water freely as needed to keep a full stand of grass in vigorous growth.
3. If but little of the crab-grass appears in the lawn, weed it out by hand.
4. If it occurs in considerable amount, in late Summer and Autumn rake the place where it occurs before using the lawn mower so as to raise the prostrate seed-stalks high enough to insure that they are all cut off. Repeat the raking and mowing frequently—once a week or oftener, during Autumn, to prevent the maturing of seed so far as possible.
5. Remembering that this weed grass will die during the Winter, make a heavy sowing of grass seed in early Spring so that all bare spots in the lawn are promptly covered with a new growth in the early Spring and the new seeding fully established before the crab-grass seed germinates in the early Summer.
6. For such seeding use a mixture of timothy and Kentucky blue-grass with much white clover. Ten pounds of timothy, ten pounds of blue-grass and two pounds of white clover is a well proportioned mixture for most soils; but in fighting this weed grass we have found it desirable to increase the relative amount of clover seed, especially on sandy soil. Be sure to keep the newly seeded lawn well watered.

CORRESPONDENCE.

Adiantums Croweanum and "Hybridum."

Editor Florists' Exchange:

In your issue of the 4th inst. ther appears an illustration and descriptio of my adiantum "hybridum," also on of A. Croweanum. It should be know that both represent the same plant. A soon as I heard that Mr. Crowe had stock of it and proposed to give it hi name I wrote him to say that "I raise and named the fern, years ago, A. hybridum and had sold a limited numbe of it to various growers all over th United States; and it also appears i several catalogues under my name an that no new name should be given for trade purposes, causing confusio among growers." I sent Mr. Crow plants and fronds to identify. I als protested to Mr. Stewart, secretary the S. A. F., against the name Croweanum being registered, as th committee should, before doing so, assure themselves that the plant is n already named. This writing was abo a month ago, but I have had no rep from either gentleman.

JOHN H. LEY.

[Mr. Crowe informs us that the fer are entirely distinct. The matter ca be settled through the S. A. F. O. H and is, we understand, receiving t attention of that body.—Ed.]

Buffalo's Department Store Sho

Editor Florists' Exchange:

I would be glad if you would publi the following for the benefit of t florists of Western New York:

The H. A. Meldrum Co. departme store on Maine street, Buffalo, N. held last Fall a chrysanthemum sho The classes were limited, but sufficie to draw out a really fine show. T cash premiums amounting to $400. were promptly paid, and many tho sands of people were attracted to t store. Free shows are usually very po ular.

This year the firm has asked t Buffalo Florists' Club to get up a sche ule of prizes amounting to $1,000.00 cash. The individual premiums will large, for the exhibition is to be co fined to chrysanthemums, and a ve few rose classes.

Charles Keitsch has been appointed manage the exhibition, which is a gua antee that it will be carried out in systematic and business-like way.

WILLIAM SCOTT.
President Buffalo Florists' Club.

The Lady Gardener.

Just as I was finishing off this pape a friend, who saw the title, asked n how I could write of "The Gardener a Man," when I knew that some of t gardeners were women? When I aske if he meant that some gardeners we "old women," he said "No," rath snappishly. "No," he said, "certainly no What I mean is that girls are now b ing trained in horticultural colleges an hostels, and after a two years' cours at a cost to themselves or their frien of about $500 a year, they are turne out as full-fledged lady gardeners! An believe me," he said, "the lady gardener has come to stay!" When I pointe out that the whole thing was partly fashionable fad, and partly a mea of obtaining boarding school pupi able and willing to give their labor an pay fees, and that the successes we less than a tithe of the failures, m friend waxed wroth and spake ba words! When I said that not on young girl in a hundred was physicall fitted for the necessary hard and roug labor of a garden, and that even a mal expert could never garden properly any skirts longer than a kilt or a "cutty sark," my friend's language becam quite beyond pen and ink, even as mild translation! Given a becomin costume, and robust health, the bonni lasses are quite welcome to come a play in the garden. We are all glad see them; they are, God bless 'em, a welcome as was Eve in Paradise—a welcome as are the flowers of May. Bu the tall and braw lads in the both will pity their struggles with the spad and hasten to assist them; for pity, a every mother's son doth know, is nearly akin to love.—F. W. BURBIDGE.

Reflections on Current Topics.

Mr. Editor: I am certainly deeply indebted to the gentlemen who seem solicitous about my personal welfare, as shown by the communications which appear in your number for April 11.

With reference to that "horticultural rubber ball," stated by H. A. B. to be a boon to some people, myself included, I believe I'll pass it—to the "Ginger Jar" author. Rubber balls rebound; and he can stand harder knocks, with evident relish, better than I can.

⁂

Your other contributor—John Birnie—seems to excite himself over "high balls" at club meetings, mentioning, among other things, their efficacy as a nerve-strengthener that makes men brave to sign their own names. I don't know whether the appearance of Mr. Birnie's signature at the end of his effusion is the result of the stimulative character of the New York Florists' Club "brand"; if so, he is the first Scotsman that has come to my knowledge who required "Dutch courage" to fortify him in any of his actions. The Scotch of my limited acquaintance usually have naturally nerve enough for anything.

⁂

But to the point at issue: I am willing to concede all that your correspondent claims for the cordial character of the florists' clubs; even what his "old friend, Jim Braik," remarked about the florists, though he, too, I believe, is from beyond the Tweed. But what has all that got to do with a foolish expenditure of club funds? Cannot man be friendly, gentlemanly, and sociable without drinking at the club's expense? As I look at it, there is nothing to be vainglorious about, or to hurrah over conviviality when someone else disburses the bill. The lesser meanness, too, surely lies in each one paying for what he himself consumes—individual encouragement of the habit, as it were, thus promoting Webster's wishes. That may not be sociability, or conviviality, as usually considered, but it's independence—something, by the way, all the Scotch pretend to be superendowed with.

⁂

I observe the original American Peony Society has finally got settled down to business, with a list of able men as its officers—men who actually know something of the peony cult, its needs and present drawbacks. The membership of this society, too, seems to be composed of most of "the leading firms" interested in the peony, not anxious to get into the S. A. F. by a back door. With such a combination, the society is likely to do good work, and make some real progress. No doubt it will be thankful for any little assistance rendered by the agitation created by the dogmatism—which Douglas Jerrold says is puppyism grown up—of the "association" that tried to supplant it. There would seem to be nothing left for that other body but to conform to its first orders and declare its composition, so that the members of the S. A. F. may know who's who on an important committee which might be, rightly conducted, a real serviceable adjunct to the American Peony Society.

⁂

A word, in conclusion, as to signing my name. Let me quote from an authority on this subject: "Anonymity has its uses, and some good authorities have admitted that it is one of the greatest powers of the press when properly used. In the case of an argument it often happens that two or more opponents will discuss it better when unknown to each other than otherwise. A good argument, or a well-written article, should stand on its own merits, and if couched in terms that the average reader can understand, it can generally be appreciated at its worth, whether the writer signs his name or not." We have in our trade papers nowadays some articles that are couched in unmistakable language. These are all the better signed with a "synonym," such as "The Fool." Such a signature makes them still less of a conundrum. That, and the further reason, that "what one doesn't know, doesn't vex him" is why I prefer to subscribe myself and keep others guessing as to the identity of JOB.

Obituary

C. Ferrari.

Columbus Ferrari, a well-known florist and nurseryman of San Francisco, Cal., died on March 14 last. He was born in Italy February 13, 1838, and had been actively engaged in the florist business in California for the past twenty-two years. He leaves a widow, one daughter and five sons, four of whom are engaged in their father's calling.

Mrs. Charles W. Stuart.

Mrs. Charles W. Stuart, wife of the well-known Newark (N. Y.) nurseryman, died at her home in that place on Monday last, aged 63 years. She had been in poor health for some time, and her death was not unexpected. Besides her husband, two sons and three daughters survive her.

NEW BOOKS.

THE NEW ONION CULTURE. By T. Greiner. Rewritten, greatly enlarged and brought up to the present day. Liberally illustrated, 5x7 inches, about 150 pages, cloth. Orange Judd Company, New York.

A complete guide in growing onions with the greatest profit, explaining the whys and wherefores. Thousands of farmers and gardeners, and many experiment stations have given it practical trials, which have proved successful. Clear and minute directions are given of how the plants are grown; the cold frame; seed bed; planting; fire hotbed, hotbeds heated by steam; cheap greenhouse for market gardeners; greenhouse heated by hot water; quantity of seed required; time of sowing; varieties; what soil to select; how to manure and prepare it; onions on muck soil; clean soil essential; how the plants are set in the ground; tillage as moisture preserver and weed killer; tools of tillage; danger in delay; signs of maturity; curing the crop; curing sheds; weight of crop; wintering onions; advantages and profits of the new way; estimation of cost and returns. Prizetaker and Gibraltar onions, when well grown by this method, cannot be distinguished from imported onions, and there is no reason why American farmers should not raise all that our markets require. Sold by the publishers of The Florists' Exchange. Price 50 cents, postpaid.

CHANGES IN BUSINESS.

GREENVILLE, PA. Ben Williams has opened a flower store here.

SPRINGFIELD, MASS. H. Grout has sold his greenhouses to N. F. Higgins.

CORRYVILLE, O.—Charles Schweizer has opened a branch store at 2533 Vine street.

TARRYTOWN, N. Y.—J. F. Detmer is starting a nursery and florist business here.

DEANSBORO, N. Y.—Miss Addie Foote will build a greenhouse and embark in the florist business here.

GREENBORO, N. C.—C. Scott & Co. have purchased the clover and grass seed business of J. W. Scott & Co.

OREGON, ILL.—Miss Agnes Patterson has opened a florists' store here. She was formerly with a large seed house in Rockford, Ill.

BINGHAMTON, N. Y.—Clarence F. Norton has retired from the firm of Wm. H. Graham & Co. on account of poor health. The business will be continued by Wm. Graham, its founder.

LOS ANGELES, CAL.—The Golden State Plant and Floral Company has been incorporated; capital stock, $25,000. Directors: Carl F. Schader, T. A. Johnson, T. H. Dudley, V. E. Hatheway and Nellie M. Schader.

CRIPPLE CREEK, Colo.—Frank E. Smith, formerly of the firm of Frichie & Smith, has purchased the Mitchell seed house, 1551 Champa street, Denver, and has added cut flowers, plants, birds and goldfish.

OMAHA, NEB.—Herbert Slocombe, formerly with J. H. Slocombe, of New Haven, Conn., has purchased the Clifton Greenhouses here. He will make a specialty of violets (Marie Louise variety), and will add four houses, each 20x210 feet, to the six already built.

ALLENTOWN, PA.—After Easter, E. Ashley will move from 17 North Sixth street to the Commonwealth Building and Horn Bros. will remain at their old stand, No. 20 North Sixth street. Miss Sallie L. Smith will remove from No. 103 North Seventh street to the old stand of A. B. Ellsworth, No. 17 North Sixth street, where Mr. Ellsworth will take charge once more, Miss Smith being his assistant.

GEORGETOWN, ONT.—The Georgetown Floral Company, Ltd., is the name of the new company that will enter into a rose growing project in Georgetown. J. R. Barber, M. P., R. D. Warren, R. J. Creelman, H. P. Lawson and other prominent citizens are interested in the enterprise. The capital stock will be $40,000, provided in shares of $25 each. The position of managing director has been offered to H. W. Kennedy.

A Hail Storm.

A hail storm struck Appleton, Wis., on April 1. Kienah's greenhouses suffered; also the greenhouse of the Oak Grove Cemetery.

INDEX OF ADVERTISERS

Allen J K 491
Amling E C 493
Anderson & Christensen 476
Andorra Nurseries ..472
Archdeacon & Co....473
Aschmann G 476
Atlantic Coast Nurs.473
Az P Loef & Co....473
Bader J 477
Baker W J 492
Barrows H H & Son.480
Bartram J H 489
Bassett & Washburn.474
Bayersdorfer H & Co 496
Beach Jas E 474
Beaulieu H 489
Benedict G H.......476
Berckmans P J Co..472
Beckert W C 471
Berger H H & Co..470
Bernheimer E 492
Berning H G 493
Blaauw J & Co.....473
Black C 472
Bloom J S 489
Blue Hills Nurs ...472
Bobbink & Atkins ..469
Bock W A 477
Bonnot Bros 491
Boston Letter Co....490
Bradshaw & Hartman 491
Brown Bros Co ...472
Brown E C & Co...494
Brown P 478
Bullock Miss M....476
Burpee W A & Co..471
Byer Bros 476-89
Caldwell the Woodsman 490
Cal Carn Co 474
Carmody J D 496
Cavanaugh Mrs M...481
Chicago Carn Co ..474
Chinnick W J....472-80
Clucas & Boddington 469
Conard & Jones Co 480-81
Connell B 481
Coolidge Bros 476
Cottage Gardens ...474
Cowee A 470
Cowee W J 490
Cowen's N Sons.....495
Craig R & Son.....476
Crooke J J Co......490
Croom J F & Bros..471
Crowl Fern Co.......490
Cunningham J H ...480
Cut Flower Ex 491
Dailledouze Bros ...474
Danlser F A 476
Darling C T 489
Davis A B & Son...470
Deamud J B 493
Deming Co 494
De Witt P M 480
Dietsch A & Co....495
Diller, Caskey & Co.496
Dillon J L 481
Dillon G'house Mfg.496
Dimmock A 477
Donnelly H 474
Dorner F & Sons Co.478
Dreer Hy A......494-77
Dumont & Co 492
Eichholz H 480
Eisele C 496
Eisele J G 476
Eisele W G 472
Elizabeth Nurs Co..471
Elliott W & Sons ..470
Elliott W H 469
Emmans Geo M ...477
Endtz Van Nes & Co.473
Farquhar R & J Co.470
Felthousen J E 481
Ferris Dean 489
F & F Nurseries ...472
Fischer Paul 473
Foley J 493
Foley Mfg Co 494
Foster L H 476
Frith C H V 478
Garland G M 495
Giblin & Co 494
Goodale B E 471
Goodman L J.......478
Gulick C P 478
Gullett W H & Sons 489
Gunther W H 491
Guttman A J 491
Haerens Bros 477
Hagenburgger C 476
Hammond B 494
Hammond J A 491
Harris E 481
Heacock Jos 476
Helios Upton Co ...494
Herr A M 489-80
Herr D K 480
Hermann A 496
Hews A H & Co....494
Hicks & Crawbuck..491
Hills E G & Co....493
Hilfinger Bros 494
Hill Top G'houses..489
Hippard E 496
Hitchings & Co.....496
Holton & Hunkel Co.493
Horan J & Son......489
Hor'l Advertiser ...490
Howe J H 490
Hughes G J 480
Hunt E H.......490-93
Igoe Bros 489
Invalid Appliance Co.494
Jackson & Perkins Co 471
Jacobs S & Son....495
Jennings E B 489
Jessamine Gardens..476
Johnson & Stokes ..471
Jones H T 472
Joosten C H 478
Kasting W F 492
Kay W H Co.......495
Kilbourne R 480
King Cons Co.......496
Koster & Co 472
Kreshover L J 490
Kroeschell Bros Co..494
Lager & Hurrell ...477
Landreth D & Sons.471
Lang J 491
Langjahr A H 491
Lawritzen C 480
Lenker C 472
Limbach C 495
Little So Floral Co..474
Livingston Seed Co.493
Lockland Lum Co..495
Long D B 478
Lord & Burnham Co.495
Lovett J T 477
Mader P 480
Mahoney G L & Co..473
Manhattan Supply Co 478
Mathews G P 476
Mauger W & Sons..470
McCarthy N F & Co.492
McFadden E C 490
McKellar & Winterson 493
McManus J 491
Mellen G H Co.....481
Michell H F.......471
Mich Cut Flower Exchange 480
Minor W L 480
Molatsch H A 476
Moninger J C Co...494
Monkhouse John ...472
Moon S C 472
Moon Wm H Co....472
Moore, Hentz & Nash 491
Moore W J 492
Mooris J W 476
Muno J 493
Myers & Samtman. 489
Nash S C 474
Nat Board Trade ..490
National Plant Co..489
Neipp G F 476
Netschert F 496
N Y Cut Flower Co 491
Niessen L 492
Nunally Co 477
Ouwerkerk P 472
Peacock W P 470
Pennock S S 470-92
Perkins J J 491
Phila Market 490
Pierce F O Co.....494
Pierson A N 489
Pierson F R Co ...469
Pierson-Sefton Co ..496
Pinehurst Nurseries .472
Pittsbg Cut Flow Co.492
Pitzonka G 489
Pollworth C C Co..493
Potter & Cousins ..489
Quaker City Mch Co 494
Rawlings E I ...481
Rawson W W & Co.470
Rayner J I 491
Reed & Keller 471
Reck & Son 480
Reid Ed 492
Reinberg George ...493
Reinberg Peter 474
Reynolds J L Co....490
Richards W J 471
Rider Ericsson Engine Co 495
R[illegible] & Co 491
R[illegible]perger Geo 490
Robinson H M & Co.490
Rolker A & Sons...477
Rupp J F 480
Saltford Geo 491
Sander F & Son . 477
Schmidt J C ...47[illegible]-80
Schmitz F W O 470
Schulthels A 476
Scott J 476
S[illegible]d G'houses ...473
Shepherd Mrs T B Co 470
Sheridan W F 491
S[illegible] J B & Son 480
Sim Wm 480
S[illegible] Bros .. 493
Slinn B S Jr . 491
Smith C . 491
Smith Hy A 489
Smith N & Son 476
Smith W C . 490
Smith W & T Co 489
Soltau C .. 489
Springfield Floral Co 481
Stern J . . . 478
Stearns A T Lum Co 495
Stoothoff H A Co 487
Storrs & Harrison Co 477
Stumpp & Walter Co 470
Sutherland G A ... 492
Swayne W 489
Syracuse Pottery Co 494
Taylor E J 489
Thompson J D 478
Thorburn J M & Co 470
T[illegible] M F 472
Tobacco W & T Co 490
T[illegible] J 476
Traendly & Schenck 491
Van der Meulen H J 474
V[illegible] & Co 494
Vaughan's Sd Store 470-71
Vesey W J & M S 478
Vick's Jas Sons .470
Vincent R Jr & Son 472-81
Waltz E G 470
Weber C S & Co 495
Weber H & Sons 474-76
Webster Bros 487
Weeber & Don . . 471
Welch Bros 492
Wenk P 480
Weston H . 476
Whetstone & Co .494
Whilldin Pottery Co 494
Whitton & Sons . 489
Wietor Bros 493
Winterich C . 480
Wood Bros 481
Young J . 491
Young & Nugent ..491
Zimmer Chas 480

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 476-81-96
Acalypha 481
Achillea 472-81
Achyranthes 481
Agaves 476
Ageratum ..476-80-81-96
Allamanda 481
Alpine Plants 472
Alternanthera ... 480-81
Alyssum 476-80-81
Ampelopsis 469-71-72-80
Anthemis 476
Anthericum 476-96
Araucaria 477-81
Asparagus ...470-72-76-77-80-81-89-90-96
Aspidistra 478
Asters 471-80
Aucuba 469
Azaleas 469-72-76-77
Begonias .470-76-77-80-81
Berberis 472-90
Bougainvillea 476
Bouvardia 496
Box 469-71-72
Bulbs (not named) 493
Caladium 469-70-81
Candytuft 480
Cannas 469-72-73-77-80-81-89
Carex 481
Carnations ...474-76-77-78-81-89-96
Centaurea 470
Cestrum 481
Chrysanthemums 472-74-76-78-81-89
Cinerarias 480
Cinnamon Vine 470
Clematis ...469-72-81-96
Cobæa 470-80-96
Coleus 470-73-76-77-80-81
Conifers 472
Coreopsis 472
Cosmos 470
Crotons 476
Cuphea 476-80-81
Cut Flowers 490-91-92-93
Cycas 469-71
Cyclamen .... .480
Cyperus 470-76-81
Daffodils 470
Dahlias 469-70-73
Daisies ..469-80-81-89-96
Decorative Plants 476-77
Delphinium 469-72
Deutzia 480
Dielytra 469-72
Digitalis 472
Dracæna 476-77
Ericas ... .476
Evergreens ...469-72-73
Farfugium 470
Fern Balls . .. 469-71
Ferns ..476-77-78-89-90
Feverfew 481
Ficus 472-76-77-89
Freesia 471
Fuchsias 476-77-80-81-89-96
Funkia 480
Gaillardia 472-81
Gardenia 469-72
Genista 476-81
Geraniums 470-74-76-77-78-80-89
Gladioli 469-70-71-77
Gloxinias 471
Helianthus ... 472-80-81
Heliotrope .470-80-81-96
Herbaceous Plants 469-72
Hollyhocks 469-89
Honeysuckle 481
Hyacinths 471
Hydrangeas 469-72-76-77-81
Ipomœa 476-81-96
Iris 472
Ivy 476-77-80-81-89-96
Jasmine 481
K[illegible] 469
K[illegible] 472
L[illegible] 481-96
L[illegible] 472-81
Lilacs 472-80
Lilies ...469-70-71-72-78
Linium 481
Lobelia 476-89-96
Lychnis 472
Maderia Vines 470
Magnolias 469
Maples 469-72
Manetti 481
Myosotis 489
Narcissus 470-71
Nursery Stock ..472-73
Orange 472
Orchids 477
Palms 469-70-71-72-76-77-81-89
Pansy 469-76-77-80-81-89-96
Pardanthus 472
Peonies 472-73
Periwinkles 473-96
Petunia .470-76-80-81-89
Phlox 469-80-81
Phormium 470
Pilea 481
Pinks 481
Primula 480-81
Privet 472-73
Rhododendron .469-72-77
Romneya 470
Roses . .. 469-71-72-73-74-76-77-80-81-89
Rudbeckia .. 472-80-81
Salvia ... 476-80-81-96
Sanchezia 481
Santolina 472
Sedum 481
Seeds (not named) 470-71-93
Shrubs . 469-71-72-81
Small Fruits 472-80
Smilax . 477-80-81-90
Snowballs 469
Solanum ... .481
Spiræa 472
Stevia 476-80
Stocks 480
Swainsona 481
Sweet William . .. 480
Trees 470-71-72-73
Tritoma 469-81
Tuberoses 469-70-71
Tulips 471-76
Vegetables 471-72-73
Verbena ...480-81-89-96
Vincas ..476-77-80-81-89
Vines 469-81
Violets 480-81
Water Lilies ... 471-81
Wistaria 472
Yucca 472-81

MISCELLANEOUS

Auctioneers 492
Baskets 471
Boilers 494-95-96
Books 490
Collections 490
Cut Flower Boxes . 493
Decorative Greenery 490
Designs .. 478-92-93-96
Fertilizers .. . 490
Florists' Letters .490-92
Fittings 494-95-96
Florists' Supplies 471-78-92-93-96
Flower Pots, etc.492-94
Galax 490
Glass .. 494-95
Glazing Points 494
Greenhouse Bldg .495-96
Gutter .. 494-95-96
Hose . .. .495
Insecticides .. 487-90-94
Lawn Mowers . 496
Lumber . 494-95
Mastica 494
Moss 490
Mushroom Spawn ...470
Newspapers 490
Painters' Supplies ..495
Pipes, Joints and Valves 494-95
Putty 495
Rustic Work 471
Sash 494-95
Sprayers . 494
Stakes & Supports 478-89
Tags . . 478
Thermometers 494
Tinfoil 490
Toothpicks 490
Tubs 494
Ventilators . 494-95-96
Wants 478
Wax Flowers & Designs 478

Noteworthy New or Little Known Hardy Plants.

Read by Herbert Greensmith, of Henry A. Dreer, Inc., Riverton, N. J., before the Florists' Club of Philadelphia, April 7, 1903.

The great advantages of gardening with hardy plants and shrubs as compared with tender bedding plants has been so frequently and explicitly described that it would serve no utilitarian purposes for a man of my caliber to even try to point them out. One thing I would like to say, though, and that is, that the objection of the short blooming period of these plants is all fallacious. I think it is a really meritorious thing and one which must sooner or later prove itself to every average American citizen. For a very small outlay one may have a hundred of these surprises a year—that is to say, hardy plants are being offered so cheaply that one may have one hundred different kinds to name for a very moderate outlay.

It has taken a great many years to educate the people up to the beauty and utility of these plants, which can be used, owing to their endless variety, for almost any conceivable purpose. They are or can be adapted to all soils and situations, high or low, wet or dry, sun or shade. One of the most hopeful signs of the present day is the ever-increasing demand for these plants, and that demand is being met in an energetic manner all over the country. It has been said that people buy what the local florist has to offer. How near the truth this comes I leave you to answer; but truly no up-to-date progressive florist can do a successful general business without some hardy plants.

The demand for hardy plants is only of recent date, and many beautiful varieties are unknown save to a few of the more fortunate. But few gardeners and florists have had reason for more than a passing knowledge or interest in them. Said a prominent Germantown florist to me a year ago last Summer: "I'd like to know what's the matter with the Chinese primroses I bought from you. They looked so fine and nice when I bought them. After they were through flowering I plunged them outside and they all died." I advised him to look over the place where he plunged them and see if he could not find the dormant corms. He did so and found them all right. A similar instance occurred at Riverton four years ago this Spring. A few plants of Actæa japonica were bought for trial. They were potted and I suppose had made considerable growth before being planted, which I am told was very carefully done. Result: The foliage all died off in the Fall. When I took charge of the work I was told the history of the plants and their untimely death. I rather smiled, scratched down to the roots, and found them, but was assured they were dead. Anyway, next Spring I dug them up just as they commenced growth, planted them, and the following Spring Actæa japonica was introduced as a novelty.

For many years geraniums, coleus, alternantheras, achyranthes, echeverias, and a few similar plants seemed to hold the general sway. Then came the stately canna, and in its wake now comes the ever-increasing demand for something more substantial, and that demand can only be met by hardy perennials.

In hardy plants we have been told time and again we can have flowers the entire year round. A year ago last December I went out in the woods near my home and was surprised to find the yellow aster (Chrysopsis mariana), and last December, in our nurseries, and only a few days before Christmas, I found in bloom Dianthus semperflorens, various megaseas, and one very beautiful variety of erigeron, the highly praised torch flower, in a sheltered spot, sending up its dense spikes of flaming coral and braving not the Autumn, but the Winter storms. What tender plants would have been showing up so wonderful and brave on the Autumn landscape?

Helleborus niger and its varieties, if grown in a cold frame, will give us flowers during the latter part of December and January, and those who are fortunate enough to possess a few plants of petasites or Tussilago fragrans, or "Winter heliotrope," as it is sometimes called (on account of its heliotrope-like fragrance), can have flowers of this peculiarly interesting plant in a warm, sheltered spot during the month of February.

Then along in March comes a wonderful procession of both bulbous and hardy plants. We had some twenty-five or thirty varieties in flower this March. One of the first to bloom was Adonis davurica, a Japanese species which neither frost nor cold seems to prevent from flowering in early March. This year it opened its first flowers March 3, and there are still blooms to be seen on the same plant to-day nestled down among its finely cut foliage. The plant is a good, free, easy grower, and keeps its foliage much longer than any of the other varieties and is really better adapted to the American climate than either A. vernalis or A. pyrenaica. The flowers are not quite so bright nor so large as those of A. vernalis, but it makes up for this deficiency by flowering fully three weeks earlier and by its more beautiful, clean, finely cut, fern-like foliage. Botanists say this and A. vernalis are identical, but the plants are very widely different from a horticultural point of view. A. davurica was introduced from Japan, where it is known under the name of Fuki-Yose, which means "good luck." There is also a very pretty double-flowered form of this which comes into bloom very shortly after A. davurica. The flowers of this in the early season are peculiarly interesting, having several rows of yellow petals, then several rows of green fringed petals with a small, buttercup-like flower in the center of all—the combination seems rather strange, but it in no way detracts from the flower's beauty. If it maintains this character it ought to be very successfully used on St. Patrick's Day, as all it seems to need to bring it in then is the protection of a cold frame. Later on, this green portion of the flower seems to almost disappear.

Another very early flowering plant that has excited much admiration on our grounds this year is Primula cashmeriana capitata. This is a very handsome, easy, robust growing Himalayan species, considered to be a variety of P. denticulata, though it is smaller in all its parts. The flower heads, which are globular in form, are produced on scapes six to eight inches long; the flowers are deep violet blue and very densely set in its capitate head and are both effective and attractive at this early season of the year. Its first flowers opened without any protection about the 20th of March. Under straw protection they came a little later. It is said by some to be a very short-lived plant, but it is so easily raised from seed, which germinates very quickly, in early Spring, that this point should not be considered. On account of its great beauty it should be grown by all true lovers of hardy flowers. I see no reason why it should not make a very good pot plant, though it appears not to like greenhouse treatment. Its chief points of culture are a half-shady spot, in good, rich, moist soil.

Primula cortusoides Sieboldii is a plant which has been brought before you for two or three successive years at the Spring horticultural shows. This, I consider, is one of the best and most useful varieties of the primula family. It succeeds equally well both in the greenhouse and outside. Its requirements are few and simple. For inside, take up the plants in the Fall, store them in soil in a cool spot till January or February, then divide to single eyes, potting in a good rich compost to which well-decayed cow manut, peat, and sand are to be liberally added. Use 2 or 2¼-inch pots, according to the size of the plant, moving up into 3-inch or making up into pans if wanted for decoration. These plants will stand more heat than most members of this family; the only perceptible effect has been in the lengthening of the foliage and flower stems. I prefer for best results a temperature ranging from 40 to 50 degrees. If a continuous succession of these is required, all that is needed is to bring them in gradually from December to March. By the time these are past the ones planted outside will be beginning to flower and will keep up a continuous show during the months of April and May, making it possible to have a display inside and outside for nearly four months. And there is such a beauty and variety in color running through various shades of white, lilac, and rose to deep crimson, with both plain and fringed edges, the individual flowers being nearly two inches across. Planted out in the open, the small rhizomes creep along the surface of the soil and are apt to be burned or otherwise destroyed if a little care be not exercised with them; so, as soon as their growth is completed, take a sieve and cover them all nicely over with, say, a half-inch or so of good fresh soil. This, I find, is of great benefit to them, as it protects them from the burning rays of the sun and other enemies. Quite a list of named varieties are offered. Division is the quickest method of propagation. They can be grown from seed, but it germinates very slowly. Seed freshly gathered and sown immediately will not germinate until the following Spring.

Primula acaulis cœrulea is another scarce and very choice plant. G. F. Wilson worked many years very patiently and industriously to fix this type, and the result is we have in "Wilson's Blue" a very good form of Primula acaulis cœrulea, quite a large percentage of which will come true from seed.

Shortia galacifolia, a truly beautiful plant with a unique history, was first discovered by Michaux, a French botanist, in 1788, but was not described by him; this work remained to be performed by the indefatigable Asa Gray. In 1839, being in Paris turning over the herbarium specimens of Michaux, Gray discovered the leaves and a single fruit of this singular plant with only this brief description: "Les hautes montagnes de Carolinie" (The high mountains of Carolina.) Dr. Gray's curiosity was so completely aroused that on his return to America he went to North Carolina and diligently but unsuccessfully searched for the plant. In 1877, however, wandering on the banks of the Catawba River, a boy picked up a strange flower and carried it home to his father. His father, being an herbalist, through correspondence soon learned the true name of the plant. Still this was not the true home of Shortia galacifolia. Another discouraging and unfruitful expedition was made in search of it. In 1886 Professor Sargent visited the mountains of North Carolina looking for Magnolia cordata, and picked up, among other things, a strange galax-looking leaf, not knowing what it was; but two weeks later he returned to locate his plant and Shortia galacifolia was again discovered, but only in a limited quantity. In the following Spring, however, a Mr. Harbison started out in search of it and found it growing in great masses. One writer says, in fact, there were acres of it. Truly, this must have been a magnificent sight. It is said that it was taken away in wagon loads, and still it appeared to grow in almost unlimited quantities; thus, in 1887 or 1888, it was put into commerce. In Europe it was and still is a very much desired plant, and we still find it listed as a novelty. At Riverton this plant made a glorious showing for nearly two weeks during the month of March. A few flowers still remain. It is planted on the rockery in a spot where large stones give it the necessary shade and protection it seems to require. The flowers are pure white and beautifully scalloped on the edges; the foliage is evergreen, turning to a beautiful bronze in the Fall. It is propagated generally by division, and makes a good pot plant.

Nearly everybody is acquainted with the old white rock cress, Arabis alpina or A. albida. Arabis alpina fl plena, the new double-flowering variety, though blooming a trifle later, is quite a welcome and useful addition. It produces a large quantity of double white flowers on very stiff stems which permit it to be very successfully used as an outdoor cut flower at a season of the year—during April or early May—when white flowers desirable for cutting are not overplentiful.

Anemones have been too long before the public for me to give anything but just a passing comment. I would like to call attention, however, to that beautiful companion of the Winter aconite, snowdrop and crocus, namely, Anemone pulsatilla. It is truly a good thing, being a free, early flowering, easily accommodated plant, throwing up its lovely purple, silky golden centered blooms before the leaves appear. It flourishes in nature on open hilly pastures in sunny positions and is said to flourish best in chalky soils. This is another truly wonderful family. A collection can easily be made which will cover the whole season from March to December. What is more beautiful than the pure white snowdrop windflower, Anemone sylvestris, and its newly introduced congener, A. sylvestris fl. pl., which is a double white flowering form blooming a little later than the former named, and with our native white form of A. pennsylvanica, continuing until the Japanese types take up the wondrous show! What is more beautiful in the Autumn months than a nice vase of A. japonica alba, or the larger form, Lady Ardilaun, or the beautiful, delicate pink form of Queen Charlotte? A newer arrival is A. rosea superba, a very beautiful single form nearly the color of Queen Charlotte, but a little earlier to bloom. Mont Rose, another new form, is a very large distinct kind, with large, almost perfectly double flowers of a lively shade of pink, though of a different type and color from Queen Charlotte, and it is not quite so free flowering. Some ten

EASTER DISPLAY OF JOHN COOMBS, HARTFORD, CONN.

welve other varieties have been l at Riverton, but found wanting. aaps in other soils, with different atic conditions, other equally good may be found. The most beauti- white anemone to-day is A. japon- Geant Blanche, sent out by that ller-worker in novelties among ts—V. Lemoine. It is simply a white gigantic form of A. japon- with extra strong foliage and as, and flowers three to three and alf inches across, and is a free and rous grower.

very cheerful sight in the early ng months in a bed or border is a bunch of the German catchfly, hnis viscaria. This is a very use- plant for cutting, but the most pop- lly known plant of this family is double scarlet form, which ought nd a place in every garden, how- small. A handsome pure white ered form of this valuable class of ts is its last addition, and a truly ndid thing it is. It is a neat grow- plant through the Summer and a desirable and useful one for cut ers in early Spring, when good e flowers are none too plentiful.

odium Manescavi, though not a plant by any means, is one which lmost constantly in bloom through- the whole season. It will grow and rish in the poorest of soils, where dreds of other things would simply sh, and still throw up its most rful flowers in the most contented ner, if such a phrase is permissible orticultural parlance. It is a mem- of the stork's bill family and the ngest and most showy member of having deeply cut oblong pinnate age and umbels of large, rosy pur- flowers. It is very easily raised n seed. It does not appear to like g disturbed after it is once estab- ed, on account of its long roots. s is a grand plant for the rockery ought to be more largely grown.

very interesting family of really fashioned hardy plants is the mo- da. Monarda didyma has held its e in almost every collection of note nearly two hundred and fifty years uly a most remarkable record. But, growing side by side with its com- r, M. didyma splendens, last Sum- on a bank gradually sloping down he edge of a lily pond, where both le a remarkable showing, poor old didyma was completely outdone by brilliancy of its rival, M. didyma ndens, which is a more robust wer and flowers more profusely and ntensely bright in color. Growing in group in beds from four or five wide and twenty-five to thirty feet g were M. fistulosa, M. d. purpurea, d. rosea, and the two above men- ed, but all sank into comparative gnificance alongside the newcomer. se plants are readily increased by sion.

(*To be continued.*)

New York Botanical Garden.

he program of the Spring series of ures at the New York Botanical den has just been prepared. The ures will be delivered in the lecture of the museum building on Satur- afternoon, at 4:30 o'clock, as fol- s: April 18, "A Tour of American erts," by Dr. D. T. MacDougal; il 25, "The Vegetation of the Flor- Keys," by Dr. M. A. Howe; May 2, e Framework of Plants," by Dr. M. Richards; May 9, "Illustrations Some Features of the West Indian ra," by Dr. N. L. Britton; May 16, e Food Supply of Young Plants," Prof. F. E. Lloyd; May 30, "The or-Variations of Flowers," C. C. tis; June 6, "The Streams, Lakes, Flowers of the Upper Delaware, the Story of the Sundew," by Mr. nelius Van Brunt; June 13, "Vege- le Foods," by Dr. H. H. Rusby. se lectures will be illustrated by tern slides and otherwise.

Amherst, Mass.

study the diseases of plants and eek methods for prevention or cure he object for which Ralph E. Smith been called from the Massachusetts icultural College at Amherst to be- e assistant professor of plant pa- logy in the University of California. paragus rust is the disease which receive his first attention.

Washington, D. C.

ydney B. Wertheimer, of Lion & rtheimer, New York, was a visitor week.

Later Reports of Easter Trade

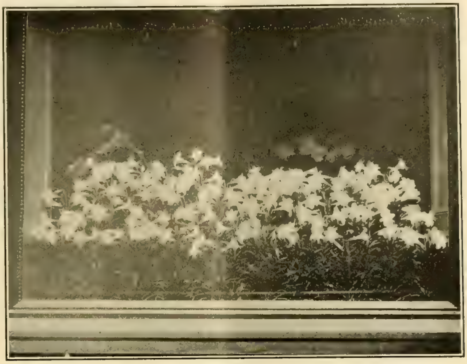
A Correction.

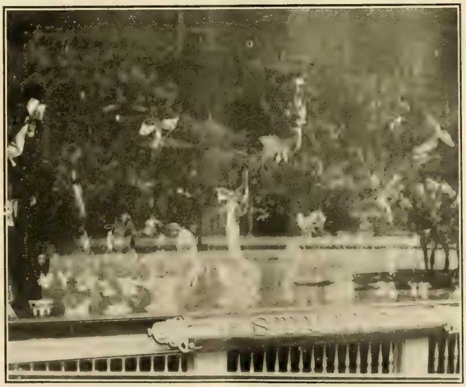
In my notes of last week I am made to say that the daily paper estimated the sale of cut flowers in St. Paul for Easter week at $10,000. This is a mistake, as it should be $100,000. I said one-tenth of that estimate would be nearer the truth. I meant one-tenth of $100,000.

VERITAS.

NEW BEDFORD, MASS.—Easter trade in this city was good. Prices were the same as those of last year. Considerable bulbous stock was left over in some stores. Chamberlin had a good supply of everything and sold out clean. S. S. Peckham, of Fairhaven, who established a branch on Fourth street here, is well pleased with his venture, as it provides him with a fine outlet for his stock.

X. Y. Z.





J. H. Small & Sons.

George Stumpp.

EASTER DISPLAYS OF NEW YORK RETAILERS.

DAVENPORT, IA.—Eastern trade showed a slight increase over last year's. There was a scarcity of lilies. More plants were sold than ever before. Some daffodils and other bulbous stock were left over. Owing to the scarcity and high prices of L. Harrisii, more callas were disposed of than usual at Easter.

J. T. TEMPLE

YORK, PA.—Easter trade was as good as that of last year. There was a great demand for lilies and hyacinths. The best selling stocks in cut flowers were carnations and roses. The prices were the same as those of last year. Baskets made up of lilies and jonquils and hyacinths, others of azaleas and hyacinths, sold very well at from $3.50 up to $7.00.

CHARLES E. SMITH.

BANGOR, ME.—Easter trade was the best in twelve years, owing to very fine weather and lateness of the season. I disposed of large lots of lilies, mostly longiflorum; azaleas, palms and Boston ferns at good prices 15 per cent. ahead of those of last season. Holland bulbous stock moved slowly at low prices. Carnations, Mrs. Lawson and other sorts, were the best sellers, at top prices; next came violets. Roses were in moderate demand. We cleaned up very nearly everything. Made-up lilies in large pots, with from 26 to 48 buds and flowers, tied with handsome ribbons, the pots covered with waterproof crepe paper, sold best and at high prices. I am looking ahead to a very prosperous Spring trade.

CARL BEERS.

NASHVILLE, TENN.—All the florists report Easter trade far in advance of last year's. Joy & Son had some very fine hydrangeas and azaleas that went at from $5.00 to $10.00; also some Crimson Rambler roses that sold well. Cut flowers always sell. Bride and Bridesmaid roses brought $1.50 to $2.00, carnations, 75c. to $1.00 per dozen. Geny Bros. had some fine azaleas and longiflorum lilies. The weather was clear and fine.

B. F. HENSLY.

SPRINGFIELD, MASS.—Easter trade was all that the florists could wish: good weather to bring on flowers that were a little late, and fine weather for handling plants. It was said that lilies would be scarce, but there were enough of them to go around, and at rates about as usual, although, in general, prices of flowers and plants were somewhat higher than last year. Azaleas, rhododendrons, astilbe, Crimson Rambler roses and bulbous flowers were abundant. Hyacinths in fancy baskets, with ribbons, were a feature with most of the storemen. On the whole, a very satisfactory Easter business, is the report of all. Many of the churches were beautifully decorated, although not lavishly; more flowers were used in this way than in some former seasons.

G.

LYNN, MASS.—Easter trade this year was, on the whole, satisfactory. Plants in small sizes sold better than last year. Lilies were very plentiful; very few were retailed for more than 15c. a flower, and on Saturday some of the florists dropped the price to 10c. The azalea was the next best selling plant, most all the good ones were cleaned out. Other plants sold in limited numbers. Nothing new was offered.

In cut flowers, carnations, as usual, were in greatest demand—there was not enough of them; 75c. to $1.00 was the ruling price with a few at $1.50 a dozen. Violets also were largely asked for, but were not as good as last year. A great many more could have been sold. Nothing seems to take their place for ladies' wear. Other flowers went when carnations and violets were gone. Bulbous stock moved very slowly. Church decorations were about the same as last year; nothing elaborate or new was noticed.

J. M.

SAN FRANCISCO, CAL.—Last Sunday was a benign Easter day in San Francisco. The past Easter will undoubtedly serve florists as an epochal date for future trade activity comparison. From a trade viewpoint observation made by J. F. Culligan, in service the last twenty-three years with Geo. B. Jones' 40-year-old floral stand at 317 Sutter street, the information was gleaned that business this year proved a highly emphasized record-breaker, an improvement as three to one over that of last year, when the coast record for Easter floral trade was scored. There was no advance in prices, not even for San Francisco's very popular carnations, the choicest of these going as usual at $1.50 per dozen. Everybody seemed to be in want of palms, ferns and lilies, and as the supply appeared to be limitless, the remarkable demand was met.

A new florist and decorator, Benj. B. Welch, arrived in this city and opened his store four days before Easter. A profitable business ensued. Florist Welch was successful in the Sacramento trade the last seven years. Decorative work is a feature with him. He is located at 321 Geary street.

ALVIN.

DENVER. Easter trade this year was up to expectations, with perhaps a slight increase. The weather throughout the week was ideal and was a big help in the matter of delivery. Saturday night it looked stormy and by Sunday morning early a full-sized snowstorm was in evidence and the day was very disagreeable and hurt trade quite seriously. What surplus remained after the rush might be laid to the bad weather of Sunday.

The show of stock this year was grand and, contrary to expectations, very little grumbling was heard about short-stemmed lilies. A low pot, or pan, of lilies, containing about fifteen to twenty blooms, was very popular. The lily was the thing this year, and by Saturday noon the supply ran short, 25c. per flower and bud being the general price. Crimson Rambler roses were fine, but moved slowly. Lilacs, of which some very good ones were offered, sold slower than in previous years. Spiraeas were plentiful, but cleaned out very satisfactorily. Azaleas sold well, as usual, but medium-sized plants found most favor, a few large specimen plants going slow. Some very good hydrangeas were offered and went well.

Plant baskets sold when something choice was wanted, but, as a rule, this year the people were after a medium-priced article.

In cut flowers, trade was good, carnations going best at 75c. to $1.00 per dozen, with the supply limited. American Beauty roses were in demand at prices ranging from $4.00 to $15.00 per dozen. In teas, the choice ones moved fastest, and at good figures, the best fetching $4.00 per dozen. Selected Mme. Abel Chatenay and Liberty brought $5.00 per dozen. Violets were very good for the season and sales satisfactory, these flowers fetching $2.00 per 100. Bulbous stock was overdone, and most of it was held over, only to be dumped.

P. S.

KANSAS CITY, MO.—The Easter rush over, the greenhouse men have time to sum up and plan for Spring planting. Without exception reports agree that the demand for Easter was all that could be desired and a cleaner, more profitable business has not been done before in recent years. A heavy increase was noted in the demand for blooming plants, which was met with a fine array of well-grown material. Unusual care had been given the Crimson Rambler roses and they sold readily at $3.00 to $5.00 each, in 8-inch and 10-inch pots.

The lateness of Easter Sunday this year was rather rough on the azaleas and acacias; notwithstanding this fact, the plants sold at the usual price of $3.00. Dutch hyacinths were never better, and the made-up pans containing 7 to 9 bulbs brought $2.50 and $3.00 each; and when a little matting and ribbon were added $5.00 per pan was the price obtained. The trimming of potted plants is becoming a necessary adjunct to quick sales, and prices obtained more than pay for the extra time and material required. Between the churches and hotels the stock of palms and decorative goods was about equally divided.

Those florists were lucky who had enough lilies for their trade and a goodly supply over, as lilies were much in demand for the after-Easter weddings.

In cut stock, there seemed to be no noticeable change, either in the supply or demand, over that of 1902. Roses sold at $3.50 and $4.00 per dozen. Fancy carnations at $1.50 and $2.00 were faultness, and, bulbous stock being plentiful, there was no reason for sending out salted goods. Daffodils went slowly, at 75c. per dozen. Violets were scarce at $3.00 per hundred.

There was a marked increase in plant sales, with the cut flower average about normal, making an advance of about 20 per cent. over last year.

Two familiar faces were seen this week—those of A. Ringier and John Fotheringham. Onion sets and the Pierson fern have an upward tendency about now.

Samuel Murray is once more at his desk, after three months' illness. Arthur Newell has also recovered.

ELLSWORTH.

MILWAUKEE.—Easter trade was fully 25 per cent. ahead of last year's. There was an abundance of stock in all lines, with the exception of carnations, the call for which was far beyond expectations. They were the popular Easter flowers and the sale of roses suffered heavily in consequence. Cut lilies went well and the supply was sufficient to meet all demands. Violets were off crop, having suffered on account of the warm weather during March; those on the market found ready sale. There was enough bulbous stock to go around. One of the principal features was the large variety of blooming plants in the market this year and the lavish displays made by the retailers. Among the growers, Chas. Zipnick had a fine lot of cinerarias, lilies and potted roses which were right in their prime. A. Billing made a specialty of lily plants and brought in an excellent lot. A. Klokner had a fine batch of lilac, mostly of the white variety, in bloom. Currie Bros. brought in some well-grown hydrangeas and azaleas, which sold well. C. C. Pollworth Company had a fine lot of lilac, longiflorum lilies, and lily of the valley in pots; also an excellent lot of Van der Cruyssen azaleas and a few Spiræa Van Houttei, which took well. Their roses were also in full crop and of excellent quality. The sale of palms and ferns was somewhat light, probably due to the large and varied supply of blooming plants in the market.

The retailers all report a prosperous Easter business. Currie Bros. made an excellent display in a large assortment of blooming plants. Wm. Edlefsen likewise had on hand a larger variety of blooming plants. Peter Kapsalis had his new store filled with azaleas, lilac, rhododendron and lily plants; also made an excellent window display. Jas. Fox, M. A. McKenny & Co. and Bamgarten Floral Company all carried a large stock and cleaned out everything salable.

The weather was excellent up to Saturday, when rain set in and disagreeable weather followed for a week later, shortening up the supply of cut flowers. Easter prices kept in force.

P.

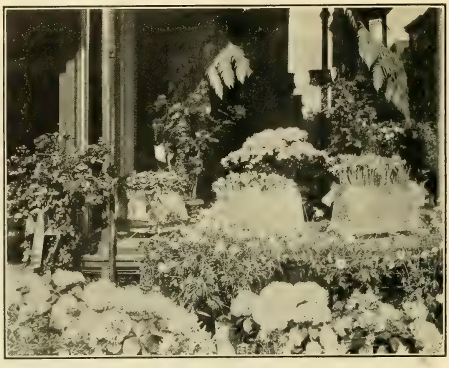
SALT LAKE CITY.—Easter business this year was about the same as last. Good flowers were in better demand. The weather was warm. Imported stock arrived in poor condition, and found slow sale. The new firm, the Salt Lake Huddart Floral Company, had an exceptionally fine lot of lilies, which found ready sale, and their Prosperity carnation house of five thousand plants was in the pink of condition. Trade generally here was good in cut flowers and potted lilies, but there was a slow sale for other potted stock.

P. T. HUDDART.

A Table Decoration.

The accompanying illustration is reproduced from a photograph of a table decoration recently furnished by Julius Baer, of Cincinnati, O., on the occasion of the Addy-Nave wedding. The materials used were Bride roses and Asparagus Sprengeri.

Review of the Market



EASTER DISPLAY OF HODGSON, NEW YORK.

TABLE DECORATION FOR A WEDDING.
Made by Julius Baer, Cincinnati.

NEW YORK—The wholesale cut flower trade of the past week has been anything but satisfactory. Usually, for a few weeks following Easter, business holds up quite well, but this year seems to be an exception, and we find the market at this time somewhat oversupplied with almost all kinds of seasonable stock. Of all the flowers coming in, there are only two classes of which it can be said the demand is equal to the supply—lily of the valley and white sweet peas. For these there is a good call, and the higher quoted prices prevail.

Violets, from the Poughkeepsie region, are still fairly plentiful, much more so than is the supply from Rhinebeck. It is evident, however, that the violet season is about over. Storemen buy but very sparingly, and the Greek merchants who usually handle so many of these blossoms, are leaving them alone almost, turning their attention chiefly to other Spring flowers.

Business in all kinds of roses is generally unsatisfactory; only a few can be sold at the highest quoted prices. The supply is so large that a great many have to be cleared out at bargain figures after having been held over a day. The standard varieties are now being greatly augmented by such kinds as Kaiserin Augusta Victoria and Ulrich Brunner, which have begun to come in quite plentifully.

Carnations have taken quite a tumble in value within the last few days. While the supply does not seem to be particularly heavy, the call is only for small lots, and it is a difficult matter to clear out unless the flowers are offered at bargain prices.

Excepting for a few out-door grown tulips the market is almost void of these blooms, but the supply of daffodils and other yellow narcissus keeps up amazingly. Lilies are in evidence in huge quantities still, and prices are down.

Cattleyas and lælias are coming in in limited quantities and the demand for them is only moderate.

Pansies, trailing arbutus, stocks and antirrhinum are on hand in quantity, and there is a limited supply of gladiolus.

Smilax is no longer the good thing it has been so long; the supply has increased materially, and a downward tendency in values is the result.

BOSTON.—Business this week has been very quiet, though at the market on Monday it opened up quite brisk. But growers and salesmen were not numerous, owing to the holiday, and the improvement was short-lived, as on Tuesday, with more stock, it moved harder at lower prices. On Wednesday the market took a decided slump, more especially in carnations. First-class flowers were freely offered Wednesday at $1.00 to $1.50 per 100, and
at that were not all cleaned up. F
dropped to $3.00 per 100.

Roses, too, are very plentiful afte
warm sun of the past six days, a
not find enough demand to clean o
daily receipts. Special American B
make $25.00 per 100, with No. 1 at
and $20.00, and smaller ones at from
up to $12.00. Special Bride, Brides
Kaiserin Augusta Victoria and So
du President Carnot make $8.00 pe
and go slowly, with seconds at $5.0
$6.00, and smaller ones at from $1
$4.00. Ulrich Brunner and General
queminot are in fair supply and sell
well, specials of the former rea
$10.00 and $12.00 per 100, while the
grade in the latter realized $16.00.

The supply of bulbous stock is d
ishing somewhat and much of it is
ferior grade, which makes it hard
dispose of. Good stock sells bette
than for some time; best Von Sion
making $2.00 per 100. A few tulips,
outside, are coming in, but there is
demand for them. Lilies continue p
ful at $6.00 to $10.00 per 100; and l
the valley is druggy. Some very
frame valley has arrived which sell
at $2.50 to $3.00 per 100. Violets co
in fair supply, but really fine one
becoming scarce. Sweet peas, pa
primroses, etc., are plentiful and sell

F. J

CHICAGO.—Reports, generally, a
the retailers indicate that the past F
trade was the best ever experience
though there was not so large a ca
cut flowers as in former years. No
the high price of carnations had a
dency to diminish the sales of
Some retailers report reduced sal
American Beauty also. The gr
business was done in the plant
Never before has the retail trade
chased so many plants as this yea
Easter. And in every case the u
were well satisfied.

Harry C. Rowe had some fine ba
of flowering orchids, and found them
sellers. He had an extra store to ac
modate his plant trade. Fleishman d
immense business in plants, and sai
increase over last year's trade was
50 per cent. Azaleas and hydra
were their best sellers. Some well
ered metrosideros also went well.
Lange did a good business, both a
old and new stores; plant trade wit
was better than anticipated; pot
were in great demand. E. Wienhoe
Co. report a good plant trade; also a
creased cut flower business. Pric
plants were about the same as in f
years. In cut flowers, carnations
higher. Mangel, Kreitling, Friedma
Samuelson, W. J. Smythe, P. J.
wirth, Johnson and Swan, and Stra
report increased trade, with prices a
higher on cut flowers, especially c
tions. They all, with one or two e
tions, carried a large stock of pot p
Friedman obtained $50.00 each for
large azaleas. The Geo. Wittbold
pany did an exceptionally good bus
and carried a fine stock of flow
plants. They found rhododendrons
sellers, and estimated the trade at
20 per cent. higher than that of last
Vaughan's Seed Store did a fine bus
in flowering plants, and was fully sol
by Saturday night.

Trade the past week, after the
day or two's inactivity, was all that
be desired. Shipping business was
and prices held up well for this tin
the year. There does not appear
an over-supply of anything coming
present. The quantity of carna
reaching the market has increased
siderably. An augmented demand
been experienced on account of the in
lation of the City Council. One ret
had an order calling for 500 Ame
Beauty for that occasion.

F. F. Benthey & Co. are receiving
500 long-stemmed American Beaut
fine quality as usual.

Peter Reinberg is cutting some
fine Mme. Abel Chatenay, which
readily at $10.00 per 100, wholesale.

Spring trade with the seed store
rather slow—a fact due to the conti
cold weather.

R.

BUFFALO.—Aside from some sort
bulbous flowers but little was here
over from Easter stocks that required
justment, so a steady condition was e
reached. The same class is still plen
for that matter, and prices incline
Roses seem to be in what approa
an over-supply, though not as yet a
Carnations do not accumulate; on
other hand, the daily receipts are qui
absorbed. The cooler weather still h
the quality of violets, also the su
Matters in general have settled d
since Easter, with a business neither
active, but fairly pleasing, neverthe
Some wedding and party decorations
in line quite frequent, but nothing
in any individual case. With some of
retailers funeral work has mater
helped to increase trade. Flowers ar
ample supply for all possible needs,
in quality good.

VII

PROVIDENCE, R. I.—Business s
Easter has been fair, with a little so
thing doing among the social set, an
light demand for piece work. Roses
plentiful at 3c. to 6c.; carnations are
as fast as they come in at 2c. to 3c.
extra good stock. Tulips and double
fodils are about gone. Good green
terial of any variety is in demand
light supply.

C. S.

LOUIS.—The week after Easter ot much to the liking of the re- orists, who claim that business has off greatly. Some say it was a week to rest up after the very busy Plenty of every thing was in the t. The wholesalers are kept busy g what's left over in the ice boxes the morning sales. Prices are also off somewhat and in some lines can be bought at one's own figures. ing trade has kept up better than xpected after the Easter rush; in ne Frank Ellis reports a big trade n and Berning have also a good to say about shipping orders.

best long American Beauty roses ring $3.00 and $4.00 per dozen, with of shorts at any price. A fine other roses is in the market, with alues as low as $4.00 and no higher $8.00 per hundred. Lots of Bride ridesmaid, also Golden Gate.

carnation market is showing a bet- ondition than at any time during eason. The quality is good, and range from $2.50 to $4.00 per hun- The demand for carnations keeps specially for white and pink ones. e extra fine sweet peas are coming nd the long-stemmed flowers bring shorts, 50c. per hundred. Peas are ing more plentiful each day, and oon be a glut.

lets are a thing of the past, the weather putting an end to them.

reat glut is now on of Harrisii and lorum lilies, which can be bought 10.00 per hundred and the buds not ed. Lily of the valley and other us stock are in plenty, and the de- slow. Dutch hyacinths are selling the light colors only.

ilax is having a good call, owing to big weddings the past week, and mber this week. The market is in a condition just now that the man a big job can congratulate himself he can get what he wants without trouble. ST. PATRICK.

IANAPOLIS, IND.—"Just fair" is erm that may be applied to the r trade of Indianapolis. Had the ner been ideal instead of the oppo- business would have eclipsed that of ther years by a large margin. The men felt the effect of the weather far than the wholesaler or marketmen. n immense lot of funeral work on ay and Tuesday cleaned up every- in sight.

es sold exceedingly well this Easter. being a large demand for Bride and smaid, which went at $2.00 and $3.00 lozen. Short and medium stemmed ican Beauty sold well. The demand ng-stemmed Beauty was light. Lib- roses at $4.00 to $6.00 per dozen just a notch too high for most cus- rs. La France and Souvenir du dent Carnot roses sold well at $3.00 .00 per dozen, Sunrise at $2.00 to per dozen. An immense lot of tions was disposed of at an aver- rice of $1.50 per dozen, there being orders for boxes of one dozen car- ns than of any other thing. Sweet were favorites at $3.00 per hundred lisplaced violets, for which there was t demand. The small stock on hand to be pushed to be disposed of at 50 per bunch of twenty-five.

ver before did plants sell so well. marketmen disposed of enormous tities at prices above the average r figures. The storemen, too, Bert- nn, Wiegand, Billingsley and Rieman, well supplied with plants and ed up exceedingly well. Thirty-five ct kinds were counted in Berter- 's conservatory on Saturday. Azaleas the lead in specimen plants; pink cerise-colored plants, which ranged in from $2.00 to $5.00, sold in large tities. Lilacs, neatly arranged with and cover of Porto Rican matting, well at $2.00 to $3.00. Crimson Ram- roses are no longer a novelty, and not sell as well as expected. Hy- geas, with three to five large ns, were quickly disposed of, and, e other plants, sold better without n, etc.

e supply of lilies did not meet the nd by one-third. With the major of Easter buyers they were prime ites, as indicative of the seasonable t. Hampers containing four to five finished with moss and several ks, brought $6.00 to $8.00.

aller plants, such as hyacinths, daf- and pansies, were in evidence and particularly well. Distinct Easter lties, such as eggs, ducks or baskets ed with chickens and bunches of rib- did not sell, as the customers wanted rs, and not some novelty at two or times its value. I. B.

CHESTER, N. Y.—Certainly business never better, especially in the cut r line, as the main cry was "Not gh," even of violets, for when one keeper could have used 10,000 more. aggregate wanted was enormous. ations were very scarce, and sold ly at $1.00 per dozen. As for the trade, leave that to Wilson, who s to have sold out far beyond his tations. Especially fine were two oot houses of hydrangeas in 10-inch some plants having as many as large clusters of bloom. They have three plants left over of this stock. eas and all potted stock sold well. J. eller Sons report trade as 25 per cent. r than in previous years and still not fill orders for cut flowers except for high-price roses, of which some are left. This firm also claims a large shortage in violets, which can hardly be accounted for except in the excessive demand. Salter Bros. make a much similar report, and cleared up in fair shape. This firm thinks that cheap plants are things of the past, and in future will only handle that class of goods which for same amount entails less labor and more profit.

The "sell everything" stores are beginning to show dormant roots of roses, etc. No doubt they increase the love of plants in the breasts of some people, and in that way help out the florist, but 'tis peculiar that when such plants die the first person thought of is the florist, who, if he knows a good thing, will keep away from it.

The enterprising seed firm of Jas. Vick's Sons is certainly educating the public, for with their tasty catalogue and genial Tom Logan, more seeds are sold every year than previously, thus proving that to the retail seedsman at least advertising and first-class treatment to customers pays.

Cut flowers that were shipped in from surrounding towns showed effects of pickling; considerable of which stock one man threw away entirely. What is to be done in cases of this sort? Might not a florist better roll up a bill and throw it in the river? He would certainly be saving loss of time and much disappointment, to say nothing of "cuss" words heaped upon the "pickler."

General clearing up of left over plants is now in order, and Decoration Day comes next. One would imagine that that day is to-morrow by visiting the Vick & Hill Company. This firm has the largest order for Spring bedding stock to grow (which requires the entire room in three 100-foot houses) that it ever had; also a largely increased shipping trade. The question of competent help with this firm is a great factor; perhaps 'tis so with other firms. Method and good management are the two essentials, and here they can be found, and this only after years of patient toil and care. A. H. SECKER.

EASTER DISPLAY IN STORE OF JOHN H. DUNLOP, TORONTO, ONT.

PHILADELPHIA, PA.—Business has kept up wonderfully well since Easter. Nearly all the retail stores have been very busy with wedding decorations, and all have used large quantities of stock. All cut flowers are now coming in in excess of the demands; and, while there is not any large accumulation, prices are being cut very much in order to unload. The cool weather has helped the production of roses. American Beauty are very abundant. Carnations have greatly improved in quality the past week; there are better flowers of some varieties now than we have had all season.

Wm. J. Baker, always known in the past as a specialist for good carnatoins, has for some time and is still handling a lot of choice Bride roses. DAVID RUST.

San Francisco.

Sievers & Boland have rented the entire ground floor of the building located at 33 Post street, which they are fitting up as a salesroom and warehouse.

Canadian News

Hamilton.

Gardeners and Florists' Club.

The club met on Tuesday, the 21st inst., in the hall, James street north. There was a good turnout, including the leading members of the Horticultural Society, who were present on invitation. Roderick Cameron, of Niagara Falls, Ont., read a very fine paper on perennials. He mentioned particularly the value of these plants to florists, and the great advantages which they possess over bedding plants. In shrubs special mention was made of Daphne Mezereum, which grows wild with him. He also brought sprigs of many fine conifers, cupressus, juniperus, retinosporas, etc. They all do finely with him. Mr. Cameron is head gardener at the famous Queen Victoria Park on the Canadian side of the Niagara River, and for several years he held a position in this city. Perhaps no man in the country is in a better position to speak authoritatively upon hardy perennials. He has certainly ample opportunities for gaining a wide knowledge of them, as the park reserve extends almost all the way from Lake Ontario through to Lake Erie; a truly ideal park, running right along the river bed and tempered in Winter by the river, which rarely ever freezes. Whether it is the proximity of the water which renders so many plants hardy there, I cannot just say with certainty, but the fact remains that one may see beds of hybrid rhododendrons unprotected in Winter, and thriving specimens of laburnum and Sophora japonica—trees which there is little use in trying to Winter elsewhere in Ontario. Many perennials which, at Hamilton, seem to be killed by ice or a want of snow, are quite easily handled by Mr. Cameron. His paper was much appreciated by the members of the club.

D. C. Nixon, of Toronto, publisher of the Canadian Florist, was at the meeting. He felt sanguine that his paper was going to fill a long-felt want for the Canadian trade. He was given a hearty reception by the members. BEAVER.

ROSES

C. Soupert, 2 inch	$3.50	per 100
Hermosa, 2 inch	3.50	"
Crimson Rambler, 2 inch	4.00	"
Mme. Plantier, 2 inch	4.00	"
" " field-grown	8.00	"
Prairie Queen, 2 inch	3.50	"
" " field-grown	8.00	"

Webster Bros., Plantsmen, Hamilton, Canada

TORONTO.—Business since Easter has been generally very good for the retailer. Several weddings have called for a good many flowers. The funeral of Sir Oliver Mowat, Lieutenant-Governor of Ontario, used up a large quantity. Stock is to be had generally at low prices. Lilies and lily of the valley are very plentiful; carnations are a little scarce and good ones sell freely. Roses are still good and are becoming plentiful.

Business in all lines here is booming, and although hundreds of men are coming in from Europe they are quickly picked up and put to work.

Our seedsmen report trade far away ahead of former years; the same with nurserymen, in many lines they are already sold out. There is a good demand for Spring bedding plants, at fair prices, so the growers ought to be able to get back the price of their coal. THOS. MANTON.

HAMILTON.—Business is good on the whole. There has been a very active demand for cut flowers, more than can be very well supplied. There seems to be a small surplus of Easter lilies and they are, as usual, clearing off very slowly. Lilies are poor stock to have on hand after Easter. The weather is cold and backward, but there has been very little frost. B.

Philadelphia.

Pennsylvania Horticultural Society.

There was a very fair attendance at the meeting on Tuesday last. The reports on the past Spring show were very satisfactory, and several members spoke of the good work done by the committees and judges. The prizes at the meeting on Tuesday last for hydrangeas, offered by Mr. Samuel T. Bodine, brought out some grand specimens. First prize went to Wm. Robertson, gardener to John W. Pepper, Esq. His two plants were the best ever seen here; they were four feet through, in 12-inch pots, and had from 23 to 26 blooms, all of which measured from 10 to 12 inches across. First prize for amaryllis went to John Thatcher, gardener to E. Le Boutillier, Esq. In vegetables, John McCleary, gardener to Wm. Weightman, Esq., carried off the honors with some well-grown lettuce and Zion House beans.

Several members present spoke feelingly of the sad death of James W. Withers, publisher of American Gardening, mentioning the good done by him among the gardeners, and for the welfare of horticulture.

Jottings.

Milton Woodruff did not last long as a commission man. He has already closed up.

The annual shoot of the Pennsylvania State Sportsmen's Association, which will be held here under the auspices of the Florists' Gun Club on their grounds at Wissinoming, May 18 to 23, promises to be a grand affair. Entries are already coming in.

Harry Bayersdorfer, accompanied by Mrs. Bayersdorfer, will sail for Europe on his annual purchasing trip, on May 9. DAVID RUST.

SALINA, KAN.—John Buchi, florist, died suddenly Sunday forenoon, April 12.

BALTIMORE.—The Gardeners' Club is considering the advisability of erecting an iron and glass structure for flower market purposes in connection with Lexington Market.

TOBACCO POWDER
THE BLACK STUFF FINE For Sprinkling Only.

WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

English Horticultural Notes.

A NEW HARDY, WINTER-FLOWERING JASMINE.—Chief among the novelties brought into the commercial arena during the past few weeks is Messrs. J. Veitch & Sons' evergreen Chinese jasminum, specifically named primulinum, the derivation of the latter name being obvious. Undoubtedly this is one of the best hardy climbing plants of recent introduction. In a line, its merits are these: It is evergreen, hardy enough to stand 16 degrees of frost (as experienced), a quick and vigorous grower, bearing flowers 1 1-3 inches to 1¾ inches across the corolla, some of them being semi-double, and produced in satisfactory quantities. It is doubtful whether it will ever furnish the dazzling display of bright yellow blossoms that J. nudiflorum does, but established plants will soon settle that point, and we trust for the best. The shrub was sent to England from Yunnan (Southern China) by the firm's collector, E. H. Wilson, whose explorations have been so very successful. As a pot subject for the Winter garden and house decoration, the plant will take a place. It can be grown dwarf and bushy, and in character it is dark green and glossy.

PRIMULA KEWENSIS.—Probably even more to American taste is our new Primula kewensis, an A1 hybrid raised at the Royal Gardens, Kew, and offered through Messrs. J. Veitch & Sons, Ltd., Chelsea, London. No Winter-flowering primrose equals this one in floriferousness or brilliance. The inflorescences are reared a foot high, boldly held above the handsome bright green foliage, which is profuse, and their characteristic is the verticillate or whorl-arrangement of the blooms. Tier upon tier, the intense golden blossoms arise, and the wiry brown stems are elegant withal, rendering the plant exceedingly light and graceful. Being a hybrid, it does not mature seeds, and propagation is only effected by division. It is selling quickly here. Its parentage is P. floribunda and P. verticillata.

NOVELTIES IN ROSES.—A new tea rose of very great promise is Frank Cant & Co.'s (Braeswick Nursery, Colchester) Lady Roberts, named in honor of the wife of the British Commander-in-Chief. The stems are long and strong; the flowers charming in bud-state and very handsome when open, expanding evenly and well. So far, it has proved excellent for forcing. The blooms are a glowing orange-salmon color, passing off at the edges to Gloire de Dijon shade.

The new dwarf polyantha rose, Madame Levavasseur, is likely to make its mark. An award of merit was granted by the Floral Committee of the Royal Horticultural Society on the 7th inst., when a group of pot-grown plants was staged by the introducers of its famous progenitor—namely, Crimson Rambler. I refer to Charles Turner, of Slough. If one describes the new-comer as a miniature form of Crimson Rambler in all but the flowers and states, too, that there is much of the amaranth shade in the floral clusters, a good impression of it may be obtained. It grows 3 feet high, having somewhat slender shoots, moderate-sized leaves and abundance of its excellent dark flowers. F. Cant & Co. have recently shown a pale creamy polyantha—a sweet thing named Schneewittchen, after the style of the well-known White Pet; and there have been some light-hued forms of Crimson Rambler seen.

BORONIA MEGASTIGMA AUREA I may notice as a fresh form of an old and reputed fragrant greenhouse plant. The novelty bears golden, instead of dull brownish flowers, as in the type. It has been exhibited in London by Messrs. Balchin, of Hassocks.

AMARYLLIS (or Hippeastrums) are yearly gaining in general popularity and some really magnificent new-comers have been staged. The specialists are working on the lighter-colored forms with great success, but one deplores the fact that no sooner is a distinct break, or advance, recorded, than it is disposed of to the highest amateur bidder. Thus, while our nurserymen (Veitch again leading) make some good "hits," they seem to retard their own further progress, at least for a time, by at once disposing of their acquisitions. Some of the most up-to-date varieties may be named in a succeeding letter.

A NEW CLASSIFICATION OF DAFFODILS (for our leading firms are giving this popular name to the entire genus and not confining it to the trumpet section as formerly) was placed before the Narcissus Committee of the Royal Horticultural Society (London) on April 7, by Messrs. Barr & Sons, the object being to fix a stricter code than has lately been recognized, and one, at the same time, that meets present requirements. The sections are fairly distinguishable so far, but there is a need for this well-considered new classification, and it is the project of very experienced cultivators. Peter Barr, V. M. H., head of the firm till he relinquished the business to his three sons, is the reputed "Daffodil King." HARRISON VAN-DYKE.

Lilies in Bermuda.

Our illustration represents a field of lilies in Bermuda, on the grounds of Chas. A. V. Frith, Hamilton, who has upward of eight acres of these bulbs under cultivation.

Mr. Frith is on a visit to the United States. In conversation he advises us that he is carefully selecting his bulbs, going through his fields annually and eliminating all that show signs of disease or are otherwise undesirable, as these defects become apparent in the growing plants and before the crop is harvested. In a recent communication he gives the following pertinent hint:

"I notice in your valued paper some complaints about the Bermuda stock. I think this is owing to the fact that your florists buy their stock from a dealer instead of a responsible grower direct. Some of these dealers buy from the small irresponsible growers who pack everything, regardless alike of its fitness for market and of the effect that this system produces on the future marketable value of the article."

A FIELD OF LILIES IN BERMUDA.
Grower, Chas. A. V. Frith, Hamilton.

Notes About the World's Fair.

Professor D. A. Brodie, late of the Western Washington Experimental Station, is superintending the work of installing the open air exhibit by the Bureau of Plant Industry of the U. S. Department of Agriculture at the Louisiana Purchase Exposition. This exhibit covers five acres of ground and its central feature is a mammoth map of the United States shown by the principal crops grown in each of the States. The work will occupy Mr. Brodie's entire time until the close of the World's Fair in December, 1904.

The New Bedford (Mass.) Horticultural Society, recently organized, is planning to hold a flower show next Fall. The following committee has been appointed to make preparations for the exhibition: Messrs. William S. Brown, S. J. Donaghy, William Smith, George N. Borden and J. C. McNutt.

QUESTION BOX

PLANTS FOR NAME.—J. Was No. 1, Anthurium Scherzerianum; 2, Iresine Herbstii, commonly ca Achyranthes; No. 3, Peperomia Sa dersii; No. 4, Acalypha Macfeea No. 5, Euonymus japonicus aureo-m ginalis; No. 6, Abutilon vexillariu Bernardsville—Santolina incana.

Soil for Carnations.

(90) Of what, and how do you pare soil for carnations. V.

—Get the top soil of an old past pile it in a convenient place near greenhouses, adding one-sixth rotted manure. Turn over the pile casionally so that the soil and mar will become thoroughly incorpora The sooner the soil is prepared the ter it will be. We prefer to make soil pile in the Fall for next Summ use.

Asters.

(91) What are the best early as for cut flowers? I want to plant in greenhouse after carnations. How I best keep away the aster bug f plants grown outside? E. S.

—There are several varieties branching asters that are all good cut flower purposes. Consult an the seedsmen's lists, and you will what you want. White and pink k are the best sellers.

Have the plants perfectly free black fly when they are planted Give them an occasional dusting tobacco powder while they are g ing, and never let the fly get a st

Asters for Pot Culture.

(97) How are asters managed pot plants to sell in the latter pa the Summer and Autumn? Are potted at once when large enougl grown in the ground and potted l and if potted, how are they kept- der shaded glass or plunged out My plants are pricked off into and are from two to three inches April 9. L. B.

—The asters will be better if g in pots. Instead of growing them der shaded glass, give them all light possible. When growing wea arrives place them out-doors; when the pots get filled with roots mence to feed the plants with li manure.

Perennial Phlox from Cuttings.

(92) I expect to pinch back beds of perennial phlox about the dle of May, to make them branch and would like to use the tips for tings. Will they need bottom hea strike then, or will they do better side in a cold frame? B.

—The cuttings of the perennial taken in May will root readily in cold frames; bottom heat is unn sary.

White Grubs in Rose Soil.

(93) J. R.—The white grub is larva of the May beetle, and bel to the genus Lachnosterna. If the nure has been put on the benches mulch, it should be removed as soo possible. A free use of fresh sl lime on the benches might help to the roses, though usually when a b of soil gets so badly infested as i soil in this case, the plants hav great chance. Seeing that the are but newly planted, why not them out and put them into flats, porarily; then take out the soil sterilize it? If no steam is obtai to heat up the soil, build a wood out-doors, under any kind of ol roofing, and bake the soil on the That is the only sure method of rid the soil of the larva at this time o year.

Freesias.

(94) How long shall I leave fr bulbs in the soil after they are r VIRID

—The bulbs can be cleaned stored away in some dry place time after they are thoroughly rip

Scale on Palms and Ferns.

(95) Viridis.--Get one of the tobacco nsecticides and apply it with a syr-nge, or one of the fine automatic spray pumps. Any of the seed houses can supply the latter.

A Succession of Lilies.

(96) I am told that lilies can be se-ected to give continuous bloom for at least two months, none of them being wild. A. R.

—It is hardly likely that a bed of ilies will continue in bloom for two nonths, though perhaps by selecting several varieties of the hardy lilies and planting them together, some will flow-r earlier than others and so prolong he blooming season. A list of the va-ieties can be found in any of the seedsmen's catalogues.

Moss.

(98) A. B.—The sample of moss sent for inspection would not be of much use to florists, except for packing purposes, as it is in a too advanced stage of decay.

Soil for Vegetables.

(99) Please give me directions for making the best soil for the production of vegetables such as cucumbers, toma-oes, beans, radishes, lettuce, etc., in a greenhouse. Is leaf mold beneficial? A. V. D.

—In selecting soil for the cultivation of vegetables under glass, we would not recommend the use of leaf soil. Take the four or five inches of top soil from any good grass land, including the sod, lay it up in a pile, adding one-ifth its bulk in stable manure. If it is desired to use the soil at once, the sod can be omitted and piled up for future use.

Fuchsias

(100) Can you tell us what is the matter with our fuchsias? The leaves roll and twist as per sample. They are the Storm King variety. We have some common kinds alongside of them that are not affected at all. W. & N.

—The Storm King fuchsia is not as free a grower as many of the common kinds, and we think the trouble arises from the plants being over-potted—hat is, having been put in larger pots han were necessary, and the soil becoming soured by too frequent appli-ations of water.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

Prosperity, $3.00 per 100; $25.00 per 1000. **Roosevelt**, $3.00 per 100; 25.00 per 1000. **Cressbrook**, $3.50 per 100; $30.00 per 1000. **Mrs. Bradt**, $4.00 per 100; $35.00 per 1000. **Mrs. Lawson**, $3.00 per 100; $30.00 per 1000. **Golden Beauty**, $4.00 per 100; $35.00 per 1000. **G. H. Crane**, $2.00 per 100; $15.00 per 1000. **Daybreak**, $1.00 per 100; $10.00 per 1000. **Gen. Gomez**, $1.50 per 100; $15.00 per 1000. **Gen. Maceo**, $1.50 per 100; $15.00 per 1000. **The Marquis** $1.50 per 100; $12.50 per 1000. **White Cloud**, $1.50 per 100; $12.50 per 1000. **Flora Hill**, $1.50 per 100; $12.50 per 1000. **Queen Louise**, $3.00 per 100; $25.00 per 1000. **Genevieve Lord**, $1.50 per 100; $12.50 per 1000. **James Dean**, $1.50 per 100; $12 50 per 1000. **Mrs. Joost**, $1.50 per 100; $12 50 per. 1000. **Eldorado**, $1.00 per 100; $8.00 per 1000. **Wm.)Scott**, $1.00 per 100; $8.00 per 1000. **Norway**, $2.00 per 100; $15.00 per 1000. **Floriana**, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in. Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3.00
Mrs. R. Weeks.	4.00
Jerome Jones	3.00
Polly Rose	3.00
Timothy Eaton	3.00
Willow Brook	3.00
White Bonnaffon.	4.00
Chadwick	3.00
Ivory	2.50
YELLOW.	
Col. D. Appleton.	3.00
Yellow Pacific	3.00
Bonnaffon	3.00
Monrovia	4.00
Golden Wedding	4.00
October Sunshine	3.00
Yellow Robinson	3.00
Pennsylvania	3.00
Yellow Fitzwygram	4.00
PINK.	
Pacific	2.50
Helen Bloodgood	3.00
J. K. Shaw.	2.50
Maud Dean	3.00
Pink Ivory	2.50
Mrs. Coombs	4.00
RED.	
Black Hawk.	3.50
John Shrimpton	4.00

We have a fine stock of rooted cuttings of Chrys-nthemums, which we offer at one-half the above isted prices.

ROSES **Bridesmaid and Bride**, 2¼ in. pots, $3.50 per 100; $30.00 per 1000.

American Beauty Stock, 2¼ in. pots, fine strong plants, $6.00 per 100; $55.00 per 1000.

ENGLISH IVY 4 inch pots, 24 inches high, $1.50 per doz.; $10.00 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS Fine Healthy Rooted Cuttings

	Per 100	per 1000
Mrs. T. W. Lawson	$2.50	$22.00
Hill Sport.	1.50	12.50
G. H. Crane	2.00	17.50
Gov. Roosevelt	2.00	17.50
Norway.	1.50	
Mrs. Bradt	3.00	
J. H. Manley	5.00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing

MODEL EXTENSION

Carnation Supports

— ALSO —

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

CARNATIONS

MORNING GLORY............$12.50 per 1000
QUEEN LOUISE.................$15.00 per 1000

Will have others April 27 to May 11.

Watch my Advt.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSIES

Large flowering, choice mixed, in bloom, from cold frame, $1.00 per 100; $9.00 per 1000.

DEAN FERRIS, Peekskill, N. Y.

Mention the Florists' Exchange when writing.

PANSIES. Large branchy plants, transplanted, from the choicest and highest priced strains, a superb lot of rich colors; in bloom, $2.00 per 100. Easily retail at 100 per cent. profit.

BOSTON FERNS. Cool-grown stock, 6 in., strong, $50.00; 7 in., $60.00; 8 in., $70.00 per 100. Good clean profits in these.

Geraniums, choice assortment of best bedders, 3 in., $4.50; 4 in., $7 00 per 100. **Vinca**, variegated, very strong, $2.50 per 100. **Petunias**, double fringed, 4 in., in bud, $6.00 per 100. **300 Kaiserin Roses**, 5 in., in bud and bloom, $15.00; strongly rooted cuttings of Bride, Bridesmaid, Golden Gate, $1.50; Perle, $2.00; Ivory, $2.50.

W. H. GULLET & SONS, LINCOLN, ILL.

Mention the Florists' Exchange when writing.

50,000 Fine Pansies In Bloom

Also **Double Daisies** and Blue **Forget-Me-Nots.** $1.25 per 100. Cash.

HENRY A. SMITH, Florist, Plymouth, Conn.

Mention the Florists' Exchange when writing.

PANSIES

Giant Madame Perret, trade pkt., 50c.; per oz., $5.00. Giant Trimardeau, extra, per oz., $2.00, Giant Yellow, per oz., $2.50; Cecil Davy, white trade pkt., 25c.; Falaise, new, trade pkt., 50c.; Marguerite Davy, trade pkt., 50c.

BEAULIEU'S HARDY WHITE ONION' per lb., $2.00. Send for circulars.

H. BEAULIEU
Jamaica P. O., **Woodhaven Sta., N. Y.**

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, unsurpassed quality. Fine bushy plants, in bloom, $1.00 per 100; $8.00 per 1000.

Good stocky plants, coming in bud, $3.00 per 1000.

Bellis (Daisies). Largest double red and white, fine plants, in bud, $2.00 per 1000.

All the above, 500 at 1000 rates.

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING

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IN LARGE VARIETY
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American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.

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AMERICAN BEAUTY, own roots, $8.00 per 100; $75.00 per 1000.
BRIDE AND BRIDESMAID, own roots, $5.00 per 100; $45.00 per 1000.

Strong healthy plants, ready to ship.

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Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate,** 2 in. pots, $3.00 per 100. **Ivory,** $4.00 per 100. **Helen Gould,** $6.00 per 100. **Mrs. Oliver Ames,** $10.00 per 100. **Bridesmaid,** $3.00 per 100.

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Phœnix Reclinata, 8 in. pots, $12.00 per doz.
Kentia Forsteriana, 5 in., $7.00 per doz.
Kentia Belmoreana, 5 in., $7.00 per doz.; 4 in., $4.00 per doz.
Asparagus Plumosus, 3 in. pots, $6.00 per 100; 6 in. pots, $15.00 per 100.
Asparagus Sprengeri, 2½ in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00.
Hollyhocks, double and single, dark and light colors, $3.00 per 100.
Vincas, 2 in., $2.50 per 100; 3 in., $4.00; 3½ in., $5.00; 4 in., $6.00.

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Vinca Variegata, 4 in.	6.00
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Vincas, 4 in.	10.00	
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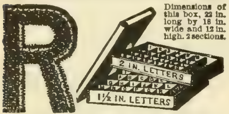

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History and Development of the Carnation—The Carnation in America—The Commerc Importance of the Carnation Industry—The American Carnation Society—Use of Carnati as a Decorative Flower—General Greenhouse Culture—Soils—Manure and Fertilizers—Pro gation and Shipping of Young Stock—Treatment of Young Stock preparatory to Plant Out—Field Culture—Lifting and Planting Carnations from the Field—Treatment a Benching—Picking, Packing and Shipping Carnation Flowers—Insects and Preventive Diseases and Injuries—Packing and Shipping Field-grown Plants—Forcing Houses for C nations—Bench Construction—Sub-irrigation—Heating Carnation Houses—Carnations Summer blooming—Bedding and Hardy Carnations—Carnations for Pot Culture—Rai Carnations from Seed—Cross breeding and Fertilizing—Varieties—Sports and Variati —The Ideal Carnation—Traits and Peculiarities—Various Classifications of the Carnatio List of Varieties for Different Localities—The Future of the Carnation—Its Commer aspect and Prices—Who shall engage in Carnation Growing—Does it Pay to do things We Calendar of Operations—Carnations in California, Canada, in the West, the East, the Sou

It will at once be seen that a work of this nature should be in the hands of every flo and others interested in the subject who desire to keep abreast of the times, and to m the growing of carnations, by the most modern methods, a profitable part of their busin

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	" No. 1		4.00	to 6.00
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	Bride, 'Maid, fancy—spc'l		3.00	to 8.00
	" extra		3.00	to 5.00
	" No. 1		2.00	to 3.00
	" No. 2		1.00	to 2.00
	Golden Gate		2.00	to 8.00
	Liberty		2.00	to 10.00
	Meteor		.50	to 5.00
Adiantum			.35	to .75
" Croweanum			......	to 1.50
Asparagus			25.00	to 50.00
Callas			3.00	to 6.00
Cattleyas			50.00	to 60.00
Cypripediums			......	to ......
Dendrobium formosum			......	to ......
Daisies			1.00	to 2.00
Carnations	Inf'r grades, all colors		1.50	to 2.00
	Standard Varieties	White	1.50	to 2.00
		Pink	1.50	to 2.00
		Red	1.50	to 2.00
		Yel. & Var.	1.50	to 2.00
	*Fancy— (*The highest grades of standard var.)	White	3.00	to 4.00
		Pink	3.00	to 4.00
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Boston.

News of the Week.

The regular monthly meeting of the Horticultural Club was held Thursday evening, James H. Morton presiding. The members of the "Old Guard" celebrated Patriots' Day (Monday) in a patriotic way at the Quincy House as guests of Captain Edward Hatch.

Jack Edgar's many friends will learn with regret of the death of his wife, which occurred last week.

Henry Cartwright, of Wellesley, is bringing in some very fine frame lily of the valley.

This week at the flower market the signs bearing this legend, "This is a wholesale market. no flowers sold at retail," are conspicuously displayed both in the windows and inside on the stalls. This is a good move, and the more conspicuous the signs are made the better.

J. Bryant, of St. Albans, Vt., passed through Boston this week bound for Europe. F. J. N.

Providence, R. I.

Club News.

The Florists' Club met on the 16th and had a lively evening. Mr. Sweeney started things agoing by referring to the recent unfortunate Winter-killed California privet, and the subject was taken up quite spiritedly, Mr. Canning giving as his opinion that the trouble had been caused by the moving sap becoming killed and frozen by the sudden zero weather of December 6. A great many fine hedges of this privet have suffered locally, especially at the estates of Senator Aldrich and J. A. Foster.

Jottings.

T. J. Johnston has added a long-distance telephone equipment to his office.

Mr. Leach, of Pawtucket, was in town last week and paid his respects to the florists who drum up the "dead." Next to the grower who sells "on the quiet" there ranks the "crepe pulling" retailer.

The weather has been too cool for much business in pansies and bedding plants.

A big cut of carnations is in sight, but it may not last till Memorial Day.

A Syracuse (N. Y.) special says they retailed carnations at Easter for nothing less than $2.00 per dozen. This is not likely to happen here.

Pierson, of Cromwell, is supplying grafted rose stock to Budlong & Sons.

It's strange why the wholesaler thinks more of a retail order at $1.00 than he does of a $5.00 wholesale one.

The trade had better investigate and find out regarding the probable abandonment of special exercises and flowers at the coming school closings. C. S. M.

Cincinnati.

The News.

One of the prettiest sights we have seen in a long time was the tulip display in the city parks, where over forty-five thousand were in full bloom. The blending of the colors was very beautiful. The new cement-constructed greenhouse in Eden Park is well worth a trip to see, and is quite a revelation in greenhouse building. The glass is butted and laid on Critchell's rubber patent, doing away with putty entirely, making the house perfectly tight and causing less breakage from the elements.

The best piece of news that it is my pleasure to report is the coming marriage of our esteemed friend, Richard Witterstætter. The happy event will occur the first week in May. It is needless to say that the craft throughout the United States will join me in the heartiest congratulations.

Saturday evening, according to the schedule, was the meeting night of the Cincinnati Florists' Society, but not a member showed up. It seems a very hard matter to get the members interested in the meetings. There will be a called meeting of the Board of Directors, Friday afternoon, at the office of E. G. Gillett, to formulate rules for the display to be held at Music Hall in September in connection with the annual Fall festival. The Fall Festival Association has offered the sum of $1,000 to be competed for. The annual outing of the Cincinnati florists will also be discussed at this meeting. E. G. GILLETT.

Marquette, Mich.

Max Rasmussen, for several years florist at the Negaunee greenhouses, has received the appointment of landscape gardener for the Cleveland-Cliffs Iron Company, in which position he will superintend the greenhouses and nursery, and will have charge of all the planting improvements for the company at its various residences, offices, depots, etc., and the planting of the public park now being laid out at Munising. Mr. Rasmussen will also give advice on planting to the general public free of charge.

Milwaukee.

News Notes.

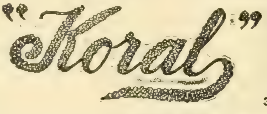
At the regular club meeting, on Tuesday last, important convention matters were taken up, and the various committees appointed will be kept busy until convention time.

Some building will be done this Summer. Chas. Burmeister will erect one house for carnations. C. Johansen will also add one house for carnations. C. Kitzerow and H. Schwelke will add some glass. C. C. Pollworth Company is erecting three houses, each 256x22 feet, which will be devoted to roses. This firm will also move into larger quarters downtown May 1. C. C. P.

Los Angeles, Cal.

J. H. Replow, of Chicago, representing E. W. Chalmers, of Philadelphia, has been inspecting lands contiguous to Santa Monica, with a view to acquiring a forty-acre tract on which to grow rose plants for the trade.

BEAUTIES, LIBERTIES, VALLEY
LEO NIESSEN, 1217 Arch St., Philadelphia.
Mention the Florists' Exchange when writing.



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34 Hawley St., BOSTON, MASS.
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Apr. 22, 1903	Phil'delphia Apr. 21, 1903	Baltimore Apr. 21, 1903	Buffalo Apr. 21, 1903	Pittsburg Apr. 20, 1903
Roses	A. BEAUTY, fancy—special	...... to 25.00	...... to	...... to	20.00 to 30.00	30.00 to 50.00
	" extra	..... to 20.00	25.00 to 55.00	...... to	10.00 to 15.00	20.00 to 25.00
	" No. 1	8.00 to 16.00	12.00 to 16.00	20.00 to 25.00	8.00 to 10.00	10.00 to 15.00
	" Culls and Ordinary	1.50 to 6.00	6.00 to 8.00	6.00 to 16.00	2.00 to 4.00	4.00 to 6.00
	Queen of Edgely	8.00 to 25.00	10.00 to 40.00	...... to	..... to	...... to ......
	Bride, 'Maid, fancy—special	... to 8.00	...... to	..... to	. to	...... to 12.00
	" extra	5.00 to 6.00	10.00 to 12.00	...... to	8.00 to 10.00	8.00 to 10.00
	" No. 1	3.00 to 4.00	6.00 to 8.00	6.00 to 8.00	5.00 to 7.00	3.00 to 6.00
	" No. 2	1.00 to 2.00	4.00 to 5.00	3.00 to 5.00	2.00 to 4.00	1.50 to 2.00
	Golden Gate	...... to	6.00 to 12.00	4.00 to 8.00	2.00 to 8.00	...... to ......
	K. A. Victoria	3.00 to 10.00	..... to	4.00 to 6.00	2.00 to 10.00	4.00 to 12.00
	Liberty	2.00 to 12.00	6.00 to 30.00	3.00 to 8.00	2.00 to 10.00	6.00 to 12.00
	Meteor	2.00 to 6.00	... .. to	3.00 to 8.00	2.00 to 8.00	4.00 to 6.00
	Perle	...... to	6.00 to 12.00	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00
	ORCHIDS—Cattleyas	...... to	...... to	..... to	..... to	...... to ......
	Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	...... to .50	...... to	1.00 to 1.50	1.00 to 1.25	1.50 to 2.00
	STANDARD VARIETIES White	...... to 1.00	3.00 to 4.00	2.00 to 3.50	2.00 to 2.50	2.50 to 3.00
	Pink	...... to 1.00	3.00 to 4.00	2.00 to 3.50	2.00 to 2.50	2.50 to 3.00
	Red	...... to 1.00	3.00 to 4.00	2.00 to 2.50	2.00 to 2.50	2.50 to 3.00
	Yellow and var.	...... to 1.00	3.00 to 4.00	2.00 to 3.50	2.00 to 2.50	2.50 to 3.00
	*FANCY (*The highest grades of standard var) White	1.50 to 2.00	4.00 to 6.00	...... to	3.00 to 4.00	4.00 to 6.00
	Pink	...... to 1.50	4.00 to 6.00	...... to	3.00 to 4.00	4.00 to 5.00
	Red	...... to 1.50	4.00 to 6.00	...... to	3.00 to 4.00	...... to 4.00
	Yellow and var.	...... to 1.50	4.00 to 6.00	...... to	3.00 to 4.00	4.00 to 5.00
	NOVELTIES	2.00 to 3.00	6.00 to 8.00	...... to	6.00 to 8.00	... .. to ......
	ADIANTUM	..... to 1.00	...... to 1.00	..... to 1.00	.60 to 1.25	1.00 to 1.50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 75.00	10.00 to 60.00	20.00 to 40.00
	CALLAS	6.00 to 8.00	12.00 to 15.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	..... to	.... to .....
	DAFFODILS	1.00 to 2.00	...... to	...... to .75	1.00 to 3.00	...... to ..
	DAISIES	...... to	1.00 to 1.50	...... to	..... to	.50 to 2.00
	GALAX LEAVES	..... to .10	.. ... to .10	...... to .10	.10 to .15	...... to ......
	HYACINTHS	2.00 to 3.00	...... to	3.00 to 5.00	2.00 to 6.00	...... to .. .
	LILAC	..... to	...... to 10.00	...... to	...... to	5.00 to 10.00
	LILIES	6.00 to 10.00	10.00 to 12.50	8.00 to 12.00	10.00 to 12.50	6.00 to 12.00
	LILY OF THE VALLEY	2.00 to 3.00	3.00 to 4.00	...... to 3.00	2.00 to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	1.00 to 1.50	2.00 to 3.00	...... to 2.00	2.00 to 3.00	...... to ......
	" Fancy	2.00 to 3.00	..... to 4.00	...... to	4.00 to 6.00	.. ... to ......
	NARCISSUS	1.00 to 2.00	...... to	...... to	2.00 to 4.00	...... to ......
	SMILAX	...... to	12.50 to 15.00	10.00 to 25.00	...... to 15.00	15.00 to 20.00
	STEVIA	...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS	...... to .75	1.00 to 1.50	...... to .75	.75 to 1.00	.50 to 1.00
	TULIPS	2.00 to 3.00	...... to	...... to	2.00 to 4.00	...... to ......
	VIOLETS	.50 to .75	...... to	...... to .35	.25 to .60	...... to ......

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St. Louis.

ub Meeting.

The St. Louis Florists' Club held April meeting at Belleville, Ill., by vitation of the Mayor of that city. e attendance was not very large, but ose present had a good time The uncil chamber of the City Hall, in ich the meeting was held, was tastelly decorated by the local florists This being the annual rose meeting, e St. Clair Floral Co., of Belleville, J. Fillmore E Schray, and R. F. sson made exhibits of roses and rnations. C. C. Sanders, of St. Louis, owed a fine lot of fringed double tunias.

The meeting opened with an address welcome by the Mayor, who is a ember of our club. It was responded by President J. W. Dunford. J. J. neke, the chairman of the entertaint committee, reported that everying was in readiness to entertain the hicago florists when they come. Prof. C. Irish announced, by letter, that alter Gilles had been accepted as a pil of the Shaw Garden. Mr. Gilles s recommended by the club at its st meeting. His term will begin April Mr. Gilles was elected to memberhip, as was D. R. McAnally. A comittee, consisting of Messrs. Ellis, oenig and Guy was appointed to dge the roses on exhibition. The first ize was awarded the St. Clair Floral o. for a vase of 25 Kaiserin Augusta ictoria; second to F. J. Fillmore for vase of mixed roses in which were ride, Bridesmaid, Souvenir de Wooton and Perle des Jardins; the third rize was given to Emil Schray for a ase of 25 good mixed roses. Comments were made on a vase of Queen f Edgely and American Beauty roses nd three vases of carnations of G. I. Crane. The Marquis and Bon lomme Richard from the St. Clair loral Co., also on the box of fringed ouble petunias from Mr. Sanders. Ir. Tesson's roses arrived too late to e passed upon.

No essays were read, but Mr. Fillnore promised to read one at the May neeting on "Hard and Soft Coal Heating." The question box brought out ome interesting discussion.

At the close of the business meeting he Mayor announced that an elegant unch was in waiting at the bowling lley across the way. This was thoroughly enjoyed. Speeches were made y President Dunford, Carew Sanders nd Mayor Halstedt. F. M. Ellis and . J. Beneke got up two teams and owled one game, the Beneke team vinning by over a hundred pins. All ad a good time, many thanks to the Mayor of the city of Belleville.

ews About Town

We learn that the St. Clair Floral o., of which Dr. A. S. Halstedt is resident, has purchased the greenouses formerly owned by Wm. Hucke, t Belleville. The company will grow oses and carnations for the St. Louis market.

Fred Ammann, of Edwardsville, is utting some of the best American eauty that come to this market. Fred s very busy just now, as he is a candiate for Mayor of Edwardsville. This ct kept him from the meeting at Belleville, so Mr. Bolixen, his foreman, ays. Mayor Ammann sounds well.

A. Berdan's place in Kirkwood has een sold to W. J. Pilcher, who intends o build two new houses this Summer or carnations. Heretofore Mr. Pilcher grew nothing but violets, which were among the best in this market.

Dr. A. S. Halstedt and son spent a few days of last week in Chicago buying cuttings for their new place.

S. S. Skildesky, of Philadelphia is with us this week selling anything in the florist line. He is very popular with the growers and retailers here.

L. Baumann of Richter & Baumann, Chicago, is a visitor calling on the trade with a full line of samples of florists' supplies.

F. W. Windt, who has been sick for some time, is reported much better, and will soon be able to attend to business again. ST. PATRICK.

Chicago.

Jottings.

A. H. Kohlbrand, of Amling's and Geo. Piepgras, of Benthey's, are on the sick list.

Edgar Sanders is now able to be outside in good weather, and spends a few hours in the open every fine day

A. L. Randall is preparing to vacate his present quarters May 1, and will occupy the building at 19 to 21 Randolph street.

F. Bon has one house nearly finished and contemplates the erection of another and the remodeling of his present range. The installation of a new boiler is included in his improvements.

T. Rogers, of Sinner Bros., has gone on a visit to his home in Grand Rapids, Mich., for a week.

ROBERT JOHNSTONE.

Louisville, Ky.

A Hail Storm.

Sunday afternoon, April 19, Louisville and vicinity were visited by a severe rain and hail storm—one of the most destructive ever known in this locality. The florists and gardeners suffered heavily. A peculiarity of the damage done was that those florists whose establishments were within the city proper sustained comparatively little, while those in the suburbs suffered heavily. Henry Nanz, of Nanz & Neuner, whose greenhouses are at St. Mathew, Ky., estimates his loss on glass at $700.00, and damage to plants at $600.00. His was all double strength glass. The north side of the houses suffered the greatest damage. The firm carried no hail insurance.

C. W. Reimers, of Crescent Hill, Ky., was also a heavy sufferer. He estimates his loss on glass at $500.00. The damage to plants he could not estimate. His was also double strength glass, and he carried no hail insurance.

A. Rasmussen, of New Albany, Ind., estimates his loss on glass at $300.00, with no insurance, but states that his application for insurance is already on the way to the Hail Association. His loss was nearly all in single strength glass.

The houses of John G. Bettman & Sons, of New Albany, were also damaged to the extent of about $300.00 in glass. Oscar Trinler, also of New Albany, sets his loss at $100.00, while F. Walker & Co. place theirs at $50.00.

In Jeffersonville, Ind., much damage was done, the heaviest loser being Jos. Mollock and the Indiana Reformatory.

The market gardeners near the city were also heavy losers, not only in damage to their glass, but also in that done to early stock planted in the open.

A. R. B.

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1.—3x4½x16 ..	1.75	15.00	6.—4x8x28....	3.75	35.00
2.—3x6x18.....	2.00	18.00	7.—6x16x20...	5.50	53.00
3.—4x8x18.....	2.40	22.00	8.—3x7x21....	3.00	29.00
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Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Chicago Apr. 21, '03	St. Louis Apr. 21, '03	Cincinnati Apr. 21, '03	Milwaukee Apr. 21, '03	Detroit Apr. 22, '03
Roses		A. BEAUTY, fancy—special	..... to 24.00	.... to 40.00	... to 25.00	.... to 35.00	..... to 24.00
		" extra	18.00 to 20.00	25.00 to 35.00	16.00 to 20.00	18.00 to 25.00	18.00 to 20.00
		" No. 1	12.00 to 18.00	10.00 to 20.00	. to 8.00	12.50 to 15.00	12.50 to 18.00
		" Culls and Ordinary	6.00 to 10.00	3.00 to 8.00	4.00 to 6.00	4.00 to 8.00	6.00 to 10.00
		Queen of Edgely	...... to	...... to	..... to	..... to	..... to .....
		Bride, 'Maid, fancy—special	to 8.00	..... to 8.00	.. to 8.00	..... to 8.00	6.00 to 8.00
		" extra	5.00 to 6.00	...... to 6.00	6.00 to 7.00	...... to 6.00	5.00 to 6.00
		" No. 1	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	...... to 4.00	4.00 to 5.00
		" No. 2	.... to ...	...... to 3.00	3.00 to 4.00	.... to 2.00	... to
		Golden Gate	4.00 to 8.00	4.00 to 6.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
		K. A. Victoria	..... to	4.00 to 6.00	...... to	4.00 to 6.00	...... to ....
		Liberty	4.00 to 25.00	3.00 to 6.00	4.00 to 15.00	4.00 to 8.00	.... to ....
		Meteor	4.00 to 8.00	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00
		Perle	4.00 to 6.00	3.00 to 5.00	...... to 3.00	4.00 to 6.00	4.00 to 6.00
		ORCHIDS—Cattleyas	...... to	.... to	...... to	..... to	..... to ......
		Cypripediums	...... to	...... to	.... to	...... to	...... to ......
Carnations		Inferior grades, all colors	1.50 to 2.00	..... to 1.50	...... to	.. to .	1.50 to 2.00
	STANDARD VARIETIES	White	2.50 to 3.00	2.00 to 2.50	...... to 2.00	2.00 to 3.00	2.50 to 3.00
		Pink	1.50 to 3.00	2.00 to 2.50	..... to 2.00	2.00 to 3.00	1.50 to 3.00
		Red	1.50 to 3.00	2.00 to 2.50	1.50 to 2.00	2.00 to 3.00	1.50 to 3.00
		Yellow and Var.	1.50 to 3.00	2.00 to 2.50	...... to	..... to ...	1.50 to 3.00
	*FANCY— (*The highest grades of standard var)	White	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
		Pink	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	.... to 4.00	3.00 to 4.00
		Red	2.50 to 3.00	3.00 to 4.00	3.00 to 4.00	...... to 4.00	2.50 to 3.00
		Yellow and Var.	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	...... to 4.00	3.00 to 4.00
		NOVELTIES	5.00 to 6.00	...... to	..... to ...	..... to	. to ....
		ADIANTUM	.75 to 1.00	1.00 to 1.25	.... to 1.50	... to	.75 to 1.00
		ASPARAGUS	25.00 to 75.00	10.00 to 30.00	40.00 to 50.00	20.00 to 40.00	25.00 to 80.00
		CALLAS	6.00 to 8.00	8.00 to 12.50	..... to 10.00	..... to 12.50	6.00 to 8.00
		CHRYSANTHEMUMS	...... to	...... to	...... to	..... to	...... to .....
		DAFFODILS	. .. to	...... to	..... to	...... to 4.00	. . to
		DAISIES	.50 to 1.50	..... to .50	...... to .50	..... to .50	.50 to 1.50
		GALAX LEAVES	..... to .15	..... to .15	...... to .15	.... to .20	..... to .15
		HYACINTHS	...... to	...... to	..... to ..	...... to	...... to .....
		LILAC	1.40 to 3.00	2.00 to 4.00	...... to	..... to	..... to .....
		LILIES	6.00 to 10.00	8.00 to 12.50	10.00 to 12.50	...... to 12.50	6.00 to 10.00
		LILY OF THE VALLEY	3.00 to 5.00	3.00 to 4.00	.... to 4.00	...... to 3.00	3.00 to 5.00
		MIGNONETTE—Ordinary	3.00 to 4.00	...... to	...... to	...... to ..	3.00 to 4.00
		" Fancy	5.00 to 6.00	...... to	..... to	...... to	5.00 to 6.00
		NARCISSUS	..... to	...... to	..... to	...... to	to ......
		SMILAX	10.00 to 15.00	..... to 15.00	..... to 15.00	...... to 20.00	10.00 to 15.00
		STEVIA	...... to	...... 50 ...	...... to	... to .	... to ....
		SWEET PEAS	1.00 to 1.50	.50 to .75	..... to 1.00	.50 to 1.00	1.00 to 1.50
		TULIPS	2.50 to 5.00	..... to	.... . to	3.00 to 4.00	2.00 to 5.00
		VIOLETS	.50 to 1.25	..... to	...... to	.50 to 1.00	.50 to 1.25

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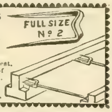
See the Point ☞
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
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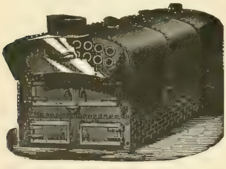
KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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SUMMER IN WINTER
By Using
Standard Greenhouse Boilers
One cent gets our Catalogue.
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MASTICA
FOR
Greenhouse Glazing
USE IT NOW.

F.O. PIERCE CO.
170 Fulton St.,
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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2 in.	pots in crate, $4.88	120	n	pots in crate, $4.20
1500	2¼	" " 5.25	60	8	" " 3.00
					HAND MADE.
1500	2½	" " 6.00	48	9 in.	pots in crate, $3.60
1000	3	" " 5 00	48	10	" " 4.80
800	3½	" " 5.80	24	11	" " 3 60
500	4	" " 4.50	24	12	" " 4.80
320	5	" " 4.51	12	14	" " 4 80
144	6	" " 3.16	6	16	" " 4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address Hilfinger Bros. Pottery,
Fort Edward, N. Y.
Or August Rolker & Sons, New York Agents,
31 Barclay Street, New York City.

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ESTAB. 1765
A.H. HEWS & CO.
NO. CAMBRIDGE MASS
L. I. CITY N.Y.
CATALOGUE FREE

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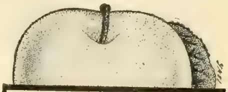

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above all others is the one who needs to spray. Good, smooth, even sized, disease free, salable apples are now an impossibility without spraying. For the apple man's use nothing quite equals our

Century Barrel Sprayer.

Submerged brass cylinder, brass ball valves, everlasting plunger packing, automatic agitator. Unequalled for durability, ease of operation, free water ways. Eighteen styles of sprayers. Catalogue with formulas and testimonials free.

THE DEMING COMPANY, SALEM, OHIO.
Western Agts., Henion & Hubbell, Chicago.

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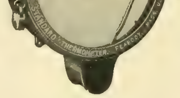
Improved
Recording Thermometer
JUST THE THING FOR YOUR
GREENHOUSE.



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OF US?
STANDARD SIZE
Quality—No Better.
Carefully Packed in Small Crates. Easy to handle.
Price List Free.
Syracuse Pottery Co.,
Syracuse, N. Y.
Best Pot in the Market.

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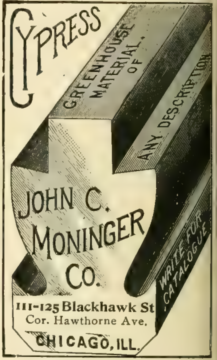
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GREENHOUSE MATERIAL OF ANY DESCRIPTION
WRITE FOR CATALOGUE

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GLASS For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc
FRENCH or AMERICAN.

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THE WHILLDIN POTTERY COMPANY.

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COLUMBIA TUBS

Are for sale by all the leading Seedsmen this season. Be sure to specify COLUMBIA TUBS when you order if you want The Best Plant Tub Made. . . .

Manufactured by

THE INVALID APPLIANCE CO., 150-160 Vedder Street, CHICAGO, Ill.

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SLUG SHOT

Kills Insects on Currants, Potatoes, Cabbages and Flowers.
Used since 1880.
SOLD BY SEEDSMEN EVERYWHERE
Send for Free Booklet on Bugs and Blights to
B. HAMMOND, FISHKILL-ON-HUDSON, NEW YORK

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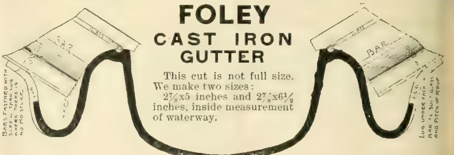
471 West 22d St., CHICAGO, ILLS.

GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES,
PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.


BAR
GLASS
BARS FASTNED WITH SCREW THRO LUG WHERE THERE IS NO MOISTURE
LUG
BAR
LUG UNDER EACH BAR TO SUIT GLASS AND PITCH OF ROOF

FOLEY
CAST IRON
GUTTER

This cut is not full size.
We make two sizes:
2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

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HOT BED SASH

Now Ready.

DELIVERED PRICE anywhere
on lots of one dozen or more.
Guaranteed in every way.

THREE SIZES.

ft. x 6 ft. - -	3 rows 10-inch glass
ft. 3 in. x 6 ft.	4 " 8 "
ft. x 6 ft. - -	5 " 8 "

Clear Cypress, 1¾ inch thick,
without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

WRITE FOR CIRCULARS, PLANS AND ESTIMATES.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.

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REENHOUSE GLASS
A SPECIALTY.
Window Glass. Painters' Supplies.
ashington Ave., 31st Ward,
Carson St.,
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New Bedford, Mass.

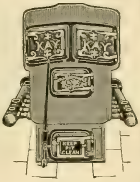
We can now boast of two societies devoted to horticulture here—one the Horticultural Society, open to all who desire to join; the other the Florists' Club, confined to florists and their employees. But there may be an amendment to the by-laws allowing the admission to the club of professional private gardeners (not coachmen), which, in the writer's opinion, would be an improvement and of benefit to the members.

Richard Nafty intends spending the coming Summer in Germany. There are others that would like to join him, but——

Chas. S. Cooper, of Brockton, was a visitor recently. X. Y. Z.

New Haven, Conn.

The New Haven County Horticultural Society held its semi-monthly meeting on the 7th inst., there being a large attendance. The board of managers notified the members that the prize list for the flower show to be held this Fall was in the hands of the printer, and would be distributed soon. Mr. Murray, of the Yale Botanical Gardens, exhibited a well-grown plant of antirrhinum Queen of The North. Such a specimen as Mr. Murray exhibited should be a good plant for the florists' Easter trade. Wm. M. Gardner received his certificate of merit which was awarded at a previous meeting for his white seedling carnation Bicentennial. W. M. G.



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244 FULTON ST., NEW YORK
HEATING
BUILDING
Ventilating
BOILERS
(Triple Fire Travel)
WROUGHT IRON PIPE, FITTINGS, VALVES, HOSE.
Send for Catalogue.
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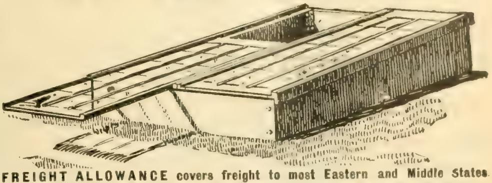

CYPRESS HOTBED SASH and FRAMES
Adapted for Growing Vegetables, Violets, Etc.
"THE BEST IS THE CHEAPEST." SUPERIOR IN EVERY RESPECT.

FREIGHT ALLOWANCE covers freight to most Eastern and Middle States.
Estimates furnished for CYPRESS GREENHOUSE MATERIAL.
☞ We make Special GREENHOUSE PUTTY.
Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue mailed from our New York Office on receipt of five cents postage for each.

LORD & BURNHAM CO. New York Office, St. James Bldg., Broadway & 26th St.
General Office & Works, Irvington-on-the-Hudson, N. Y.
Mention the Florists' Exchange when writing.

GLASS
For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.
N. COWEN'S SON,
392-94 W. BROADWAY, NEW YORK.
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HOTHOUSE GLASS
and GREENHOUSE PUTTY a SPECIALTY.
C. S. WEBER & CO.
10 Desbrosses St., New York.
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GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.
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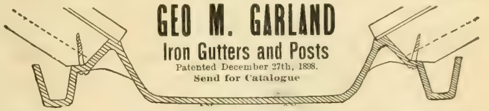

GEO M. GARLAND
Iron Gutters and Posts
Patented December 27th, 1898.
Send for Catalogue
GEO. M. GARLAND, Des Plaines, Ill.
JOHN C. MONINGER CO., CHICAGO, Selling Agents
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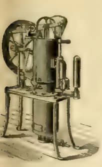
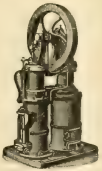

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RIDER AND ERICSSON
Hot Air Pumping Engines
If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.
RIDER-ERICSSON ENGINE CO.,
35 Warren Street, New York
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692 Craig Street, Montreal, P. Q.
40 Dearborn Street, Chicago
40 North 7th Street, Philadelphia
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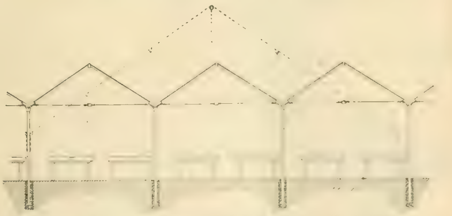
New Twin Section Boiler.
END 4c. FOR CATALOGUE.

GULF CYPRESS
Greenhouse Material
CUT AND SPLICED READY FOR ERECTION. HOT BED SASH
S. JACOBS & SONS, Manufacturers
1365 to 1373 Flushing Ave., Brooklyn, N.Y.
We Furnish Everything for Building.
Greenhouse GLASS
AT WHOLESALE.
GET OUR PRICES BEFORE ORDERING.



View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.
SHORT-ROOF GREENHOUSES. (PATENTED.)
Approved and Adopted by Leading Florists all over the Country.
WE CLAIM THE FOLLOWING ADVANTAGES:
Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.
Perfect Guttering. Cool in Summer and easy to heat in Winter. We are willing to prove these claims by testimonials. Write for Sketches and Catalogues.
A. DIETSCH & CO., PATENTEES.
Washington Red Cedar and Lousiana Cypress Greenhouse Material, Hot-Bed Sash and Greenhouse Hardware.
615-621 Sheffield Avenue, - - CHICAGO, ILL.

The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

Lockport, New York.
32 Church Street, Toronto, Can.

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FLORISTS' SUPPLIES

Largest Stock in the Country

Send for Illustrated Catalogue.

50, 52, 54, 56 No. Fourth Street
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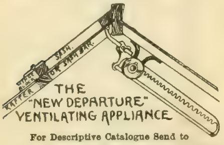
GOOD SASH LIFT

For a Very Little Money, Get


SASH.
OR SASH BAR.
RAFTER
THE "NEW DEPARTURE" VENTILATING APPLIANCE

For Descriptive Catalogue Send to

J. D. CARMODY, EVANSVILLE, IND.

Mention the Florists' Exchange when writing.

ASPARAGUS

	In. pots	doz.	100
Sprengeri	3	$0.75	$5.00
"	2	.50	3.00
Ageratum, 3 varieties	2½	.50	3.00
Anthericum variegatum	3	.75	5.00
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Bouvardias, white, scarlet and pink	2½	.50	3.00
Carnations, Wm. Scott and Lizzie McGowan, hardened off in cold frames, from soil, $15.00 per 1000; $2.00 per 100.			
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Fuchsias, in variety	2½	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10.00
Ivy, Parlor	2½	.50	3.00
Periwinkle, variegated	4	1.50	10.00
Pansies, strong plants		.35	2.50
Salvias, 3 varieties	2½	.50	3.00
Shasta Daisy	3	.75	5.00
Tropæolum, double dwarf.	2½	.50	3.00
Verbenas, named varieties	2½	.50	3.00
Heliotrope	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, 3 varieties	2½	.50	3.00
Lemon Verbenas	2½	.50	3.00
Moon Vines, strong	3	.75	5.00

C. EISELE, Philadelphia, Pa.

11th and Jefferson Streets

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THE STANDARD VENTILATING MACHINE

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE

Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only **Drip-proof** Gutters made. Send for catalogue, free.

E. HIPPARD
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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

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MANUFACTURER OF

Floral Metal Designs

Importer and Dealer in FLORISTS' SUPPLIES

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WRITE FOR NEW CATALOGUE.

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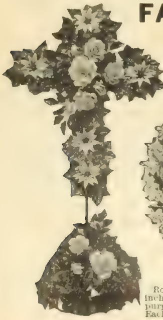
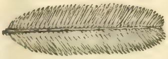
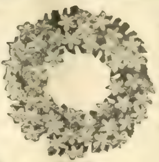
FACTORY OF METAL WREATHS





SAGO LEAF.



No. 37.

Round Daisy-Leaf Frame, 15 inches diameter, trimmed with purple, white or pink violets. Each, 75 cts.

METAL WREATHS From 15 cts. up to the latest designs, as Standing Crosses, Standing Wreaths, and in fact any design that can be made up on natural flowers, will be furnished in any color and style to suit your wishes, with white or green leaves, or any color flowers.

SAGO LEAVES Our own manufacture, the best preparation only and guaranteed a first-class leaf. From 18 to 36 inches long, in lots of 50, $4.50; per 100, $8.00.

Ask for my Illustrated Catalogue "F" of Metal Goods or for my Illustrated Catalogue "F" of Decorative Plants.

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187 S. Clark St.,
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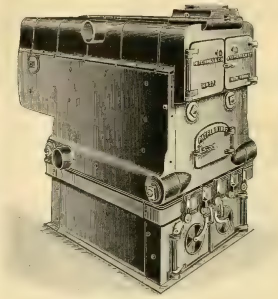

"Hitchings" Standard Greenhouse Boilers

5 PATTERNS.
19 SIZES.

Round and Sectional — for your small Conservatory or your Largest Range.

Patent Iron Frame Greenhouses, Rosehouses, etc., erected complete, or material furnished ready for erection.

PERFECT SELF-LOCKING VENTILATING APPARATUS.

Send 4 cents for Illustrated Catalogue.

HITCHINGS & CO.,
233 Mercer Street,
NEW YORK.
ESTABLISHED 1844.

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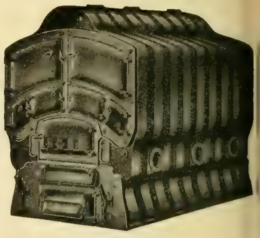
THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

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The Jennings Improved Iron Gutte

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS.

DILLER, CASKEY & CO.,

Successors to JENNINGS BR

S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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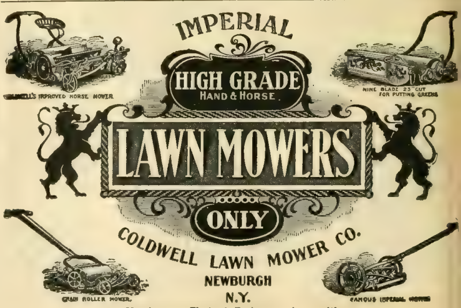
COLDWELL'S IMPROVED HORSE MOWER
NINE BLADE 25" CUT FOR PUTTING GREENS
GRASS ROLLER MOWER.
FAMOUS IMPERIAL MOWER

IMPERIAL
HIGH GRADE
HAND & HORSE
LAWN MOWERS
ONLY
COLDWELL LAWN MOWER CO.
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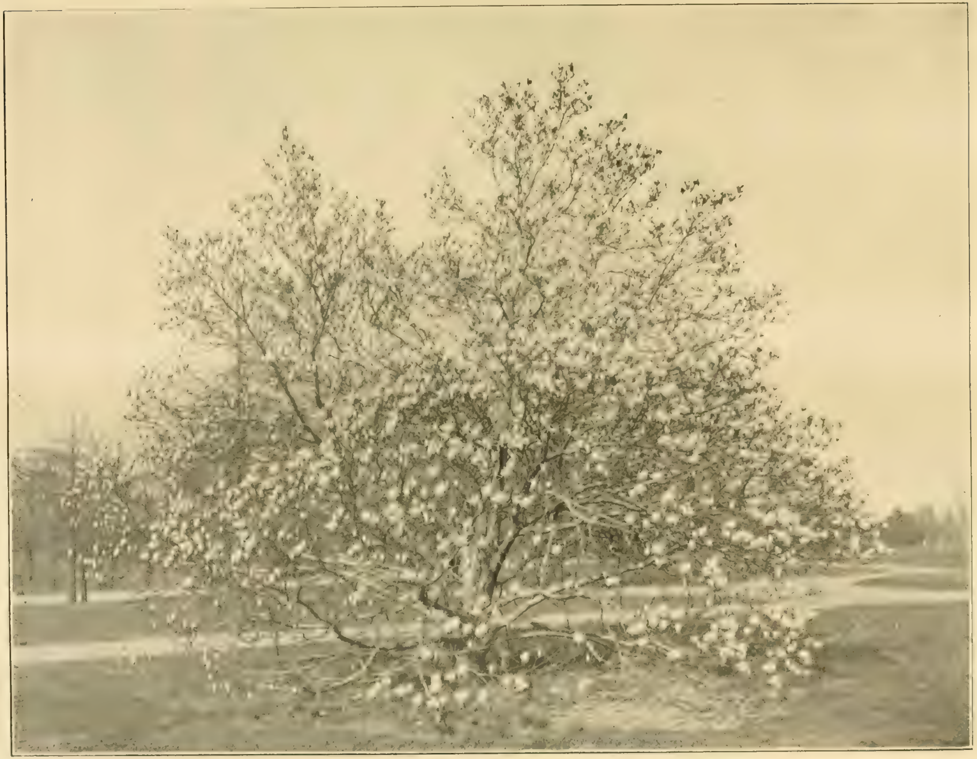

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Plate 51

MAGNOLIA SOULANGEANA

Flowers in April. Wherever hardy, which is practically over the whole of our country, omitting the extreme North, it is the chief ornament of the lawn at that season, beautifying the surroundings, and giving pleasure to thousands who see it.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 18 NEW YORK, MAY 2, 1903 One Dollar Per Year

HYBRID PERPETUAL ROSES

Extra strong, field-grown plants; a large variety embracing the following choice sorts: Comtesse Julie de Schulenburg, Magna Charta, Mme. Caroline Testout, Mrs. John Laing, Ulrich Brunner, Baron Haussman, Victor Verdier, Perle des Blanches, Captain Christy, Mme. Gabriel Luizet, Chapeau de Napoleon (crested moss), Blanch Moreau (white moss), Baroness de Rothschild, etc., $12.00 per 100.

RHODODENDRONS.

Large flowering hybrids of Catawbiense, the best hardy ironclad tested sorts, splendid plants, well budded, 1½ ft. high, $75.00 per 100. Large specimens from 2 ft. high, $18.00 per doz.

HARDY AZALEAS.

Azalea Mollis, extra fine plants covered with buds, 15 to 18 inches high, $30.00 per 100.

Ghent Azaleas, extra fine plants, named varieties, covered with flower buds, about 18 inches high, $45.00 per 100.

CLEMATIS.

Extra heavy, fine pot-grown stock, Jackmanni, Henryii, Lilacena Floribunda, $3.50 per dozen.

BOXWOOD.

We offer a large extra fine stock of this.

Pyramid, 3½ ft. high, $2.00 each; 4½ to 5 ft. high, $3.00 each.

Large bushes, untrimmed, fine for vasework, or for other decorative purposes, about 3½ ft. high, $2.00 each.

Standard, fine heads, about 1½ ft. in diameter, $2.00 each; extra size about 2 ft. in diameter, $3.00 each.

	Per 100
Delphinium (Larkspur), Double Giant Hybrids, strong blooming plants from ground	$8.00
Hollyhocks, Superb Double, in separate colors and Allegheny, all colors mixed, strong plants from ground	8.00
Shasta Daisies, strong plants from ground	12.00
Tritoma Pfitzeri	12.00
Hardy Phloxes, a grand assortment of the very choicest sorts	6.00
Japan Lilies, Auratum, Roseum, Rubrum, Album and Melpomene	5.00
Japanese Fern Balls, large size, extra quality	25.00
Caladium Esculentum— Fine bulbs, 6 to 9 ins. circumference	3.00
" 9 " 12 " "	6.00
Dielytra Spectabilis	8.00
Pansies, very finest strain, large-flowered, in full bloom	3.00
English Daisies, white and pink, in flower	3.00
Ampelopsis Veitchii, extra heavy, field-grown stocks	16.00
Dahlias, dry roots, Cactus, large-flowering, etc., finest named	8.00
Poppies (Oriental), in pots	8.00

On account of lateness of season, stocks are being reduced rapidly and it is possible we may be out of some of the above-named sorts. In ordering, kindly state whether we can substitute other equally good sorts if we should be sold out of the kind specified, or, better still, leave selection to us and we will furnish a first-class assortment of varieties, including the above-named kinds and also quite a number of other kinds of which we do not have enough stock to offer specially.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

GRAFTED ROSES

BRIDE	$15.00 per 100
BRIDESMAID	$120.00 per 1000

Own Root Stock

BRIDE BRIDESMAID METEOR	$4.00 per 100 $35.00 per 1000
AMERICAN BEAUTY	$6.00 per 100 $50.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Cannas

LARGE, DORMANT PIECES

THREE AND MORE EYES

TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50
Worth and sold elsewhere for $6.50.

Consists of 50 each: **SHENANDOAH**, dark foliage, large pink flower; **C. HENDERSON**, crimson; **MME. CROZY**, scarlet, gilt edge; **F. VAUGHAN**, yellow, red spots; **P. MARQUANT**, salmon-pink,

OR CUSTOMERS CHOICE FOLLOWING VARIETIES AT

25c. per doz.; $1.50 per 100; $12.50 per 1000

MME. CROZY, PAUL MARQUANT, BURBANK, CHAS. HENDERSON, ALPHONSE BOUVIER, PEACHBLOW, FLORENCE VAUGHAN, ITALIA, QUEEN CHARLOTTE, FLAMINGO, AUSTRIA, ALSACE, SHENANDOAH (bronze foliage).

GLADIOLUS

All Selected Bulbs. Florists' should observe the fact that many of the so-called new and improved Hybrids are not suitable for market purposes, being of a flimsy texture will not stand any length of time cut like the Standard Gandavensis varieties, named below:

	100	1000
American Mixed, many whites	$1.00	$8.50
Very Fine Mixed	.75	6.50
Second Size Mixed	.65	5.00
Augusta, pure white	4.50	40.00
May, Daybreak color	2.50	20.00
White and Light, best	2.00	18.00

DAHLIAS LARGE FIELD ROOTS

	100	1000
Named Varieties: Fancy, Show, Cactus, and Pompon	$8.00	$50.00
Mixed, all colors	4.00	35.00
Separate Colors: Pink, red, striped, yellow or white	4.50	40.00

TUBEROSES

All Sound and Selected Bulbs, hand picked and selected, 4 to 6 inches, $7.00 per 1000; $1.00 per 100. 4 inches, $5.00 per 1000; 75c. per 100.

CALADIUM ESCULENTUM (ELEPHANT EARS)

All With Center Shoots.	100	1000
Bulbs, 6 to 8 inches in circumference	$2.00	$15.00
" 8 to 10 " "	3.50	30.00
" 10 to 12 " "	6.50	50.00
" 12 inch and over, $1.50 per doz.		15.00

CYCAS REVOLUTA

Dry Stems. Fresh imported, true long leaf variety now ready, in cases containing about 350 lbs. each. We can supply stems of any weight from ½ lb. to 10 lbs. each, and we will repack the cases with stems of any size suitable to the customer's requirements. Per 10 lbs., 12c. per lb.; 100 lbs., 10c. per lb.; whole case, 7½c. per lb.

JAPAN MAPLES Large plants, many branches, 2-3 ft. high, several varieties, all hardy kinds, 50c. each; $5.00 per doz.; $30 per 100.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET
TELEPHONE: 4390 SPRING
New York City

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

BAY TREES. Ask for Prices.

H. P. ROSES, our selection, $10.00 per 100.

TEA ROSES, our selection, $12.00 per 100.

RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	per doz.,	$12 00
26-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

EVERGREENS, We have a very large collection of all kinds, including Abies, Blue Spruce, Retinospora, English and Irish Yews, Cupressus, Thuya, Pinus, Juniperus, Cedrus, etc. Ask for a list of general varieties.

BOXWOOD, Pyramid, Standard, Bush, Globe and clipped in all shapes.

VINES, Clematis, large flowering varieties, 3 years old, Dutchman's Pipe, Belgian Honeysuckle, Wistaria, Silk Vine, Ampelopsis Engelmanni, Quinquefolia, Trumpet Vine, Akebia Quinata, Actinidia polygama. All these vines, strong plants, from 5 to 8 ft., per doz., $3.00; per 100, $30.00. Lonicera Halleana, per doz., $1.00; per 100, $8.00. Clematis Paniculata, per doz., $1.00; per 100, $10.00. Lonicera reticulata, per 100, $10.00. Ampelopsis Veitchii, XX, per 100, $12.00. Jasminum nudiflorum, per 100, $12.00.

JAPAN MAPLES, 2 yrs old, pot-grown, grafted. 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

HERBACEOUS PLANTS by the 1000, in all leading kinds. Ask for special catalogue of same.

KALMIAS (Mountain Laurel), $50.00, $75.00 and $100.00 per 100.

Just Received
FICUS
(RUBBER PLANTS)
$15.00 per 100
$135.00 per 1000

Fruit Trees in all sizes. Ask for special Trained Fruit Tree List.

MAGNOLIA, Soulangeana, Lennei, Alexandriana, 2½-3 ft., each, $1.00; 3½-4 ft., each, $2.00; 4-5 ft., each, $3.00.

STANDARD HYDRANGEAS, per 100, $25.00.

JAPANESE SNOWBALLS, tree form, per doz., $8.00.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

AUCUBA JAPONICA,	12-15 in.	per doz.,	$2.50
	15-18 in.	"	3.50
" **VARIEGATA,**	18-24 in.	"	5.00

GARDENIA VEITCHII, 6 in. pots, per doz., $8.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

HARDY JAPAN LILIES

	100	1000		100	1000
AURATUM, 8-9 in.	$5 00	$45 00	**ALBUM,** 8-9 in.	$5 50	$50 00
" 9-11 in.	7 50	65 00	" 9-11 in.	7 00	60 00
RUBRUM, or ROSEUM, 8-9 in.	5 50	45 00	**MELPOMENE,** 7-9 in.	6 50	60 00
" " 9-11 in.	7 00	65 00	" 9-10 in.	9 50	80 00

We have large quantities of Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J.

SEASONABLE

Caladiums Medium size bulbs, $5.00 per 100.

Cinnamon Vines Large roots, $2.50 per 100.

Madeira Vines Extra large roots, $2.00 per 100.

Begonias Single red, yellow, orange and rose separate colors, $3.50 per 100.

Tuberoses $1.00 per 100; $9.00 per 1000.

W. ELLIOTT & SONS,
NEW YORK

Mention the Florists' Exchange when writing.

BEAULIEU'S

HARDY WHITE ONION

Ounce, 20c.; pound, $2.00. Send for testimonials On page 85 of Greiner's "New Onion Culture," appears an account of this Onion. **Special Offer.** Every purchaser of one or more pounds of seed can have a copy of this new book, free. **Pansy Seed** as usual.

BEAULIEU, Woodhaven, N.Y.

Mention the Florists' Exchange when writing

PRIMULA

Fringed Chinese, for Exhibition,
Selected Strain.

Trade Pkt.,	**$1.00**
1-2 Trade Pkt.,	**.50**

D. Landreth & Sons,
FLORIST DEPARTMENT,
1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

We are now booking orders for

Lilium Harrisii
AND
Lilium Longiflorum

Send for our prices stating number and size required.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

TUBEROSES The True Dwarf Excelsior Pearl

Extra Fine Stock, 4-6 in. circumference	$7.00 per 1000
Good Flowering Stock, ¾ in. "	3.00 "

Prices hold good while stock lasts.

Just Arrived:
BAY TREES, PYRAMIDS and STANDARDS
LATANIAS, PHŒNIX, KENTIAS

In all Sizes and Prices. Further Particulars given by

F. W. O. SCHMITZ, Prince Bay, N.Y.

Mention the Florists' Exchange when writing.

HARRISII BULBS

For August Delivery

Good straight stock of Harrisii are not plenty. We have the sale of as large a supply of carefully grown and well rogued stock as can be found on the Island of Bermuda. There is no more profitable forcing bulb in the whole list than true Harrisii. Place your orders with us now and you will get the best bulbs produced this year.

Our arrangements for high grade bulbs of French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all **Dutch Hyacinths, Tulips, Narcissus and Spiraea** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

By combining your order for a full line of this stock with us, you get each in season and all at the closest cost for high grade stock. Economy in carload freight shipments and large importations supply half our profits.

Write for prices before closing any forcing stock order

Vaughan's Seed Store,

NEW YORK:
14 Barclay St.,

CHICAGO:
84-86 Randolph St.

Mention the Florists' Exchange when writing.

JAPAN LILY BULBS

Auratum		Per box
	7x9, packed 160 in box.	$6.40
	9x11, packed 100 in box	5.00
	11x13, packed 75 in box.	8.25

ROSEUM or RUBRUM 7x9, packed 160 in box $6.40 per box.

ALBUM 7x9, packed 150 in box, $7.00 per box.

For list of all other bulbs send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY ST. NEW YORK

BRANCH, 404 EAST 34TH ST.

Mention the Florists' Exchange when writing.

TUBEROSE BULBS

Dwarf Excelsior Pearl

Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% dis count for cash with order.

Our stock of Excelsior Pearl has bee bred up by many years of careful sele tion from bulbs producing the shortes stalks with full heads of double flowers

	Per 100	Per 10
Medium Size, 3 to 4-in.	$0 50	$3 5
Special Size, 3½ to 4-in.	60	4 5
First Size, 4 to 6-in.	90	8
Mammoth Bulbs, 6 to 8-in.	1 50	12

CALADIUM ESCULENTUM, with liv center shoots.

	Per 1
5 to 7-in.	$2
7 to 9-in.	3
9 to 12 in.	6
12-in. and up	13

Gladioli, Fern Balls, Hardy Lilies

VAUGHAN'S SEED STORE

CHICAGO
84 Randolph St.

NEW YORK
14 Barclay

Mention the Florists' Exchange when writing.

This cut is reproduced from a photo of one of my fields, taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

Mention the Florists' Exchange when writing.

TUBEROSES

DWARF, EXCELSIOR, PEARL. Mammoth Bulbs.

-6 inches and over	$0 85 per 100; $7 00 per 1000
-4 "	0 50 " " 3 00 " "

New Gladiolus—PRINCEPS

A Hybrid of the rare Cruentus and Childsii seedling. Flowers measure 5 to 7 inches across. Color, dazzling scarlet, with cream white feathering on lower petals. For massing it is unsurpassed. We offer a limited stock, to introduce, at 35c. each; $3.75 per doz.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

NEW CROP SMILAX SEED

will be ready for delivery in July. A short supply is probable on account of injury to the flowers by the late frosts in the few localities where Smilax can be successfully grown for seed. By booking now for future delivery, we feel confident you can secure better figures than it will be possible to give later in the season. Write for prices, stating quantity you can use.

COX SEED COMPANY, SEED GROWERS, San Francisco, Cal.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June

Smilax Roots at all Seasons

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam.	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.

VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

IMPORT BULB ORDERS

Orders now booked for the highest grade of

Lilies, Hyacinths, Tulips, Narcissus, Freesias, etc.

AT SPECIAL IMPORT PRICES

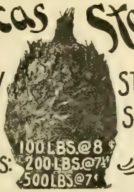
Prices on Application.

CANNAS, CALADIUMS, DAHLIAS, GLADIOLI, TUBEROSES at reduced prices to close out.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Cycas Stems



NEW STOCK

ALL SIZES

Prices: 100 LBS. @ 8¢ 200 LBS. @ 7½¢ 500 LBS. @ 7¢

VAUGHAN'S SEED STORE,

14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

SPECIAL CLEARANCE OFFER

	100	1000
TUBEROSES, Excelsor Pearl, 3-4 inch up	$0.30	$2.50
GLADIOLI All White and Light	1.25	10.00
GLADIOLI Rose	1.00	8.00
GLADIOLI Groff's Hybrids	1.75	15 00
GLADIOLI Finest Mixture in market	.85	7.00
CYCAS REVOLUTA, 1-10 lbs.	10 lbs., $1.00;	100 lbs., $8.00

H. H. BERGER & CO., 47 Barclay Street, NEW YORK.

REED & KELLER

122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of FLORISTS' SUPPLIES.

NOVELTIES CONSTANTLY ON HAND.

Mention the Florists' Exchange when writing.

LARGE TREES

Poplars, Norway and Sugar Maples

Privet, 18-24 in.	$22.50 per 1000
" 3-4 ft.	55.00 "
" 4-5 ft.	65.00 "

ROSES

I. 2½ in. pots Prices on application.

H. P. Roses, in 3 and 4 inch pots

Cannas in variety. Geraniums, very fine, at $70.00 per 100.

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

"CYCAS REVOLUTA"

FRESH STOCK.

From 2 to 6 lbs., 25 lbs. $2 50, per 100 lbs. $8.00.

Asparagus Plumosus Nanus Seed.

There is still time to sow FRESH SEED which we offer. 90c. per 100, $7 50 per 1000.

(Catalogue mailed on request)

Henry F. Michell, 1018 Market St., Phil.,

Seed Growers and Importers.

Mention the Florists' Exchange when writing.

HARDY WATER LILIES

Also The Sacred Lotus and its varieties.
Send for wholesale price list.

W. J. RICHARDS, Wayland, Ohio.

Mention the Florists' Exchange when writing.

ASTER SEEDS

Selected from the largest and finest branching vars., white, pink and lavender. Per packet, 20c., 3 colors for 50c.; per oz., 50c. Prepaid by mail.

TH. F. VAN DER MEULEN

FLORIST, DUNKIRK, N. Y.

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS

For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

SELECTED STRAINS OF

FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

WEEBER & DON, SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

20,000 DAHLIAS

Strong whole field grown roots, in 50 best sorts, $4.00 per 100; $36 00 per 1000; send for list. Mixed whole roots, in separate colors, white, pink, red and yellow, $3.50 per 100; $30 00 per 1000; fine mixed, all colors. These mixtures contain fine named varieties, all double, show, cactus and pompon, $3 00 per 100; $25.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON,

Purcellville, Va.

Mention the Florists' Exchange when writing.

BOOKS RECEIVED.

INSECTS INJURIOUS TO ROSES: Their Prevention and Eradication. By Friedrich Richter von Binnenthal. Illustrated by Reichert. Publisher: Eugen Ulmer, Stuttgart, Germany. Paper.

This is a book of 400 pages printed in the German language. It treats exhaustively on the history and destructive habits of all insects that attack the rose; also furnishes formulæ of agencies for their prevention and eradication. Numerous illustrations render easy the identification of the various pests, showing as well the nature of their ravages.

ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

SHEBOYGAN, Wis.—Representatives of the Allen Seed Company, of Three Mile Bay, N. Y., recently visited this vicinity looking for a suitable site for a warehouse to have a capacity of 100,000 bushels of seed beans and peas.

Sixty thousand acres is a conservative estimate of the breadth planted to Lima beans this season in California. Not all for seed purposes, of course, although that is quite an item—possibly 20 per cent. The liberal rainfall and existing conditions give promise of abundant yield. Seed beans other than Limas are receiving considerable attention, and it looks as if Michigan will have an able-bodied competitor before very long.

The San Joaquin River flooded sixty acres of onion set for seed, completely destroying the crop, causing irremediable loss.

New crop smilax seed will probably command high prices. Late frosts injured and in many cases completely destroyed what was a promising outlook.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance Phone 9x. BERLIN, N. Y.

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

DORMANT ROSES

Two-year, field-grown, strictly first-class, mostly own roots. I offer, subject to sale, at these prices. No bundles will be **broken.**

$15.00 per 100

70 Comtesse de Murinaise
140 Agnes E. Carman

$10.00 per 100

600 Mad. Chas. Wood
90 Salet
660 Francois Levet
20 La Reine
110 Alfred Colomb
110 Woodland Marguerite
240 Devoniensis
60 Perpetual White Moss

40 White Bath
1110 Baroness Rothschild
30 Anna de Diesbach
140 John Hopper
1000 Gen. Jacqueminot
40 Marie Van Houtte
40 Caroline Testout
1000 Crimson Rambler

90 Crested Moss
2000 Magna Charta
130 Merville de Lyon
200 Ulrich Brunner
100 Cheshunt Hybrid
160 Duchesse de Brabant
40 Blanche Moreau

$7.50 per 100

10 Oscar Roi de Suede
100 Luxemburg
160 Gracilis
600 Pink Roamer

830 Henry Martin
60 Princess Adelaide
500 Pink Rambler
360 Manda's Triumph
1200 Universal Favorite

20 Countess of Oxford
180 Captain John Ingram
250 Yellow Rambler
360 Orange Perfection

RHODODENDRONS

Named Sorts, 18 to 24 in., $12.00 per dozen; $90.00 per 100.

Also a general assortment of **SHRUBS, SPECIMEN EVERGREENS** and **BUXUS.** Can make prompt shipment.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

European Notes.

The cold breath of Winter, which a week ago had been almost forgotten, has come back very bitterly to blast our best hopes. Almost everything had managed so far to go ahead steadily and give promise of abundant crops. The warm, wet weather had brought a little rottenness into the root crops, such as turnips, beets, etc., especially where the roots had been nipped by the stiff Autumn frosts; but, generally, all seed crops were growing away strong and well, and it is this very fact which is causing dismay among the growers to-day.

The cold wave has come so suddenly upon us that it is impossible yet to give any accurate idea of what damage is done; and, moreover, the frosts and snow still continue, and the damage, also. Certainly the cabbage and turnip crops in England must suffer considerably; early blooms will surely be cut off, and thus a fair percentage of the crop lost. There has been very little snow in the growing districts of England, but many degrees of frost and a biting cold wind are doing deadly work. Early peas, those that have made a fair amount of vine, are being quite withered by the cold.

Germany has had snow in large quantities, and many fears are felt for the safety of their biennials, which had got quite a start in the warmer weather, and have thus prepared themselves to suffer from the attack of frost and cold.

In France it is quite as bad, and there can be no doubt but that quite a large acreage of the beet crop must be destroyed. A goodly number of the roots had been damaged, either in the Autumn or by the early Spring frosts, and it seems as if their last chance had been ruined by this unfavorable change. Carrots, also, are suffering, but until better times return it is a practical impossibility to state what actual amount of damage has been done.

The unusual weather is having some remarkable effects on early flowering plants, especially bulbous varieties, and many complaints are reaching merchants for which nothing but the unseasonable times are responsible.

Trade, on the whole, has been fairly good, most agricultural seeds being in demand. Red clover maintains good prices, and stocks are running low. Grasses need pushing to make sales. Sainfoin is sought after, as are alsike and white clover. Others show no particular feature.

Since writing the above report I am in receipt of a letter from a large growing center in England saying that the turnip crops are practically cut down by the frost, the heads drooping and black. This may mean a very great loss; or, should warmer weather arrive soon, the plants may send out new shoots in profusion from the base of the stem and produce, though later, an even better yield than had been estimated.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

THE CONARD & JONES COMPANY, West Grove, Pa.—Trade List of Plants, illustrated.

CHARLES BLACK, Hightstown, N. J.—Price List of Peach Trees, Small Fruits, Greenhouse Plants, etc.

STATE NURSERY COMPANY, HELENA, MONT.—Illustrated Price List of Plants, Seeds and Nursery Stock, Cut Flowers, Designs, etc.

W. WELLS & CO., Redhill, Surrey, England.—Descriptive Catalogue of Chrysanthemums for 1902 and 1903. Also sheet showing illustrations of some of the newer varieties.

10,000 CALIFORNIA PRIVET

EXTRA STRONG STOCK

3½ to 4 feet. Makes hedges at once. $10.00 per 100.

DAHLIAS, Best named varieties from 4 inch pots. $1.00 per per doz.; $7.00 per 100.

CANNAS, All leading varieties from 4 inch pots. $1.00 per doz.; $7.00 per 100.

Dracaena Indivisa, From 3½ inch pots. $1.50 per doz.; $10.00 per 100.

SIEBRECHT & SON ROSE HILL NURSERY, New Rochelle, N. Y.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

Ligustrum Regelianum

(Prostrate Privet)

A variety of merit. Much hardier than California. Largest Stock in America. All Sizes. Transplanted.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa. WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing

Holland Nursery Stock

ENDTZ, VAN NES & CO., BOSKOOP, HOLLAND.

Our Mr. Endtz will be in the United States until May 6. Address communications care of

MALTUS & WARE, 136 Water Street, N. Y.

Ask For Our Catalogue.

Mention the Florists' Exchange when writing.

EVERGREENS

As grown at Glenwood.
The best in the United States.

The Glenwood Nurseries

offer the finest **TREES,** both

EVERGREEN and DECIDUOUS, FLOWERING SHRUBS and VINES

of all sizes in general assortment.

New **Trade List** ready. Special quotations to large buyers.

The WM. H. MOON CO., Morrisville, Pa.

60 Miles from New York, 30 Miles from Philadelphia.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

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CALIFORNIA PRIVET 2 to 2½ feet, $20.00 per 1000; 500 at same rate; 250 up, $2.25 per 100; less, $2.50 per 100. 2½ to 3 feet, $3.00 per 100. 1½ to 2 feet, $17.50 per 1000; $2.00 per 100. 12 to 18 inches, $12.00 per 1000; $1.30 per 100. All ready for shipment. Two-year, cut back, $2.25 per 100. One-year, cut back, $1.20 per 100. **Privet Cuttings,** rooted, 60c. per 100 by mail. Cuttings, not rooted, $1.00 per 1000 by express. Packing free. Cash with order.

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All strong young plants, well packed. Not less than 500 of one variety at 1000 rates.

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Saunders, Wm. Belt, Sharpless, Gandy, Haverland, Brandywine, Glen Mary, Marshall, Pride of Cumberland, Clyde, Bismark, Nick Ohmer, Gandy Belle, New York, Kansas, Rough Rider, Enormous, Ruby, Lady Garrison, Parker Earle, 50c. per 100; $2.50 per 1000.

Lovett, Dayton, Chas. Downing, May King, Michigan, Parson's Beauty, Crescent, Excelsior, Gibson, 40c. per 100; $1.50 per 1000.

Success, Robbie, Joe, 50c. per 100; $2.50 per 1000.

CHAS. BLACK, HIGHTSTOWN, N. J.

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VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head and other vars., 25c. per 100; $1.25 per 1000.

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BEET Eclipse, Crosby's and Egyptian 20c. per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY White Plume and Golden Self Blanching. $1.00 per 1000.

EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.

PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. Cash With Order

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President, D. S. Lake, Shenandoah, Ia., Vice-President, George C. Seager, Rochester, N. Y., Secretary, C. L. Yates, Rochester, N. Y., Treasurer

American Association of Nurserymen.

This association holds its twenty-seventh annual convention at Detroit on June 10, 11, and 12, 1903. A rate of one full fare going and one-third returning, on the certificate plan, has been granted by the railroads. The Hotel Cadillac will be headquarters. Secretary George C. Seager, of Rochester, N. Y., has issued a preliminary program of the proceedings. Among the subjects to be discussed by the delegates are the following:

Professor L. H. Bailey—"The Whole Question of Varieties."

J. H. Hale—"The Relation Between the Nurseryman and the Commercial Fruit Grower." Discussion by Howard A. Chase, H. W. Collingwood, J. M. Irvine.

Frank B. White—"Publicity for Nurserymen." Discussion by R. T. Olcott, J. M. Irvine, L. H. Bailey, J. H McFarland, H. W. Collingwood.

F. W. Taylor—"What the Louisiana Purchase Exposition Offers to Nurserymen."

H. W. Collingwood—"The Nurseryman as the Editor Sees Him."

William Pitkin—"Insurance for Nurserymen." Discussion by George C. Perkins, E. Albertson, D. S. Lake.

Howard A. Chase—"The Agency Business—Its Importance to the Nursery Interests, and the Dangers that Beset It." Discussion by C. L. Watrous, Howard Davis.

G. L. Taber—"The Nursery Interests of the South." Discussion by R. C. Berckmans, N. W. Hale, W. F. Heikes.

E. W. Kirkpatrick—"The Nurseryman's Work in Texas."

George A. Sweet—"The Cost of a Tree." Discussion by Herbert S. Chase, Orlando Harrison, W. F. Heikes, William Pitkin.

All above arranged for. Subjects yet to be tried for are as follows:

Thomas B. Meehan—"Growing Ornamental Nursery Stock as a Business."

Professor John B. Smith—"Spraying and Fumigation for Nurserymen up-to-date."

Notes.

Many of the so-called Summer spiræas flower profusely in late Summer if cut well down at this time. The Douglasii, tomentosa, Bumalda and Anthony Waterer are of this class. They want abundant moisture through the Summer, then the display of flowers is large.

Dolichos japonicus, the kudzu vine, of renowned rapid growth, flowers in September. The dark pink blossoms are in short racemes, some six inches in length, and have an agreeable odor. It is the vine to plant where great space is to be covered.

Magnolia grandiflora is not so renowned for its flowers as are those of the Chinese section, though its large white blooms are very beautiful. Its fame comes chiefly from its large, carmine-colored seed pods, in August and September.

This is the season of the year to take yucca roots, cut them up and set them out for the increase of stock. With sorts that never seed with us, such as the gloriosa and recurva, it is the only way to increase them.

Douglas' golden juniper is a lovely evergreen at this season, as its new growth is being made, as are all golden foliaged evergreens. It is a variety of our common juniper, J. communis.

Clerodendron trichotomum is a lovely Summer-flowering shrub, entirely hardy in the vicinity of Philadelphia; blooming in August and September. The flowers are cream colored, with pink calyx, arranged in a somewhat flat cluster.

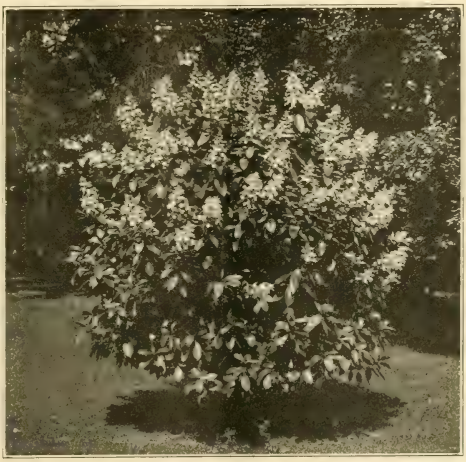
Elm and silver and red maple seeds are ripening now. The sooner they are sown after being gathered, the better the results, always, as good plants are made by Fall.

Nurserymen are experiencing calls for stock from South Africa. As a hint for shipping, the seasons there are about the opposite of ours. The Summers are hot and dry.

Activity in the Nursery Business.

From all parts of the country come reports of a lively business from nurserymen. One and all say trade is fully up to that of last Spring, which was thought to have been uncommonly good. There seems no specialty worthy of particular mention. For the cheapest article as well as the most expensive one, orders come. Fruit trees were in great demand not only by farmers but by those who appeared to be replanting old orchards and setting out new ones. Purchases of the latter class invariably call for large trees. They want trees of a bearing size. Near cities, large fruit trees sell, where it would be hard to dispose of them to those in the country. The producing of large transplanted fruit trees is something which has been neglected, but which will pay to follow.

The call for evergreens has been great, but it has been met better than it was last year; and the stock has been very good. Old stock was got rid of last season; what little had not been sold before, and what is now in nurseries, is nice, thrifty, young material, in fine condition for transplanting. The weather having been favorable for tree growth, on the whole, it is thought complaints of trees dying will be but few.



HYDRANGEA PANICULATA

In addition to the various ways of increasing stock, such as layering, cutting, grafting and budding, there is that of seed sowing; and now is the time to attend to this work. Those most successful in the line of seed sowing take advantage of the first chance in Spring to get the seeds into the ground. The earlier, the better they do, without doubt. Many sorts are sown in the Fall, and such as were, should now be above ground. It is still in good season to sow evergreen seeds, though a little earlier would have been better.

These notes on seed sowing are hardly germane to the subject of the activity in the nursery business, but the prospects of continued calls for stock suggested a few lines on how to meet them.

Hydrangea Otaksa.

The Hydrangea otaksa, of which it was said when first sent out, it would prove hardier than H. Hortensia, has not sustained its good name. With us it behaves in Winter just the same as does H. Hortensia, maintaining its branches uninjured when in protected, sheltered places, and partly losing them when exposed. In fact, all the forms of H. Hortensia behave as it does. Unprotected they may be partly or wholly injured to the ground, in which case no flowers come, or but few. The Winter just over leaves a large bush of my own killed half way to the ground. It had no protection at all, but few flowers may be expected. Had it been covered with sawdust it would have been preserved to its points, and many heads of flowers would have resulted.

Budded Lilacs.

In order to increase the newer varieties of lilacs rapidly, nurserymen bud them on the California privet. This gives perhaps fifty times as many as could be raised by layering in the same time. As many persons prefer that their lilacs should not be over large, the privet stock furnishes what is wanted, the lilac not growing as robust on it as when on its own roots. There is a tendency in the privet stock to throw up shoots from the base, as a Manetti rose will do, and this is an objection, though one not formidable. By cutting out all the eyes of the stock before planting, it ends the trouble. It can be met in another way—by planting the bushes deep enough that the stock is well underground. Very rarely is there any shoot from it then.

It is sometimes desired that the lilacs be on their own roots instead of on the privet, even though budded on this stock. This can be accomplished by deep planting. Set the plants so that the true lilac shoots are several inches under ground, and in the course of time roots will emerge from the lilac, just as often occurs with dwarf pears. Should anyone have plants already planted, dig them up and set them lower. It is the only way, unless practicable to mound soil about them. No doubt a little slit cut into the lilac wood, just as would be done if about to layer it, would cause roots to form quickly.

Late Transplantings of Trees and Shrubs.

Try as they will, nurserymen always fine some stock to be transplanted late instead of at its proper time. It may be bought-in stock or some home-grown which it has been impossible to plant earlier. There are many trees and shrubs much the better for being cut down at planting, even when set out early, and with these there will be but little lost by the lateness of planting. In the case of both trees and shrubs, there are many the better for being cut back, and some which should not be so treated. It takes much practical experience to know which will push up strongly from the base and which will not.

Among trees, the greater number may be cut down. The magnolia, tulip tree, poplar, ash, linden, catalpa, plane and maple are examples of those which will shoot up nicely when cut back. The elm, Kentucky coffee, oak, beech, persimmon, sour gum and hickory are representatives of some which had better be let alone, as the shoots that follow a cutting back are apt to be of a branched nature instead of a straight, upright one as desired.

Shrubs, being desired in bush form, may be cut back with impunity. In fact, having in mind that these notes refer to late plantings, the shrubs should be cut down, or, being in leaf, wholly or partly, they may die outright if not cut back.

These cut back shrubs make grand ones for retailing by Fall. Bushy from the base, they are just what customers want—not overgrown, heavy stock, but bushy and young.

Nurserymen who raise much of their own stock of shrubbery from cuttings set out in Spring, can, in many cases, make the plants which follow from the cuttings something more than a single shoot, by going over them in Midsummer, when in the height of growth, and pinching off the tips of the shoots. In the case of weigelias, spiræas, and other shrubs which branch easily, I have known fair salable plants result from such cuttings by Fall.

Privet Winter-Killed.

I have not as yet noticed anything in your paper in regard to the loss of privets in this section. About all in this city (whether old or young hedges) have been killed to the ground; in Newport practically the same thing happened. Have you ever heard of this occurring before? Or have you any knowledge of the cause? So far as my experience goes it has never happened here before.

C. V. S. R.

Fall River, Mass.

In the vicinity of Philadelphia I have heard of no losses of privet, but a nurseryman some few miles from here reports a block of two-year plants killed to the ground, while another block of similar plants in a different position, was entirely unharmed. A few years ago lots of privet hedges hereabouts suffered, the first and only time that I know of. It is difficult to name the exact cause. There may be many causes. A wet Autumn, creating late growth and unripened wood, will often result in loss of plants. A very dry Winter, with less moisture in the soil than the plants actually require, accompanied with severe cold, will cause loss of plants. Three winters back trees and shrubs of all kinds were terribly hurt here from the latter cause hard freezing and dry ground.

Without knowing the exact conditions of the past Winter with you, I incline to think your plants made a late growth, and, consequently, had unripened wood. It's a consolation to know that the privet is often greatly benefited by being cut to the ground. Let us hope it may prove true, in the cases you have mentioned.

Hydrangea Paniculata.

It is not as well known as it should be that Hydrangea paniculata is a very different shrub from H. paniculata grandiflora. The latter is the common hardy hydrangea, found now in almost every garden, as it deserves to be; while the H. paniculata, the one the picture represents, is a very different shrub in appearance from H. paniculata grandiflora, as will be admitted by all. The H. paniculata is the typical one, while H. grandiflora is a variety. It will be recognized that in ordering from nurserymen care should be taken to write distinctly which is required. Many customers are careless in this respect and write but paniculata when they mean grandiflora.

The heads of flowers on H. paniculata are comparatively light while those of H. p. grandiflora are so heavy as to weight down the branches. It is the upright position of the inflorescence of H. paniculata that characterizes it and which causes it to be thought by many as valuable as the grandiflora with its heavy heads of white flowers. No one will deny its beauty, as displayed in the illustration.

It is propagated by soft wood cuttings placed in the greenhouse in Summer, or by hard wood ones, cut in Winter and planted out in Spring; or by layers of the young wood in Midsummer, rooting under any of these systems as readily as does the other sort spoken of.

JOSEPH MEEHAN.

SWEET POTATO PLANTS

Clean and healthy, Big Stem Jersey, $1.50 per 1000; Cedarville and Yellow Nansemond, $1.25 per 1000; Early Red and Red Nansemond, $2.25 per 1000. Send for price list of other varieties.

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AMPELOPSIS VEITCHII

200 strong, 2 year plants, $3.50 per 100; the 200 for $5.00. 100 medium, $2.00 the 100.

CHAS. BLACK, HIGHTSTOWN, N. J.

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(Gardenia Florida)

Strong stocky plants, $2.00 per 100; $18.00 per 1000.

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TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

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JUST RECEIVED FROM OUR HOLLAND NURSERIES:

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Spiræa Japonica,	Lilium Speciosum,
Peonies,	Bleeding Heart,
Pot-Grown Lilacs,	Hydrangea in Sorts.

Clematis and H. P. Roses, in the best sorts.

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FINE GRAFTED ORANGES BEARING SIZES

12 in., Bushy, from 4-in. pots..........$20 00 per 100
16-18 in., " " " .... 30.00 "

KIN KANS.

10-12 in., Bushy, from 4 in. pots ....$20 00 per 100

LEMONS.

12-15 in, Bushy, from 4-in. pots.......$20 00 per 100
18-24 in., " " " .... 30.00 "

ORANGES, LEMONS, LIMES.

Fine Specimen Plants, well branched 3-4 ft., $2 00 to $3.00 each.

CLEMATIS APIIFOLIA.

A fine variety, somewhat similar to C. Paniculata, but blooms **Earlier and Lasts Longer**—Strong plants from 3-in pots.......$8 00 per 100

FICUS ELASTICA (Top Cuttings).

10-12 in...............................$20.00 per 100

KENTIA BELMOREANA.

12-15 in., 5 ch lvs, 3-in. pots..........$18 00 per 100

Phœnix Reclinata and Farinifera

12-15 in., 4-in. pots ....$15 00 per 100
(Not less than 40 of a class at 100 rate).

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2-3 eyes to each division, best sorts...$15.00 per 1000
(Not less than 400 of a class at 1000 rate.)

Latanias, Pandanus, Ornamental Trees and Shrubs in Large Quantities.

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Norway and Sugar Maple. Different sizes; come and see them. Nursery adjoining Inter-State Fair Grounds.

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P. LOEF AZ & CO. Wholesale Nurserymen

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Representative
Care of Maltus & Ware, **136 Water St., New York**

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Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

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ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

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2000 NORWAY SPRUCE, 4 to 7 ft., transplanted, $25.00 to $30.00 per 100.
150 AUSTRIA PINES, 5 to 6 ft., transplanted, $1.00 each.
1500 PEONY FRAGRANCE, $75. per 1000

CHARLES LENKER, FREEPORT, L. I., N. Y.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, **Rochester, N. Y.**

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THINGS YOU NEED!

	Per 100
10,000 **Coreopsis** clumps	$4 00
10,000 **Helianthus** Maximiliana, strong divisions	2 50
10,000 **Achillea** Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum, Maximum Triumph, strong divisions	5 00

Cash with order, please.

W. C. EISELE, West End, N. J.

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SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.
Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.
Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.
Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000, 2 yrs., $1.50 per 100· $12.00 per 1000.
Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.
Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100, $35.00 per 1000.
Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

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THE AMERICAN CARNATION: How To Grow It

By C. W. WARD

READY FOR DELIVERY

Price $3.50, Carriage Paid

Sample pages, giving synopsis of contents, mailed on application

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Providence, R. I.

Jottings of Interest.

Messrs. Nichols and Forbes were recent recipients of brand new children.

Fancy and dagger ferns are almost gone, and it will require hustling to secure a stock of them for Memorial Day.

Mrs. Bellows, formerly with T. J. Johnston, is open for engagement at present.

Covill and Seymour, of Warren, are ready with a nice cut of sweet peas.

It is learned from reliable sources that the present public school session will terminate as usual, but that next year there may be a change, inasmuch as the leading grammar schools will unite in having one set of exercises at Infantry Hall, thus dispensing with the individual school closings. This would doubtless cause a diminished use of flowers.

The question of early closing and half holidays is arresting the attention of the trade.

W. B. Hazard is renovating his store and papering the ceiling.

C. S. M.

Worcester, Mass.

Fisher & Son's lease of their branch store does not expire until October next.

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Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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OAK PARK NURSERIES

Few Thousand Privet, 18-24 in., $20.00 per 1000; 500 **Carolina Poplars**, 12-14 ft., 12c.; 1000 **Arbor Vitæ**, 6-7 ft., very fine; 500 **Norway Spruce**, 4-6 ft., fine; 500 **Norway Spruce**, 3-4 ft., fine; 500 **Norway Spruce**, 2-3 ft., fine. Address

M F. TIGER, - Patchogue, L. I., N. Y.

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Our Stock is true to name, extra selected, 2, 3, 4 eyed roots.

	100		100
Alphonse Bouvier	$2.00	Italia	$2.50
Austria	1.50	John White	2.00
Allemania	3.00	Mme. Crozy	1.50
Alba rosea.	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty, new	8.00	President Cleveland	2.00
Coronet	1.50	Robusta, bronze leaf	2.00
Comte de Bouchard.	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture, 1000 $10.00	1.00
Egandale, red leaf	3.00		
Florence Vaughan	2.50		

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Field-grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

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BALTIMORE MD.

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JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ⅜ to ½ inch diameter	per 1000, $6.00;	per 2000, $11.50;	per 6000, $33.00
3 " ¼ to ⅜ " "	" " 3.50;	" " 6.50;	" " 18.00
3 " ¼ " "	" " 3.25;	" " 6.00;	" " 17.00

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JOOSTEN'S SELECT LARGE GLADIOLUS, extra size TUBEROSES, and CALADIUM ESCULENTUM.

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LILACS, strong stock, good mixed varieties	$10.00	$20.00	$30.00
DEUTZIA GRACILIS, good stock		10.00	20.00
RUDBECKIA (Golden Glow)			4.00
HELIANTHUS Arygalis			4.00
1000 double **SWEET ALYSSUM**, 2½ in. pots			2.50
1000 **STEVIA SERRATA** (tall-growing), 2½ in. pots			3.00
1000 **SHASTA DAISIES**, strong, 2½ in. pots			6.00
500 **RASPBERRY PLANTS**, Philadelphia			3.00
1000 **ASPARAGUS SPRENGERI**, 4 in.			8.00

25 at 100 Rates.

50,000 Dormant Cannas SELECT STOCK.

A. Bouvier, Chas. Henderson, Paul Marquant, Mme. Crozy, Florence Vaughan, Burbank, 100, $1.50; 50 at 100 rate. Choice mixed, 100, $1.25; 1000, $10.00. 500 at 1000 rate.

AMPELOPSIS VEITCHII 5000 strong 2-year-old, $5.00 per 100.

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6 in. Frances Perkins, Red Bruant, E. G. Hill, La ilot, Neener's Pink, Beaute Poitevine, John Doyle, Ricard, La Favorite, Mme. Jaulin, $10.00.

4 in. and 5 in. Mrs. Parker, Wm. Languith, $10.00. ountain of Snow, Dryden, $8.00.

2¼ in. Sweet Scented, Freak of Nature, Red Bruant, Ricard, Beaute Poitevine, Double Gen. Grant, John oyle, La Favorite, Frances Perkins, Eliza, Neener's ink, Grand Chancellor, S. A. Nutt, Peter Crozy, Dryden, G. Hill, Mme. Salleroi, Ivy and Bronze, all very fine, 2.50, our selection; $3.00 your selection.

Mme. Pollock, Mrs. Parker, $5.00.

FUCHSIAS, double, fine varieties, 5 in. and 6 in., $25.00. 2¼ in., best doubles and singles, $2.00. R. C., assorted, $1.00.

Little Beauty, 3 in., $5 00.

BEGONIA REX, large stock plants, named, 5 in. and 6 in., $25.00.

CARNATIONS, R. C. from soil, Elm City, Joost and Crocker, strong and clean, $1.50.

COLEUS, Verschaffeltii and yellow, 2¼ in., $2.00.

AGERATUM, Stella Gurney and white, 2 in., $2.00.

GERMAN IVY, 2¼ in., $2.00. R. C., $1.00.

LEMON VERBENA, 2 in., $2.50.

SMILAX, 2 in., $2.00.

VINCA VAR., R. C., $1.00.

ALTERNANTHERA, red and yellow, R. C., $1.00.

CHRYSANTHEMUMS, R. C., $1.25. Send for list.

ABUTILON SAVITZI, 2¼ in., $3.00. 3 in , $5.00.

CUPHEA AND DOUBLE SWEET ALYSSUM, 2¼ in., $2.00. 3 in., $4.00.

ASPARAGUS SPRENGERI, 3 in , $4.00.

CYPERUS, 2¼ in., $2.50. 3 in., $4.00.

PTERIS and **ASPIDIUM,** very fine, 2¼ in., $2.50.

DRACÆNA seedlings, $2.00.

MME. SALLEROI, DOUBLE SWEET ALYSSUM, R. C., $1.50.

ABUTILON SAVITZI, R. C., $1.50.

COLEUS, red, yellow and assorted, R. C., 60 cts.

Prices by the Hundred. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

ERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, J. Doyle and others, $1.30 per 100. Le Soleil, J. Viaud, Castellane, $1.75 per 100.

OLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000.

IANT-LEAVED, 20 var., very showy, 75c. per 100.

lternanthera P. Major and A. Nana, 75c. per 100. Fine new red kinds, $1.00 per 100.

ANSIES Extra heavy rooted, fine plants in bloom, very choice, 75c. per 100.

LADIOLI, large bulbs, select, in many best fancy colors, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

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Special Bargain Sale

BEDDING PLANTS

COLEUS—Red Verschaffeltii-Yellow Queen and hree other first-class varieties, HELIOTROPE, ark blue, and AGERATUM, Cope's Pet, from -in. pots, $2.50 per 100; $20 00 per 1,000. 250 at ,000 rates. The plants are strictly first-class.

Cash with order

ENRY H. BARROWS & SON, Whitman Mass.

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RACÆNA INDIVISA, large stock, 20 to 30 inches, 5 and 6 in. pots, $2.00 to $3.00 per doz.

ERANIUMS, S. A. Nutt, double General Grant, Gloire de France and others, all in bud and bloom, 3 in., $4.00 per 100.

INCA, variegated, long vines, 4 in., $6.00 to $8.00 per 100 for selected stock.

GEO. H. BENEDICT

Yorkville Greenhouses

YORKVILLE, N. Y.

ention the Florists' Exchange when writing.

GERANIUMS

JEAN VIAUD the finest pink bedder.

Out of 5 in. pots, $10 00 per 100 } Ready for shifting
" 4 " " 6 00 "
" 3 " " 4 00 "

Send for 1903 Novelty List of Geraniums.

HENRY EICHHOLZ, Waynesboro, Pa.

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GERANIUMS

5000 Double General Grant, fine stocky plants, rooted last August, in 4 in. pots, in bud and bloom, $5.00 per 100. **SALVIA,** Silverspot, from bench, transplanted seedlings, $3.00 per 100. **AGERATUM,** Stella Gurney, 2½ in., strong, $3.00 per 100. Cash with order; if not satisfied your money cheerfully returned.

C. LAWRITZEN, Rhinebeck, N. Y.

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GERANIUMS

ROOTED CUTTINGS.

Special Price, $1.25 per 100.

2500 each of Heteranthe and Jean Viaud.

500 each of Bonnot, Acteon, Poitevine and La Favorite.

250 each of Perkins, Ricard, Harrison and Jaulin.

1000 Castris and 750 Landry.

ALBERT M. HERR, Lancaster, Pa.

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Rose Geraniums, from 2¼ in. pots; $2.25 per 100. $20.00 per 1000,

Lemon Verbena, from 2 in. pots, $2.00 per 100; $15.00 per 1000;

CASH WITH ORDER.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

Mention the Florists' Exchange when writing.

A No. 1 STOCK

Geraniums, S. A. Nutt, double Gen. Grant, Poitevine, Buchner and Perkins, elegant strong, bushy plants, in bud and bloom, 3½ to 4 in., $5.00 per 100. Extra strong, 4 in., $6.00. Mme Salleroi, strong, 3 in., $3.00 per 100. 2 in., $2.00. **Salvia,** Bonfire and Splendens; **Heliotrope, Petunia,** Giant singles; **Verbena,** mammoth; **Sweet Alyssum,** dwarf. All strong, 3 in., mostly in bloom, $3.00 per 100. **Ageratum,** blue Perfection, **Lobelia,** dwarf and trailing, strong 2 in, $1 75 per 100. **Coleus,** Golden Bedder, Verschaffeltii and fancy mixed, strong, 2½ in., $2 00 per 100; $18.00 per 1000. **Begonia Vernon,** mixed, nice plants, out of flats, $1.25 per 100. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

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XXX Stock

ROSE GERANIUMS, strong 3s, $4.00 per 100.

AGERATUM. Pauline and Gurney, in bud and bloom, very strong and bushy, 3 in. $4.00 per 100.

CANNAS. Finest varieties grown, very stout, 4 in., assorted, $1.50 per doz.

VERBENAS, Finest Mammoth, mixed, strong seedlings, 2 in. pots, $2.00 per 100.

GIANT PANSIES, in bloom, **GIANT DAISIES,** in bloom, and Ever-blooming **FORGET-ME-NOT Constance,** all transplanted, cold-frame grown, $1.50 per 100.

CHINESE PRIMROSE SEED. Finest grown mixed, 500 seeds, $1.00; ½ pkt., 50 cts.

PANSY SEED, FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CINERARIA SEED. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

CASH. Extras added to every order.

No Finer Stock in the U. S.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
0 var., Standard, 3½ in. pots	$4.00
Asparagus Sprengeri, 2 in. pots	2.00
Asparagus Plumosus, ready in June	3.00
" " Seed $7.00 per 1000.	
Centaurea Gymnocarpa	2.00
milax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Seedling Petunias	3.00
Primroses, ready July 1st	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

GERANIUMS

We are offering good, sturdy plants of the following standard Geraniums, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000.

JEAN VIAUD
Mme. LANDRY
LA FAVORITE
Mme. BARNEY
HUBERT CHARRON
Mrs. E. G. HILL
S. A. NUTT
AMERICA
MARS
QUEEN CHARLOTTE

Mme. SALLEROI, 2¼ in. pots, $2.50 per 100.

ARUNDO DONAX VARIEGATA. Strong started crowns, ready for 5 in. pots, $10.00 per 100.

25,000 CANNAS. Started, ready for potting; standard varieties, $1.50 per 100. List of varieties on application.

For other Seasonable Stock, see Florists' Exchange, page 476, issue of April 25.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

COLEUS, GERANIUMS, FUCHSIAS, ETC.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

Standard sorts, double and single

$2.00 per 100.

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.

$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana. **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.

Strong plants, from 3 in. pots, standard sorts, **60c.** per doz.; **$4.00** per 100, **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

DAHLIA ROOTS, large field clumps. Our selection, **$4.00 per 100.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in	2 00
Second size, 4 to 6 in	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Nephrolepis Piersoni

FOR IMMEDIATE DELIVERY

EXTRA STRONG PLANTS from 2½ inch pots	$50.00 per 100 $30.00 per 60 $9.00 per Dozen

BOSTON FERNS Any size and quantity ready for June delivery.

JARDINIERE FERNS $4.00 per 100; $35.00 per 1000.

COLEUS Verschaffeltii and Golden Bedder, from 2¼ inch pots, $2.25 per 100; $20.00 per 1000.

ENGLISH IVIES Strong bushy plants, $12.00 per 100.

CANNAS 100,000 plants in 25 of the best varieties, at very low prices. Write for price list.

KENTIAS Belmoreana and Forsteriana, extra strong plants in 4 in. pots, $25.00 and $35.00 per 100.

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Telephone 1207 Williamsburg

CLASSIFIED ADVERTISEMENTS

SITUATIONS WANTED

GREENHOUSE man, single, 30, sober and willing to work, wishes situation. Please state wages when writing. Address G. K., 53 South 4th St., Brooklyn, N. Y.

POSITION WANTED, in or near Boston, by an expert carnation grower and salesman, good wages expected. Apply X. care F. J. Norton, 61 Mass. Ave., Boston, Mass.

SITUATION wanted by experienced manager and propagator of all kinds of greenhouse and nursery stock outdoors and under glass. Used to handling large force of help; A-1 references. Address S. B., care Florists' Exchange.

SITUATION wanted, as working foreman, by first-class rose grower on a place where roses are grown as a specialty. Only first-class place wanted; No. 1 references. Address S. C., care Florists' Exchange.

GARDENER and florist, middle-aged, wants position. Thoroughly experienced in all branches, including propagating roses, carnations, etc. and growing orchids, fruits and vegetables. A-1 references. Address S. D., Florists' Exchange.

SITUATION wanted as foreman in commercial or private place, life experience in growing roses, carnations, chrysanthemums, palms, etc. Best references. Married. Address Ch. Gardner, 201 Belmont Ave., Newark, N. J.

WANTED, a position with florist, by young man, 22, some experience in general greenhouse work and grape culture under glass. Honest, industrious, and sober. State wages with board and room. F. H. Grigg, Portsmouth, Va.

SITUATION wanted as working foreman; good grower and propagator; understands palms, ericas, carnations, chrysanthemums, asters, bedding and bulb stock; capable of taking full charge. Handy with tools, sober and industrious. Address stating wages, R. A., care Florists' Exchange.

HELP WANTED

MAN WANTED—One who has some experience in growing carnations, good position; single man preferred. $25.00 month and board year round. Write at once. Michigan Cut Flower Exchange, Detroit, Mich.

HELP WANTED

WANTED, single young man with some experience in greenhouse work. Must be of good habits, healthy, and willing worker. Wages $20 per month, with room and board. Address Q. H., care Florists' Exchange.

WANTED, first-class assistant for 12,000 feet of glass; must have some knowledge of growing roses, carnations, chrysanthemums, and violets; must come at once; $20 to $25 and board to right man. Paul E. Liebsch, Batavia, N. Y.

BUSINESS OPPORTUNITIES

FOR SALE, well-paying florist establishment at Grandview-on-Hudson, N. Y. Three greenhouses 20x130; seven acres land; nine-room residence; everything in fine condition. Address S. F., care Florists' Exchange.

FOR SALE in western Massachusetts, three greenhouse plants, with hot-bed, potting house, large barns, sufficient land and fine site for residence. Anything in greenhouse products, flowers, or vegetables sells quick locally. Ill health compels sacrifice. Terms easy. Address S. E., care Florists' Exchange.

PARTNER—The writer wishes to correspond with energetic young man to start a retail catalogue business, to grow and sell seeds, plants, bulbs and nursery stock. Some capital required; A-1 references, and some knowledge of office work. Address S. A., care Florists' Exchange.

FLORIST BUSINESS FOR SALE—Established over 30 years in the best location on Massachusetts Ave., North Cambridge, Mass. Well stocked with plants, etc., doing a good business. Selling on account of death of the owner. Apply to Mrs. W. A. Bock, 2388 Massachusetts Ave., North Cambridge, Mass.

FOR SALE OR RENT—Fine place; about 26,000 square feet of glass; heated by 80-H. P. tubular boiler (steam). Owner not a florist; engaged in other business. Or will sell half interest to a first-class up-to-date grower. Good retail store. Brookside Greenhouses, 104 S. 5th St., Reading, Pa.

FOR SALE OR TO RENT—Greenhouse plant of 10,250 feet of glass with one acre of land; glass 10 x 14, set 14 way; heated by hot water; everything in good shape. Houses fit for carnations, violets, chrysanthemums, roses and general stock. At Bennington, Vt. A good stand and small competition. Will be sold cheap. Owner has other business. Full particulars of W. G. Richardson, 18 Main St., Somerville, Mass.

BUSINESS OPPORTUNITIES

FOR SALE—Greenhouses at Plainfield, Rutherford and Secaucus, N. J.; building lots suitable for greenhouses at Waverly, Orange and Kingsland, N. J. Address Henry Berg, Orange, N. J.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR RENT—$15 per month, small commercial place outside Philadelphia; suitable for jobbing trade. Address R. D., care Florists' Exchange.

LARGE greenhouses, well stocked, doing good business, house and ten acres of land, in large city in northern Ohio. Address L. L., care Florists' Exchange.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant consisting of eight greenhouses, ranging in size from 12x100 to 30x130, also work shed and modern up-to-date office and store room attached. For particulars address

S. S. SKIDELSKY,

708 No. 16th St., Philadelphia.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED—500 plants of Gardenia Florida. John Scott, Keap St. Greenhouses, Brooklyn, N. Y.

WANTED to rent, near New York or Newark, N. J., 8,000 feet of glass in good condition. Address R. J., care Florists' Exchange.

WANTED, at once, a good all-around man on a commercial place. Address Daly Bros., New Durham, N. J., or take Hackensack trolley from Hoboken ferries to the door.

WANTED to lease, plant with ten thousand to fifteen thousand feet of glass; within fifty miles of New York city preferred. Must be in good condition. Send full particulars to Arthur Taylor, Box 307, Boonton, N. J.

MISCELLANEOUS

WHO WANTS from five to ten thousand sweet pea blooms daily for the next twenty days? I have them in all the colors common to sweet peas. J. W. Goree, Whitewright, Tex.

FOR SALE—New greenhouse material as follows: New 2-in. Black Pipe, long lengths, 10 cts. per ft., 6 x 8, 50 ft. boxes, American glass, single, $2.25 per box; 6 x 8, 50 ft. boxes, American glass, double, $2.70 box; 6 x 8, 100 ft. boxes, French glass, single, $4.00 box; 12 x 14, 16 x 18, 14 x 14, 50 ft. boxes, American glass, double, $3.60 box; 12 x 12, 10 x 14, 50 ft. boxes, American glass, single, $2.40 box. Clear Gulf Cypress Greenhouse Material and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

WE OFFER For Spot Cash With Order:

1 Ericsson engine, No. 5, $45.00; 1 Ericsson engine, No. 6, $55.00; 1 Ericsson engine, No. 8, $80.00; 1 Rider engine, No. 4, $45.00; 1 Rider engine, No. 5, $65.00; 1 Rider engine No. 8, $135.00. Above engines are all complete, ready to connect well pipe; 2 Hitchings boilers, No. 16, good working order, $50.00; 1 Smith & Baker boiler, 7 sections, will heat 4000 sq. ft. of glass, $55.00. New rubber hose, guaranteed one year, for 125 lbs. pressure, 7½c. per ft.; second-hand ¾ in. pipe, 3c. per ft.; 1 in., 3¼c. per ft., 1¼ in., 4½c. per ft.; 1½ in., 5c. per ft.; 2 in., 7½c. per ft. Write for prices on glass, tools and lumber.

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GREENHOUSE FUMIGATING POWDER

is the newest and best article on the market to day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:

1 lb. Tin Can	$0.25	25 lb. Sealed Box	$4.50
5 " "	1.00	100 " " "	16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.

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Early Jersey Wakefield, ready to plant out $1.25 per 1000; 5000 for $5.00.

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WELL ROOTED CUTTINGS

In following varieties. Stock guaranteed o money refunded. $12.00 per 1000.

Eaton, Nevins, White Queen, Yellow Queen, Silver Cloud, Ma Queen, Bonnaffon, Golden Gate J. W. Childs, Golden Trophy Mrs. Perrin, Morrell, Pacific, Mau Dean.

Plants from 2 in. pots, $20.00 per 1000.

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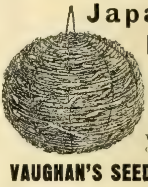

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5-inch and 7 9-inch Sizes.

Write for pric on quantities.

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PANSIES. From my best strain. Fine plan 50c. per 100; $3.00 per 1000.

DAISIES, (Bellis) in bloom, large, $1.00 per 1

ALYSSUM, Little Gem, 30c per 100; $2.50 per 10

PHLOX, Compacta and Star, 40c. per 100. $3 per 1000.

VERBENAS, new mammoth, 40c. per 100; $3 per 1000.

FUCHSIAS, five kinds, 2½ in., large, $2.50 per 1

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FERTILIZEF

We manufacture a superior article for Potatoes, Ca bage, Celery, Corn, etc., body of same **Pure Bone**; te about 6 per cent. Ammonia, 7 to 8 per cent. Potash K. 166 pound bag, $3.25; ton, $36.00. A pure Bone Meal f greenhouse, lawns, fruit trees, etc.; tests 6 per ce Ammonia, 30 per cent. Bone Phosphate; 166 pound ba $3.00; ton, $32.50. Also have a practical Potato Speci tests 8 per cent. Potash, $30.00 ton. A dissolved Bo and Potash, tests 10 per cent. avail. Phos. Acid, 2 t per cent. Potash, $22.50 ton. A General Crop Fertiliz at $24.50. All delivered free, in ton lots, if cash acco panies order. **Jas. L. Reynolds Co., Mt. Vernon, N.**

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GEORGE RIPPERGER,

SHEEP MANURE

I have now on hand a large quantity of
A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

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BOSTON FLORIST LETTER CO.

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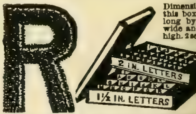

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2 inch size, per 100, $2.00.
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Fastener with each letter or word.

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Wholesale Grower

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Asparagus, Smilax, Sprengeri and Adiantum.

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nze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

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Bronze and Green
$1.00 per 1000.

ERNS FANCY, $1.50 per 1000.
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Heliotrope, 3 best vars., 3½ in. pots	5.00
Petunias, Dreer's Strain, 3½ in. pots	5.00
Vinca Vines, 3 in. pots	3.00
Large Flowering Single **Petunias,** 3 in pots	2.50
Nasturtiums, 3 in. pots	2.50
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20 varieties	$0.60	$5.00
C. Verschaffeltii and G. Bedder	.60	6.00
Heliotropes, dark	1.00	10.00
Salvias, Silverspot, Bedman, Splendens	1.00	
Fuchsias, 2 in. pots	2.00	
Giant Double Alyssum, 2 in. pots	1.50	
Ageratum, Pauline, Gurney, Cope's Pet	.60	5.00
Pansy Plants, bud and bloom	1.00	8.00
" small plants	.50	4.00
Alternanthera, A. Nana	.60	5.00
Ageratums, 2 in. pots, Gurney, P. P., C. P.	1.50	
Double Petunias, 2 in. pots	2.00	
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Funkia Variegata, strong clumps	10 00

Pansies, strong plants, fine strain, $2.50 per 100; $20.00 per 1000.

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Coleus, in variety, rooted cuttings	$0 60	$5 00
" " 2½ in. pots	2 00	18 00
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Fuchsias, in variety, rooted cuttings	1 00	9 00
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Sweet Alyssum, rooted cuttings	75	
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Petunias, double, 15 fine sorts, R. C., $1.00 per 100.
Coleus, G. Bedder, Verschaffeltii, 10 bedders, R. C., 60 cts. per 100.
Asparagus Plumosus, 2 in., 3 cts.
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Stevia Serrata, R. C., 75 cts. per 100.
Alyssum, Double, 2 in., 2 cts.
Umbrella Plants, nice short, 2 in., at $1.50 per 100.
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Rooted cuttings from cool-grown stock of the following varieties:

WHITE—Kalb, Polly Rose, Ivory, J. H. Troy, Robinson, Jerome Jones.

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Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

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Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12. per 1000.

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GLADIOLUS.—While the cut flowers of gladiolus can be bought cheaply, in their season, from the large growers, it is always advisable for a florist to have a good-sized plantation of his own, provided space is available. If the land is in good workable condition, a batch of corms ought to be planted at once; but if heavy rains have left the soil cold and wet, planting had better be deferred until such time as the soil gets into a friable condition, for there is nothing gained by putting gladiolus into the ground too early.

TUBEROSES.—A planting of these bulbs should also be made about this time. Place them eight or ten inches apart in the row, as they do not do so well if too crowded. Part of the bulbs should be kept for a later planting so as to have a succession of flowers.

CYCLAMENS.—The young plants of cyclamen need to be kept growing right along; and if frames are available, the plants can be put there, where they will do just as well as if allowed to remain in the greenhouse, provided proper attention be given them. In the bottom of the frame, a bed of coal ashes, three or four inches in depth, should be placed, on which to stand the pots. As the weather becomes warmer, some shade will be necessary to the plants, and a common grade of cheese-cloth, tacked to thin strips of wood, and laid across the frame in place of the sash, answers the purpose very well. Of course, the shading should only be given when the sun is shining brightly, and must be taken off every afternoon. Until the nights get quite warm, the sash will need to be kept on the frames every night. They should also be kept on whenever there is any rainy weather.

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Beautiful plants, 3-inch, $20.00 per hundred, now ready.

2,000 Boston Ferns, now ready, cut from bench, $25.00 per 100.
Kentias, very fine, $50.00, $75.00, $100.00 per 100.
Red Ribbed Rubbers, 2 ft., $6.00 per doz.
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100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.
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Good strong stock, just right for planting out, 2¼ in., at $4.00 per 100; 3 in., $8.00 per 10; 3½ in., $9.00 per 100; 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 100 6-in. pans, strong, healthy plants. Write for price.

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Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

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Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Sprengeri, 3 in., $5.00 per 100.
Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, Bonnot, Frances Perkins, 2 in., $2.00 per 100; 3 in. pots, $5.00 per 100.
Gladiolus Bulbs, good mixture 50c. per 100.
Pansies, ready to bloom, $1.00 per 100.
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Fine plants, out of 4 in., pots	$10 00 per 100
" " " 5 " "	20 00 " "
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Pansy, fine plants, Roemer's strain, in bloom	20 00 " 1000

For growing on: **Hydrangeas,** 4 in., nice plants, $6.00 per 100; Rooted Cuttings, $2.00 per 100. **Genista,** dwarf, fine plants, out of 2½ in. pots, $4.00 per 100. **Begonia semper florens,** 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

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10 to 15 leaves, $1.00 each; 15 to 20 leaves, $ each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-gr clumps, $5.00 pe

Asparagus Sprengerii, seedlings from flats, per 100 postpaid; pl from 3-inch pots, good stuff, $1.75 per 100, f.o.

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In. pots	Ins. high	Plants in pot.		Each	Doz.	100
5	30	3 to 4	Fine plants...	$0 50	$5 00	$40 00
6	30 to 34	3 to 4	" "	75	8 00	65 00
6	36	3 to 4	" "	1 00	11 00	90 00
7	40	3 to 4	" "	1 50	17 50	125 00
7	40	3 to 4	Extra strong	1 75	20 00	
			Extra fine	2 00	22 50	
			Extra strong	2 50	27 50	

KENTIA BELMOREANA.

In. pots	Ins. high	No. leaves	Each	Doz.	100
5	24	6 to 7	$0 60	$6 50	$55 00
5	24	6 to 7	0 65	7 50	60 00
6	24 to 28	6 to 7	1 10	12 00	95 00
6	26 to 30	6 to 7	1 15	13 00	110 00
6	38 to 38	6 to 7	1 50	17 00	
7	38	7 to 8	2 00	22 50	
7	38 to 40	7 to 8	2 25	24 00	
7	40	7 to 8. Selected plants	2 50	27 50	

KENTIA FORSTERIANA.

	Each	Doz.	100
5 in. pots, 24 in. high, 5 to 6 leaves	$0 50	$5 50	$40 00
5 " 30 " "	0 85	9 00	70 00
6 " 38 " "	1 20	13 50	110 00
7 " 40 " "	1 75	20 00	
7 " 40 to 45 " "	2 00	22 50	

BUSH KENTIAS.

3 and 4 plants in a pot grown and established together.

In. pots	In. high		Each	Doz.	100
5	18	3 to 4 plants in pot	$0 65	$6 50	$50 00
5	20 to 24	3 to 4 plants in pot	0 75	8 00	67 50
6	36	3 to 4 plants in pot	2 50	22 00	

KENTIA WENDLANDII.

In. pots	In. high		Each	Doz.
5	20 to 24	5 leaves	$0 50	$5 00
5	15 to 18	4 to 5 leaves	0 35	4 00

DRACÆNA INDIVISA.

	Each	Doz.	100
4 in pots, 12 to 15 in. high	$0 16	$2 00	$12 50

DRACÆNA FRAGRANS.

In. pots	In. high		Each.	Doz.
5	12 to 15	Fine thrifty stock	$0 50	$5 00
6	18 to 20	" "	0 75	8 00
7	20 to 14	" "	1 00	11 00

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In. pots		Each.	Doz.
5	Fine plants for growing on	$0 75	$8 00
5	Fine plants—fine color	1 00	11 00

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	Each	Doz.
6 in. pots, fine healthy plants	$0 50	$5 50
7 " " " "	75	8 00
7 " extra fine and strong	1 00	11 00

CROTONS in the Finest Varieties.

	Each	Doz.	100
4 in. pots, in good condition	$0 25	$2 75	$20 00

GARDENIA VEITCHII.
True Winter-Flowering Variety.

	Each	Doz.	100
5 in. pots, fine stocky plants	$0 75	$8 00	
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CANNAS.
Of all the Leading Varieties.

	Doz.	100
4 in. pots, strong, well-established plants	$1 25	$9 00

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From 4 in. pots, well-established plants, consisting of all the newest varieties of Cactus, Decorative, Fancy, Show and Pompon	1 00	7 50

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The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedd purposes; it contrasts so beautifully with the crimson varieties, and gro so even in beds. It has ample bright green foliage; the flowers have f form, the spikes are large, entirely erect and are borne just the right dista above the foliage.

Potted Plants, 75c. each, $7.50 per doz., $50.00 per 100.

Send for List and Prices of 50 other leading varieties of Cannas.

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Flowers larger, more double, do not fade white, more durable, brighter co not subject to mildew as Crimson Rambler is. 2¼ in.

$1.50 per doz., $10.00 per 100, $80.00 per 1000.

THE CONARD & JONES CO., WEST GROVE, P

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ve just now some very nice **Ferns** in good , nice bushy stock, and a good variety, 2¼ 3.00 per 100, $25.00 per 1000.
liotrope, Ageratum and Salvia. 2¼ in., per 100.
acena Indivisa, strong plants, 6 in., 3 e. each. **German Ivy,** 2¼ in., $2.00 per 100 $6.00 per 100.

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RNS OUR SPECIALTY

have a fine lot of **Jardiniere Ferns** in the best varieties, which we can offer you following low prices:

	Per 100	Per 1000
2¼ in. pots	$3.00	$25.00
3 "	6.00	50.00
4 "	10.00	90.00

250 at 1000 rate.

ntum Cuneatum, well-grown stock, very shy:

	Per 100	Per 1000
. pots	$3.50	$30.00
"	11.00	100.00
"	20.00	

ntum Gracillimum, 2¼ in. pots, $2.50 100.
Spores, gathered from our own stock, per trade pkt., 10 pkts. for $2.50.

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FERNS.

varieties for dishes, etc., 2½ and 3 in., $3.00 er 100.
GAINVILLEA, 4 and 5 in., $2.50 per doz.
'S ELASTICA, 5 and 6 in., fine, $4.00 to 3.00 per doz.
ONIA, Erfordii and Dew Drop, in bloom, in., $2.50 per 100.
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HERICUM, variegated, 3 in., $3.00 per 100
ELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

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rns, 4 in. assorted, $1.75 per doz.; $12.50 per 2½ in. assorted, fine stock, $3.00 per 100.
tania Borbonica. Reduced Prices. 3-in $8.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. $40.00 per 100; $5.00 per doz.; from 8-in. pots arger, $2.50 each and upward, according to size.
entia Forsteriana and **Belmoreana,** from n. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per ; from 7-in. pots and upward, at $1.75 to $35.00
eca Lutescens, 4-in. pots, $20.00 per 100; 5-in. $40.00 per 100: $6.00 per doz.. Fine stock of r plants, from $1.50 upward.
aucaria Excelsa, from 50c. upward. Fine ts.
aucaria Compacta, from $1.00 upward. plants.
œnix Reclinata, 4 in. pots, at $20.00 per 100; pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, per doz. Larger plants from $1.00 upward.
œnix Canariensis, fine specimens, from to $35.00 each. L. D. Telephone 872a.

N BADER, Troy Hill, Allegheny City, Pa.
tion the Florists' Exchange when writing.

Fertilizers Under Glass.

I have tried wood ashes in potting soil, using from 50 to 75 pounds of the ashes to a ton of soil, but did not get results that were satisfactory, and could do much better with soot from soft coal, though used in smaller proportions than the wood ashes, says W. H. Taplin, of Holmesburg, Pa., in Rural New Yorker. The latter is a valuable manure for various soft-wooded plants, and is quick in its action, but should be used in quite moderate proportions until one finds out something about the needs of the soil by prolonged experiment.

I have also used Peruvian guano, sheep dung, "Brazilian Plant Food," poudrette, nitrate of soda, horn shavings, bone meal, and other fertilizers, and after many years of experiment it seems that for foliage plants in general, and for palms in particular, the best fertilizer to use is one that contains a liberal percentage of phosphoric acid, say from 10 to 12 per cent., and with this about two to four per cent. of ammonia and potash respectively. In other words, use a good bone phosphate, and re-enforce the phosphoric acid part of it with some good bone meal or bone dust, the latter being of much more value when made from unboiled bones than it is after the fertilizer man has kindly boiled out all the fat because he thinks it might be detrimental to vegetation. Of this good bone phosphate I prefer to use from 16 to 20 pounds to a ton of soil, and with it the same weight of bone meal, these fertilizers being mixed in the soil at the time of using, and not in the compost heap outdoors. The compost heap in question is stacked up some months previously, and is composed preferably of sod and top soil from an old pasture mixed with good stable manure in the proportion of one load of manure to six loads of soil. The stable manure for this purpose should be a mixture of short and well-rotted horse and cow manure in equal proportions. It would perhaps be unwise to say that these proportions of the various fertilizers mentioned would be correct to use in all cases, for I think one has to find out the needs of his particular soil, and it is well to "make haste slowly," especially when the welfare of a houseful of valuable plants is at stake; but with the rather heavy, clayey soil that predominates in this vicinity, I have had good results from such practice.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.
Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.
Rubber Plants, 6 in. pots, 2 ft. high, $5.00 to $6.00 per doz.
Branch Rubbers, 2 to 5 branches, 12 to 15 in. high, $5.00 to $7.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.
Mention the Florists' Exchange when writing.

PECIAL OFFER OF ORCHIDS

Being short of room, we wish to dispose immediately of a fine lot of **CYPRIPEDIUM LLOSUM,** consisting of 36 plants in 6 inch pots, with 15 to 20 growths or more to the plant. ry plant a specimen. Profitable for cut flowers

PRICE FOR THE LOT, $100.00, CASH.

AGER & HURRELL. Orchid Growers and Importers. **Summit, N. J.**
Mention the Florists' Exchange when writing.

KENTIA BELMOREANA.

2¼ in. pots, strong plants . . . . $6.00 per 100; $50.00 per 1000
3 in pots . . . . 12.00 " " 100.00 " "

ASPARAGUS PLUMOSUS
Strong seedlings from flats, $2.00 a 100

CANNAS (All Standard Varieties)
$2.00 per 100. $15.00 per 1000

EVERBLOOMING ROSES, from 2¼ in. pots, $20.00 per 1000.
COLEUS, leading varieties, $2.50 per 100.
FUCHSIAS, best market sorts, $3.00 per 100.
HYDRANGEA Otaksa and Hortensis, $3.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.
Mention the Florists' Exchange when writing.

SIDE view in one of our half-acre plant houses. About 2 acres solid, of good stuff, which we will be pleased to furnish **YOU** at reasonable prices. We make a special study of packing and ship cheaply by express, using lightest material. Plants sent by mail for 20 per cent. extra. Large lots may travel by freight to direct points. Send for large illustrated catalogue, and remember we are introducers of rare plants from all over the world. Terms Cash. Packing Free.

Special Trade Offer from May till September.

PALMS

	Pots.	Per doz.	Per 100
Areca Alba	2½ in.	$1.00	$7.50
" **lutescens**	4 "	2.00	15.00
" " bushy	5 "	4.00	30.00
Chamædorea latifolia	3 "	1.50	10.00
Cycas revoluta, 1-2 leaves	2½ "	1.25	10.00
" " 2-4 "	3 "	1.50	12.00
Euterpe stenophylla	3 "	2.50	20.00
Latania Borbonica	2 "	50	3.50
" "	3 "	75	6.00
" "	4 "	1.50	11.00
" "	5 "	2.50	20.00
Oreodoxa regia	4 "	2.00	15.00
Phœnix Canariensis	3½ "	1.50	10.00
" **Leonensis**	7 "	6.00	45.00
" **Pusilla**	4 "	2.00	15.00
" **reclinata**	2 "	50	3.50
" "	3 "	75	5.00
" "	4 "	1.00	8.00
" "	5 "	2.25	18.00
" "	6 "	3.50	28.00
" "	7 "	6.00	45.00
" **rupicola**	2 "	75	6.00
" "	5 "	2.50	20.00
Ptychosperma Macarthuriæ (Kentia Macarthuriæ)	3 "	1.50	10.00
Ptychosperma Macarthuriæ (Kentia Macarthuriæ)	5 "	5.00	35.00
Sabal Palmetto	3½ "	2.00	15.00
" **umbraculifera**	3 "	1.75	12.00
Seaforthia elegans	3 "	1.00	7.00
" "	4 "	2.00	15.00
" "	5 "	3.50	28.00
Thrinax Barbadensis	2½ "	1.50	12.00

FERNS

Alsophila australis, specimens in 7 in. pots, 60 cts. each.
Adiantum fulvum, 2½ in. pots, 60 cts. per doz.; $4.00 per 100.
Adiantum lunulatum, 2½ in. pots, 75 cts. per doz.; $5.00 per 100.
Adiantum pubescens, 5 in. pots, $2.50 per doz.; $20.00 per 100.
Adiantum hybridum (new), 5 in. pots, 35c. each.
Blechnum braziliensis, specimens, in 6 in. pots, at 50 cts. each.
Blechnum occidentale, from beds, 3 cts. to 8 cts. each.
Lomaria gibba, 3 in. pots, $1.00 per doz.; $7.00 per 100.
Lygodium scandens, seedlings, $1.50 per 100. 3 in. pots, 75 cts. per doz.; $5.00 per 100.
Nephrolepis Bostoniensis, from beds, 3 cts. to 8 cts. each.
Nephrolepis davallioides furcans, from beds, 6 cts. to 20 cts. each.
Nephrolepis cordifolia, from beds, 3 cts. to 8 cts. each.
Nephrolepis cordata compacta, 5 cts. each.
Nephrolepis pectinata (dwarf), from beds, 3 cts. each.
Nephrodium hirtipes, 3 in. pots, 75 cts. per doz.; $6.00 per 100.
Onychium japonicum, 2½ in. pots, 50 cts. per doz.; $4.00 per 100.
Pteris adiantoides, 2½ in. pots, 50 cts. per doz.; $4.00 per 100.
Pteris tremula, 4 in. pots, $1.00 per doz.; $7.00 per 100.
Selaginella cuspidata, from beds, 4 cts. each.
Selaginella hematodes, from beds, 6 cts. each.

MISCELLANEOUS

Decorative and Useful.

	Pots.	Per doz.
Aralia Guilfoylei	3 in.	$1.00
" **papyrifera**	3 "	1.50
Amomum cardamomum	3 "	75
Asparagus Sprengeri	3 "	60
" "	4 "	1.00
" "	6 "	2.00
Bignonia Venusta	4 "	1.00
Cattley Guava, bushy (red)	3 "	75
" " " (yellow)	4 "	1.00
Chinese Cinnamon, bushy	4 "	1.00
Camphor, bushy	4 "	1.00
Cupressus torulosa, very ornamental conifer. 3 in. pots 75c. per doz.;	4 "	1.25
Cestrum diurnum	4 "	1.25
" **elegans**	3 "	75
" **nocturnum**	5 "	1.50
Dieffenbachia Bausei	3 "	1.50
" **Nobilis**	3 "	1.50
Grevillea robusta	3 "	50
Hydrangea—Thos. Hogg, Red Branched and Otaksa	2 "	40
Jasminum—Maid of Orleans, and Sambac, strong	3 "	75
Jasminum—Officinale, Simplicifolium, Gracillimum, and Humile	4 "	1.00
Mackaya bella	4 "	1.50
Meyenia erecta, blue	4 "	1.25
" **alba,** white	5 "	1.50
Mangifera Indica	3 "	1.50
Oleander. Single White, Madonna grandiflora, double Pink, and Carneum. 1 year old, strong	3 "	75
Panax plumatum	3 "	75
" **excelsum**	3 "	75
" **Victoriæ**	3 "	75
Pandanus utilis, strong	3 "	1.25
" " "	4 "	2.00
Pittosporum Tobira, bushy	3 "	75
Pinus Massoniana	2 "	40
" "	3 "	60
" "	4 "	1.00
Poinsettia, strong, $3.00 per 100	2 "	50
Solanum jasminoides	3 "	50
" **Seaforthianum**	3 "	60
" **Wendlandii**	3 "	60
Swietenia mahagoni	4 "	1.50
Tamarindus indica	4 "	1.50
Tecoma capensis	4 "	1.25
" **jasminoides**	3 "	75

Bedding Plants

Alocasia illustris, open ground, per doz., 50 cts.; per 100, $3.50.
Alocasia Marshalli, open ground, per doz., 50 cts., per 100, $3.00.
Acalypha Marginata, 4 in. pots, $1.50 per doz. (bushy.)
Acalypha Miltoniana, 4 in. pots, $1.50 per doz. (bushy.)
Acalypha Musaica, 3 in. pots, 75 cts. per doz.
Acalypha tricolor, 3 in. pots, 75 cts. per doz.
Acalypha Sanderi, 3 in. pots, $1.00 per doz.
Allamanda Hendersoni, 5 in. pots, $2.00 per doz. bushy.
Allamanda nerilfolia, 5 in. pots, $2.00 per doz. bushy.
Allamanda Williamsii, 5 in. pots, $2.50 per doz. bushy.
Cæsalpinia pulcherrima, 3 in. pots, $1.50 per doz. novelty.
Cæsalpinia regia, 3 in. pots, $1.50 per doz. novelty.
Crotons, very fine assortment, 20 best varieties, 2½ in. pots, 75 cts. per doz.; $5.00 per 100. 3 in. pots, $1.00 per doz.; $8.00 per 100.
Phyllanthus rosea-pictus, 4 in. pots, $1.50 per doz., $12.00 per 100.

REASONER BROS. ROYAL-PALM NURSERIES, ONECO, FLORIDA.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

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A New Edition of "Violet Culture."

The great demand for "Commercial Violet Culture," written by Professor Galloway, Chief of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., has exhausted the first edition of this work. A second edition, revised and enlarged, is well under way, and will be published shortly. Price, $1.50 postpaid. Orders booked now by The Florists' Exchange.

Trade Unionism Among Florists.

In the April 23 issue of The Florists' Review, William Scott presents his views very clearly and forcibly on the subject of trade unionism among florists and gardeners. Mr. Scott deals with the matter mainly from the standpoint of the employer; and what he says in relation to the caliber of the workmen who advance, and those who remain stationary, cannot be questioned. These remarks, however, hold true in any line of business, or any profession, but that is not the main point.

Combination is the trend of the day in almost every branch of trade—except the florists' (employers). The object is the betterment of conditions, individually and collectively. The same rule will apply in the case of the workmen in greenhouses. They organize and co-operate to advance their individual and mutual interests—and can they be blamed for so doing?

It is an acknowledged fact that the low wages paid the skilled greenhouse operative, combined with the long hours of labor, Sunday duty, etc., have been advanced by those in a position to know as the principal reasons why the average American boy shuns the florist's as a profession. The consequence is, the unsatisfactory condition of the help market which has existed in this business for years.

So long ago as 1894 President Anthony advocated the institution of an examining board by the S. A. F., having in view the improvement of greenhouse help. His idea was for the Society to grant certificates of proficiency along certain lines, after examination. The subject was debated pro and con, but finally dropped. Evidently it was considered inoperative.

The greenhouse workers apparently are now desirous of elevating their calling in every respect, doing themselves what the employing florist refused, or at least delayed, to do. This we gather from the Constitution and By-Laws of the "Gardeners and Florists' Union of Chicago," Section 2 of Article I. of which reads as under:

"The object of this union shall be to advance the mutual interests of its members, to further the spirit of unionism, to regulate the price of services, and to enforce fair and equitable dealing between its members."

In reference to the eligibility of those desiring to join the union it is set forth in Sec. 1 of Art. II.: "Any competent gardener or florist of good moral character, not under the age of 20 years, may be eligible to membership in this Local.

"Section 2. Each person, before being admitted to membership, shall pay an entrance fee and pass an examination, and shall after admission pay such dues," etc.

It is further stated that the Examination Committee shall consist of nine members, five of whom shall be sufficient to examine candidates, etc.

The good or evil resulting from a union of this character will arise on the one hand, from the full, and on the other from the incomplete, carrying out of the letter and spirit of the constitution. If only "competent" gardeners or florists of good moral character are admitted, the outcome must inure to the mutual welfare of employer and employee.

Mr. Scott is wrong, however, when he asserts that "a labor union among the men in greenhouses is absurd and cannot possibly exist." Such a union has existed for several years in New York City among the greenhouse men employed in the Park Department. Others exist in San Francisco and Chicago. They may or may not be "discontented or incompetent" men who belong to such unions; nevertheless, they exist, notwithstanding their alleged absurdity.

The same writer also fails to grasp the true intent of unions, as regards wages. These unions only set a minimum wage. They do not prevent men who merit it being remunerated beyond the scale; so that the qualifications of "ability, character and faithfulness" are equally necessary with the union as without it, in order that a man may advance and be compensated at his true worth. On the other hand, no employer need retain an incompetent workman—should any such pass the gardeners' union—longer than his deficiencies disclose themselves; no more than he does now, with no union in operation.

Employers, such as described by Mr. Scott, who engage men who "do not even know the plants by name or their requirements," etc., pay them accordingly, and suffer by the transaction, certainly are not deserving of a great deal of sympathy.

We do not object so much to the formation of unions among greenhouse men from the standpoint of bettering themselves and elevating their calling. We shudder, though, to think of the awful consequences that would follow a strike, direct or sympathetic, among such union gardeners. Strikes are the baneful outgrowths of unionism; but, happily, ways and means are developing to counteract them and their direful consequences, in the form of courts and committees of arbitration.

However, the florist and gardening trades are confronted with a condition, not a theory, as regards unionism among their operatives. To offset it, the greatest consideration, both as to wages and hours of labor must obtain. The skilled workman must receive remuneration compatible with his services. The condition calling for "graft" must be eliminated. The vocation must be put on a level with others requiring the same exactions as to education, skill, and ability, so as to induce our young men to enter it, thus tending to its greater elevation and improved help equipment. And to accomplish this end, one desired means will be—greater co-operation among employers, less of the cut-throat methods of doing business, the regulation of prices for the products of the trade that will permit of a fair margin of profit to the owner and an equally fair living for those who help him.

The cheap man will always produce cheap stock, that must necessarily sell at a cheap figure; conversely, the well-paid, competent workman will create reverse conditions. If the unions among gardeners would stop at furnishing the latter, no one would object to their formation and existence.

As we stated a year ago, we have doubts of this effort of labor unionism in this trade making much headway, owing to the limited number of really skilled workmen among greenhouse operatives that would be eligible to join it, and the difficulty of organization on account of the greatly segregated condition of the employees. Still, it is well not to overlook the fact that the leaven is working, and that a factor in the business that must be reckoned with has been instituted.

Taxation of Cemeteries.

A rather unusual question arose in Judge Pond's court in a real estate tax case, in which the Lakewood Cemetery Association resisted the payment of taxes on a portion of its holdings, because the law exempts associations of that kind, says the Minneapolis Tribune.

Assistant County Attorney Smith showed that a large portion of the land owned by the association was wild land for future use, but not yet in use or likely to be for some time as a cemetery. Another large block was occupied by the Lakewood greenhouses, and he showed by the defendant's admissions that only a portion of the flowers and plants were used for decorating the cemetery, the largest amount being sold to lot owners and the general public for profit.

Mr. Smith argued that it was an injustice to let this association escape taxes while other greenhouses adjoining and near were taxed heavily, and the Lakewood plant competed with the others.

Judge Fish, for the defense, argued that the association was a public one, that the property was public property, that all the profits went into a fund which will some time be $1,000,000, and then the income from that only is to be used in keeping up the cemetery for all time. Judge Pond took the matter under advisement.

Obituary

Ethelbert Johnson.

Ethelbert Johnson, secretary ar treasurer of the Johnson & Musser Se Co., Los Angeles, Cal., died at h home, 1006 Burlington avenue, in th city, on April 17. His death came a shock to his friends, who were ignorance of the serious trend his il ness had assumed. Mr. Johnson w the son of Charles Johnson, also the same firm, and was born in Ch cago, July 3, 1871, and consequent was in his thirty-first year. H parents removed to Philadelphia wh he was two years old. In that city was educated, graduated as Mast of Arts, becoming Professor of Engl Literature in a Philadelphia colle Ill health necessitated his resignati and arriving in California in 1892, established the seed firm of E. & Johnson at Riverside, which was fina merged into the firm of Edwards Johnson at Los Angeles, and latte into the present existing firm of Joh son & Musser Seed Co.

Mr. Johnson was an ardent stude in sociological and religious questio and he possessed literary ability of high order, to which his numero contributions to the press in prose a verse have testified. His death at youthful age is of extreme sorrow his many friends. He leaves a wid son and daughter, and both parents.

John Buchi.

John Buchi, florist, Salina, Kan., d at his home April 13, of apoplexy, the age of 60 years and six mont He leaves a widow and one daught Lillian. Buchi was born in Switz land, and came to America 38 ye ago. He lived in Pittsburg for 13 ye where he was married, his wife hav come from his native place in Switz land to the United States to join h He came from Pittsburg to Salina years ago and had lived at the ho on East Iron avenue ever since, wh he has been engaged in the florist bu ness, assisted by his wife.

Henry Bird.

Henry Bird, who for the past fo years has conducted a florist and nu ery business in Newark, N. J., d April 30 at his home, 144 Bellev avenue, that city, after a brief illn from heart trouble. He was 65 ye old. A widow and three children s vive him.

M. A. Magee.

M. A. Magee, a florist of Chels Mass., died on April 25, aged 40 yea

In standing beside the open grave a friend one thought often occurs me in later years, and that is: W does the world owe this man and h much of the debt has he collect The world owes to every man a livi providing he has the industry and termination to collect it. The wo owes to every man more pleasure th pain; more good than bad; more g than loss; more happiness than sorro more success than failure; more l than hate; more friends than enemi but it rests with the man hims whether he collects that debt, for world holds fast to the good thi which it possesses and lets free bad; and it is only by labor and ener only by determination and chara that the debt which the world owes every one is collected.—Chauncey Depew, in an eulogium of the late An J. Cummings.

Indianapolis, Ind.

News Jottings.

Tomlinson Hall business has be quite lately.

J. A. Haugh, of Anderson, was town Monday.

Florists are scurrying arou through the country driving "bargai with the farmers for crab and ap blossoms. These are favorites decorations. Dogwood blossoms also prime favorites.

I. E

NEW BOOKS.

IDE TO HARDY FRUITS AND RNAMENTALS. By T. J. Dwyer. p., 125; paper 50 cents. T. J. Dwyer Sons, Cornwall, N. Y.

hrough the courtesy of the author ave been favored with a copy of the ove-named work, and have read it h real pleasure. There are on the rket many works treating of the rdy fruits and ornamentals from ny points of view, but here is a new e that has a new point of view.

t might be called a "horticultural graphy" of the author, as it is filled th his personality. In it he does not ound the cast-iron theories, culled m encyclopedias and nursery catatues, which are usually the entire itents of the average horticultural uide," but instead gives to his read- the results of his thirty years of imacy with the trees and plants of ich he writes.

The book is most interestingly writ- n. One cannot read without being ed with the author's enthusiasm for e hardy flora. It scintillates with t and wisdom, and some good stories the author's experiences, the best ing his first introduction to the awberry.

wonder if Mr. Dwyer realized the tility of printing "best lists" of anying—fruits, flowers, books, or anyng, the acceptance of which depends as many tastes as there are read- s. In his lists of the most suitable uits and berries he will no doubt be tacked by every one—at least menlly—who reads the book. He is sure have left out some fruit, berry, or wer that the reader dotes on. I ve a grievance myself on this score. the list of best apples, the Rambo es not appear—that choicest of all— y lifetime favorite—the apple that is t-of-sight and ahead of all others for e eating qualities.

This guide should be in the hands of ery one interested in hardy fruits and ants. The old-timers will find some w wrinkles and the amateur will bibe new enthusiasm and will wish s fifty-foot square back yard was a rty-acre orchard, surrounded by a irty-foot hardy border!

The make-up of the book leaves uch to be desired. It is well and ar- stically bound, but the almost entire sence of a margin to the pages and e closely set, fine print detract from s appearance. These defects are prob- ly charged to the printer and can be medied in the next edition, which ill doubtless soon be called for. One ot knowing Mr. Dwyer would not ather from the book that he is the nior member of one of our largest ursery firms—there is not the suspi- on of an advertisement in the book. is simply a recital of the life-work a loving enthusiast among the hardy uits and ornamentals.

SAM. A. HAMILTON.

CORRESPONDENCE.

Ivory Soap as an Insecticide.

ditor Florists' Exchange:

In looking over some back numbers your paper I notice the mention of vory soap as an insecticide. I have o experience with it for red spider, ut as a general insecticide I have und it excellent and perfectly harm- ss to all plants. Messrs. Waters & icholson evidently used it too strong. ne cake to 12 gallons (possibly there re different sized cakes—I do not now) is a good strength and will kill ll the softer insects that it touches. ld hard scale insects do not always uccumb, but I have killed many of hem with it. If there is more than ne size of Ivory soap I am sure we ave the smaller size.

FRED RAFFERTY.

Santa Ana, Cal.

CHANGES IN BUSINESS.

NEWPORT, R. I.—T. Fieldhouse is now vith J. H. Bowditch at Topsfield, Mass.

HUDSON, N. H.—A. S. Andrews has one into the nursery business on a large cale here.

OGDENSBURG, N. Y.—Mrs. Thomas awrance has opened a florist's store on Ford street, in connection with her green- houses.

WORCESTER, MASS.—Fred G. Davis, of Worcester, Mass., and Walter Tappan, of Hamdon, Ont., will start in the florist business here. The latter gentleman was for some time assistant superintendent at the Dale Estate, Brampton, Ont., and is an expert rosarian. Roses and carnations will be specialties, and 100,000 square feet of glass will be devoted to their culture. The houses are nearing completion.

Contents.

PAGE
Books, New 509
Bowling 513
Briefs for Busy Florists.......... 506
Canadian News 513
Cemeteries, Taxation of.......... 508
Changes in Business.......... 509
Chrysanthemums 513
Correspondence 509
Electricity, Effect of on Plant Life 521
Fertilizers Under Glass.......... 507
Fire at an Experiment Station.......... 509
Firms Who Are Building.......... 509
Floral Casket Cover (Illus.).......... 511
Floral Clock at St. Louis Exposition 511
Hardy Plants, New or Little Known 510
Market, Review of the.......... 512
Nursery Department (Illus.).......... 501
OBITUARY:
  E. Johnson, John Buchl, Henry Bird, M. A. Magee.......... 508
Question Box 511
Seed Trade Report.......... 499
TRADE NOTES:
  Providence, R. I.......... 502
  Boston, Chicago, New York, Philadelphia 512
  Batavia, Buffalo, East Aurora, Utica 518
  Cincinnati, Cleveland, Lapeer, Mich., Louisville, St. Louis.......... 519
Trade Unionism Among Florists... 508
Wistaria Chinensis (Illus.).......510-511

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange, commencing with the issue of May 2, 1903, will publish voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

Wm. Herzog, Morris Plains, N. J.: I have 100,000 bedding plants ready, and can fill all orders promptly the day received. The stock I offer is first class, and ready for immediate planting. You will make no mistake in placing your orders with me.

John H. Jackson: Parties who are interested in the benefits of drainage and how to drain will find some valuable information in the little work published by me. Thousands of waste places have been reclaimed by my plans and famous tile. This book will be sent free of charge to all wishing it in the New England and Middle Atlantic States.

John Scott, Keap Street Greenhouses, Brooklyn N. Y., says: "I draw attention this week to my special offerings of cannas; these are in 25 of the leading varieties, and I have over 100,000 of them. Also Pierson fern for immediate delivery.

FIRMS WHO ARE BUILDING.

HENSALL, ONT.—W. H. Harburn will erect another greenhouse.

WALTHAM, MASS.—S. H. Gidley is building an extension to his greenhouse.

NYACK, N. Y.—Manley Ackerman is erecting two large violet houses.

SAGBROOK, ILL.—Mrs. Hattie Bailey is building an addition to her greenhouse.

NEWBURYPORT, MASS.—Pearson will build another greenhouse for carnations.

WARRENSBURG, N. Y.—S. E. Prosser is building a new greenhouse here.

SOUTH SUDBURY, MASS.—James E. Tulis is building another greenhouse for carnations.

ALGONA, IA.—H. A. Richardson & Co. are planning to build another greenhouse this season.

NATICK, MASS.—The Waban Rose Conservatories will erect another greenhouse, 700 x 40 feet. The contract will probably be awarded to the Lord & Burnham Company.

Fire at an Experiment Station.

Last week the New Jersey Agricultural College and Experiment Station suffered a severe loss by the total destruction of the contents of the building containing the chemical laboratory with apparatus and collections. This building also contained the office of the State chemist, State entomolgist and other departments whose valuable collections and notes can never be replaced. The loss of the building is estimated at about $50,000, but this is insignificant when compared with the great loss to science and agriculturists in general by the destruction of the valuable collections, libraries and notes of the various officers and investigators.

INDEX OF ADVERTISERS

Allen J K 517
Amling E C 519
Anderson & Christensen 507
Andorra Nurseries ..500
Aschmann G 506
Atlantic Coast Nurs.500
Austin B 502
Az P Loef & Co....502
Bader J 507
Baker W J 518
Barrows H H & Son.503
Bartram J H 515
Bassett & Washburn.515
Bayersdorfer H & Co 522
Beach Jas E 514
Beaulieu H 498
Benedict G H 503
Berckmans P J Co..502
Beckert W C 499
Berger H H & Co..499
Bernheimer E 518
Berning H G 519
Blaauw J & Co 500
Black C 500-02
Bloom J S 516
Blue Hills Nurs....502
Bobbink & Atkins .497
Bock W A 507
Bonnot Bros 517
Boston Letter Co....504
Bradshaw & Hartman 517
Brown Bros Co ...502
Brown E C & Co...520
Brown P 516
Burpee W A & Co..502
Byer Bros 505
Caldwell the Woodsman 505
Cal Carn Co 514
Canadian Advts 513
Carmody J D 522
Chicago Carn Co ...514
Chinnick W J ...502-05
Clucas & Boddington 497
Coldwell Lawn Mower Co 522
Conard & Jones Co 506-14
Connell B 516
Coolidge Bros 505
Cottage Gardens ...514
Cowee A 499
Cowee W J 520
Cowen's N Sons 521
Cox Seed Co 499
Craig R & Son....506
Crooke J J Co....516
Crowl Fern Co 505
Cunningham J H....503
Darling C T 514
Cut Flower Ex 517
Dailledouze Bros ...514
Davis A B & Son ...499
Deamud J B 519
Deming Co 520
De Witt P M 514
Dietsch A & Co ...522
Diller, Caskey & Co.520
Dillon J L 516
Dillon G'house Mfg.520
Dimmock A 506
Donnelly H 516
Dorner F & Sons Co.514
Dreer Hy A 520
Dumont & Co 518
Eichholz H 503
Eisele C 522
Eisele J G 507
Eisele W G 502
Elizabeth Nurs Co..499
Elliott W & Sons ..498
Elliott W H 497
Emmans Geo M ...506
Endtz Van Nes & Co.500
Farquhar R & J Co.502
Fellouris A J 505
Felthousen J E 505
F & F Nurseries ...500
Field H W 515
Fischer Paul 473
Florists' Hall Assn.521
Foley J 519
Foley Mfg Co 521
Foster L H 506
Frith C A V....498
Gammage & Son ...513
Garland G M....520
Ghormley W 517
Giblin & Co 520
Greene & Underhill .503
Gulick C P 516
Gullett W H & Sons 514
Gunther W H 517
Guttman A J 517
Haerens Bros 506
Hagenburgger C ...516
Hammond B 521
Hammond J A 517
Harris E 505
Heacock Jos 515
Herendeen Mfg Co .521
Herr A M 503
Herr D K 503
Hermann A 522
Herzog Wm S 503
Hews A H & Co. .520
Hicks & Crawbuck 517
Hill E G & Co...519
Hilfinger Bros 520
Hill Top G'houses 515
Hippard E 522
Hitchings & Co ..522
Holton & Hunkel Co.519
Hoopers Bro & Thomas 515
Horan J & Son....517
Hor'l Advertiser .. 520
Howe J H 505
Hughes G J 516
Hunt E H 504-19
Igoe Bros 515
Jackson J H 522
Jackson & Perkins Co 499
Jacobs S & Son 521
Jennings E B ...514-15
Jessamine Gardens..506
Johnson & Stokes ..499
Jones H T 500
Joosten C H 502-05
Kasting W F 518
Keir Wm 516
Kilbourne R 514
King Cons Co 502
Koster & Co 502
Kreshover L J 505
Kroeschell Bros Co..520
Kuhl Geo A 515
Lager & Hurrell 506-07
Landreth D & Sons.498
Lang J 517
Langjahr A H 517
La Roche 516
Lawritzen C 503
Lenker C 502
Limbach C 520
Little So Floral Co. 514
Livingston Seed Co.519
Lockland Lum Co....521
Lord & Burnham Co.521
Lovett J T 516
Mader P 505
Madsen & Christensen 503
Manhattan Supply Co 504
Mathews G P 505
Mauger W & Sons .499
McCarthy N F & Co.518
McFadden E C ...505
McKellar & Winterson 519
McManus J 517
Michell H F 499
Mich Cut Flower Exchange 502
Minor W L 514
Molatsch H A 505
Moninger J C Co.. 522
Monkhouse John ..502
Moon S C 502
Moon Wm H Co.. .500
Moore, Hentz & Nash 517
Mooris J W 505
Muno J 519
Myers & Samtman 515
Nash S C 514
Nat Board Trade. .505
National Plant Co. 515
Neff L I 504
Nelpp G F 505
N Y Cut Flower Co 517
Niessen L 518
Ouwerkerk P 502
Peacock W P 502
Pennock S S 518
Perkins J J 517
Phila Market 516
Pierce F O Co 520
Pierson F R Co ...497
Pierson Sefton Co.. 522
Pinehurst Nurseries.502
Pittsbg Cut Flow Co 518
Pitzonka G 515
Pollworth C C Co..519
Potter & Cousins ..515
Quaker City Mach Co 520
Rawlings E I 516
Rawson W W & Co 502
Rayner J I 517
Reasoner Bros 507
Reed & Keller 499
Reck & Son 505
Reid Ed 518
Reinberg George ...519
Reinberg Peter 515
Reynolds J L Co. ..504
[illegible] S J ...499
[illegible] 521
[illegible] 517
Ripperger Geo 504
Robinson H M & Co.505
[illegible] 505
[illegible] 515
Rolker [illegible] Sons 506
[illegible] 503
[illegible] W H 515
[illegible] 517
[illegible] & Son 506
[illegible] 504
[illegible] 516
Schmitz F W O 498
[illegible] 506
Scott J 506
Shellroad G'houses ..502
Shepherd [illegible] B Co 499
Sheridan W F 517
[illegible] J E & Son 514
Siebrecht & Son 500-06
Sinner Bros 519
Slinn B S Jr 517
Smith C 517
Smith Hy A 515
Smith N & Son ...503
Smith W & T Co 515
Springfield Floral Co 516
Stern J 505
Stearns A T Lum Co 520
Stoothoff H A Co.. 513
Storrs & Harrison Co 507
Stumpp & Walter Co 498
Sutherland G A ..518
Swayne W 514
Syracuse Pottery Co.520
Taylor L J 515
Thompson J D ..514
Thorburn J M & Co 498
Tiger M F 502
Tobacco W & T Co 520
Tevell J 506
Traendly & Schenck 517
Van der Meulen Th F 499
Van der Weyden & Co 506
Vanhorne, Griffin & Co 520
Vaughan's Sd Store 498-99-504
Vesey W J & M S..514
Vick's Jas Sons.... 499
Vincent R Jr & Son 500-03
Weber C S & Co 520
Weber H & Sons 505-14
Webster Bros 513
Weeber & Don 499
Welch Bros 518
Wenk P 505
Weston H 506
Whetstone & Co 520
Whilldin Pottery Co 520
Whitton & Sons ..515
Wietor Bros 519
Winterich C 516
Wood Bros 516
Young J 517
Young & Nugent . 517
Zimmer Chas 506

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ...503-07-14-22
Acalypha 503-07
Achillea 502-16
Achyranthes 516
Ageratum ...503-05-06-16-22
Allamanda 507-11
Alpine Plants 502
Alternanthera 503
Alyssum 503-05-16
Ampelopsis 497-502
Anthemis 505
Anthericum 507-22
Araucaria 507-14
Asparagus ...502-03-05-06-07-14-16-22
Aspidistra 516
Asters 499
Aucuba 497
Azaleas ...497-502-05-06
Bedding Plants...503-06
Begonias 498-503-05-06-07
Berberis 505
Bougainvillea 507
Bouvardia 522
Box 497-502-505
Bulbs (not named) 499-519
Caladium 497-98-99-502-03-16
Cannas ...497-99-500-02-03-05-06-14-16
Carex 514
Carnations ...503-06-14-15-16-22
Centaurea 503
Cestrum 507
Chrysanthemums 503-04-05-13-14-15-16
Cinerarias 503
Cinnamon Vine..498-503
Clematis 497-502-05-16-22
Cobaea 516-22
Coleus ..503-05-06-07-16
Conifers 502-05
Coreopsis 502
Crotons 506-07
Cuphea 503-05-16
Cut Flowers.516-17-18-19
Cycas 479-99
Cyclamen 505-16
Cyperus 503-05
Daffodils 499
Dahlias ..497-99-500-02-03-06
Daisies .497-502-15-16-22
Decorative Plants ..506
Delphinium 497-502
Deutzia 502
Dielytra 497-502
Digitalis 502
Dracaena 500-03-06-07-16
Ericas 506
Evergreens ..497-502-05
Fern Balls 497
Ferns ..505-06-07-13-16
Feverfew 516
Ficus 502-06-07
Fuchsias 503-05-07-15-16
Funkia 505
Gaillardia 502
Gardenia 497-502-06
Genista 506-14
Geraniums ..499-503-05-06-14-15-16
Gladioli 497-99-502-03-06
Gloxinias 502
[illegible] 503-05-06-07-16
Herbaceous Plants 497-502
Hollyhocks 497-516
Honeysuckle 513
Hyacinths 499
Hydrangeas 497-502-05-06-07-16
Ipomoea 506-16-22
Iris 502
Ivy ..503-05-06-15-16-22
Jasmine 507
Kalmias 497
[illegible] 502
Lantana 514-16-22
Lemons 502-16
Lilacs 502
Lilies 497-98-99-502-16
[illegible] 507-15-16-22
[illegible] 502
Madeira Vines 498
Magnolias 497
Maples 497-502
Manetti 516
Myosotis 516
Narcissus 499
Nasturtium 505
Nursery Stock ...500-02
Oleander 507
Orange 502
Orchids 506-07
Palms ...497-99-502-06-07-14-16
Pansy 497-503-04-05-06-14-15-16-22
Pardanthus 502
Pelargoniums 516
Peonies 502-05
Periwinkles 522
Petunia 503-05-15-16
Phlox 497-503
Poinsettia 503
Poppies 497
Primula 498-503
Privet 500-02
Rhododendron 497-500-02-05-06
Roses ..497-99-500-02-05-06-07-13-14-15-16
Rudbeckia 502
Salvia 503-05-16-22
Sanchezia 503
Santolina 502
Sedum 503
Seeds (not named) 498-99-502-19
Shrubs 502
Small Fruits 500-02
Smilax 499-503-05-16
Snowballs 497
Solanum 507
Spiræa 502-16
Stevia 502-05
Stocks 516
Swainsona 503
Trees ..497-98-99-500-02
Tritoma 497-516
Tuberoses. 497-98-99-502
Tulips 499-506
Vegetables 498-99-500-02
Verbena 503-05-06-15-16-22
Vincas ..503-05-06-15-16
Vines 497
Violets 514-15-16
Water Lilies 499-503
Yucca 503

MISCELLANEOUS.

Auctioneers 518
Baskets 499
Boilers 520-21-22
Books 502-05-14-18
Collections 505
Cut Flower Boxes ..519
Decorative Greenery 505
Designs 505-18-19
Fertilizers 501
Florists' Letters .504-18
Fittings 520-21-22
Florists' Supplies 499-505-18-19-22
Flower Pots, etc.518-20
Galax 505
Glass 520-21
Glazing Points 520
Greenhouse Bldg 520-21-22
Gutter 520-21-22
Insecticides 504-13-20-21
Lawn Mowers 522
Lumber 520-21-22
Mastica 520
Mushroom Spawn ...499
Newspapers 520
Painters' Supplies ..520
Pipes, Joints and Valves 520
Pumps 521
Putty 520
Rustic Work 499
Sash 520-21
Sprayers 520
Stakes & Supports 502-15
Tile 522
Tinfoil 516
Toothpicks 522
Ventilators 520-21-22
Wants 504
Wax Flowers & Designs 505

Noteworthy New or Little Known Hardy Plants.

Concluded from page 485.

Spiræas are too well known to need much comment, but a great amount of attention is being devoted to this class of plants in Europe, and many and varied are the new forms which are yearly appearing as novelties in European lists. Some of these find their way here and several very interesting ones have found a place in some of our catalogues. Of these the garden varieties have been enriched by Spiræa aruncus var. Kneiffi, a very handsome thing, with its tall, dense, feathery plumes of creamy white flowers. It is a veritable gem for any garden that has a cool, moist, rich soil in a somewhat shady spot. Spiræa chinensis and S. Lemoinei are two very fine distinct types, having creamy white flowers with crimson anthers, which give them a very pretty and unique apearance. Spiræa kamschatica is a very stately plant, with white sweet-scented flowers, growing eight to ten feet high. It was brought from Behring's Island in 1889, and is also called Spiræa gigantea. S. rivularis is another very beautiful plant with creamy white flowers borne in long, branching plumes, growing about four feet high. But the brightest one I know is Spiræa venusta of the catalogues, but S. lobata of the botanists, and called Queen of the Prairie, which is a very fitting title. It is the brightest and best in our collection.

Clematis recta (erect) is also a very useful hardy plant and looks well either massed or singly. A single plant well established is a grand sight. It grows three or four feet high and bears numerous pure white flowers very sweetly scented. As a cut flower for decorative purposes it is excellent. The stems are beautifully clothed with nice green foliage and can be cut almost any length. For church and other similar decoration it is unsurpassed, and usually flowers when material suitable for this purpose is scarce. It has been in cultivation for nearly three hundred years, yet I am sure its beauty is not fully realized. A very pretty double flowered form of this exists, but it is quite rare on account of its slow method of propagation.

Stokesia cyanea is a plant that has rapidly come to the front the last two or three years, and deservedly so. Although an American plant introduced or discovered in 1766, it does not appear to have been generally cultivated. In this plant the most wonderful developments have been made as regards the size of flower. Nicholson's Dictionary of Gardening describes it as being one inch across, few or solitary; other English catalogues say two or three inches, that it must be lifted in the Fall and placed in the greenhouse to see it bloom. Horsford describes it as "a plant of the aster family with blue flowers an inch or so wide"; and A. Perry says, "a sweetly pretty Autumn-flowering perennial of great merit, habit erect, two feet, large lavender blue flowers with a reddish center, fully two inches across." A great deal of surprise and rejoicing has been created the last two or three years over what is described as an early flowering form which some want to name Præcox in order to indicate that it is an early flowering variety. I have noticed, I believe, what purports to be this very same thing in fourteen or fifteen thousand plants grown at Riverton last Summer. A few plants flowered very early and set seed and died down (that is, the tops died down). While the majority of the plants came into bloom later and so continued until late frosts completely cut them down, other plants again, though full of buds and in good, robust condition, did not flower at all. These plants were all grown on high sandy ground and were the admiration of all who saw them from July to hard frost in November. A warm sandy soil is recommended as being best adapted to their culture, but two years ago I raised three or four thousand plants from seed, which were pricked off into trays as soon as large enough to handle, one inch apart, and from these trays they were planted out into the open ground in a very moist, damp spot. By the latter part of July they commenced to flower and so continued until hard frost in November cut them off. Never did we have stokesia flower so freely, but I admit it would have been ruinous to have left them on this ground for the Winter. The same year good strong plants from 3-inch pots were planted in light but well enriched, sandy soil, and they were pale and poor in comparison to the seedlings planted on the damp spot. Its native home appears to be in wet pine bogs. The flowers are a beautiful light lavender blue and three to four inches across, sometimes showing a faint tinge of red. If proper precautions are taken to insure it from standing under water during the Winter months, it is one of the most satisfactory perennials grown. It is propagated by both seed and division.

Michaelmas daisies, or hardy asters, are also coming very rapidly to the front, notwithstanding the fact that wherever we may go or turn in the Fall months, the landscape is dotted with them. In July we may see Aster spectabilis, A. concolor and A. linarifolius and several others. In August and September comes a host too numerous to mention, but many of them have decorative merit and improve under cultivation. Aster Tradescanti was first introduced into Europe in 1633 by John Tradescant, doubtless from Virginia. Some European catalogues boast a list of over two hundred varieties. Over fifty are grown at Riverton and most of them have true merit. In this class of plants it is possible to have the garden gay from May to even December. The alpine varieties are always pretty and attractive during the months of May and June, with their large blue, white and purplish red flowers fully two inches across; the speciosa and superba type are even larger. Shortly after these come the beautiful Aster pergrinus, a lovely thing and one worthy the best attention, but it does not seem happy in our soil at Riverton. Its large, purplish, rose-colored flowers are fully two inches across and are very freely produced during the hot days of early July. After flowering with us it invariably dies and no amount of coaxing has yet appeared to bring it through; nevertheless, I shall try it again. Aster amellus bessaribicus, the Bessarabian aster, is one of the finest and best dwarf asters grown. It commences to flower with us in June and if not allowed to produce seed it keeps right on flowering until frost cuts it off. But perhaps the most showy part of the season is in September and October, when they lighten up the whole landscape with their myriads and myriads of flowers of various hues and colors. Who can see a mass of the beautiful A. cordifolius elegans without being impressed by the symmetry and beauty of a spray containing hundreds of its dainty little miniature flowers, or the chaste form of A. turbinellus, the bright glistening crimson of Mrs. F. W. Raynor, the amethystine blue of A. amethystinus, or the deep crimson and purple of well-cultivated forms of A. novæ angliæ, or the deep blue of A. amellus elegans, the soft lilac of A. lævis, with its tall, slender growth, the lavender blue or lilac of A. Shortii, and the curious growth of the sturdy upright A. grandiflorus—carrying well into December the flowering period of some of the most beautiful of our native plants. These are generally grown from division, but raising them from seed is quite fascinating, as you never know what you are going to have; all may be expected equally as good, with the possibility of some improvements. The North American type, raised from seed, flowers much later in the Fall and does very well for massing in beds. A. ptarmicoides, a white form with single achillea-like flowers, if raised from seed will give an abundance of good, useful cut flowers from September to December. Asters have for years past been very much in use in England as pot plants, and such varieties as longifolius, Mme. Soyneuse, Mr. Peters, St. Bridget, and hybridus nanus would readily adapt themselves to this purpose.

WISTARIA CHINENSIS.

Tritoma Pfitzeri is perhaps getting old now, but it is still being offered as a novelty, and so it deserves to be. It was first introduced into Germany by the man whose name it bears, I believe in 1894. Later on, the whole stock was bought and brought here and found to be nearly identical with one purchased from a florist under the name of "Everblooming," and this name, having priority and being a little more catchy, was retained by its purchaser. But under the name T. Pfitzeri, by which it has scored its greatest popularity, it was and is still sent out in Europe, and by Henry A. Dreer, Inc. It is needless to say its popularity is unbounded and there is no wonder at it when we consider the many uses to which it may be put, and the ease with which it is grown and its ready adaptability to most all soils and conditions. John Lewis Childs says: "It is the grandest bedding plant ever introduced, surpassing the finest cannas for attractiveness and brilliancy, equal to the gladiolus as a cut flower and blooms incessantly from June until December, regardless of frost. Plants are perfectly hardy in open ground all Winter south of Philadelphia; further north they must be protected or wintered in a cellar like the ordinary tritoma. Just bury the roots in sand; nothing more is required. Should be planted out very early in Spring, and will commence growth and bloom at once, growing larger and finer every day. Plants show from 6 to 20 grand flower stalks all the time, each holding at a height of 3 to 4 feet a great cluster of flame-colored flowers of indescribable beauty and brilliancy. Each cluster keeps perfect several weeks, and when it fades two or three more are ready to take its place. Fall frosts do not kill it or stop its blooming, and it is as brilliant as ever long after all other garden flowers have been killed. For cutting it is unsurpassed, and the beautiful long spikes keep several weeks in water. Without a single exception, it is the most desirable garden flower. It has created a sensation in the New York cut flower market." Of course, this is a catalogue description and must be taken with a grain of salt, but still it seems almost difficult to overestimate the beauty and utility of this grand plant.

Tritomas generally are coming to the front. In 1899 about thirty-seven varieties were offered by one Holland firm, and these have quite a wide range of color through various shades of yellow and red, and even to white. Here again is another family now so large and so varied as to give us flowers from June until late Fall. T. Tuckerii is the earliest to bloom with us, being rather a curiously pretty plant when in flower. The color of the flower is yellow tinged with red. It is not a constant bloomer, but in foliage it is quite decorative. Otto Mann comes closely after this with bold striking foliage and large stout flowering scapes, bearing a huge mass of handsome scarlet and yellow flowers; and right in line with these come those of the ever-blooming section, as they are now becoming to be known. Carolina, with its small grassy foliage and persistent bright coral red flowers, is quite as free a bloomer as Pfitzeri. R. C. Affourtit is another claimant to these honors, and, in my estimation, it is a much improved Pfitzeri; but perhaps the most remarkable one of all is Tritoma Triumph As its name implies, it is a most stately and remarkable looking plant. It is a very vigorous grower, making leaves over three feet in length and throwing up a branching flower scape four or five feet high, with a head of rich orange or golden yellow flowers twelve to fifteen inches long. It also throws out two smaller heads on the scape, a characteristic which I have not seen in any other variety. Numerous other varieties have been tried and all are very different from the real old-fashioned T. uvaria. It is necessary to store all or most all in cold storage during the Winter months; we generally lay ours in a cellar with a sandy bottom.

Polygonum multiflorum, introduced a year ago into this country under the name of P. Baldschuanicum, is a rapid growing climber, and is a native of China and Japan. It has proved entirely hardy on Long Island and is really a more desirable plant for America than P. Baldschuanicum. It grows from twenty to twenty-five feet in a single season from very small plants, and in September is almost completely covered with creamy white flowers, which are produced in wonderful profusion from the axils of the leaves, and it proves to be a very attractive and desirable addition to our list of climbers. It is a very deep-rooting plant and bears very large oblong tubers on its roots.

I must not close my paper without saying a few words about the Cimicifugas or Actæa. S. C. japonica, or what is perhaps better known as Actæa japonica—introduced from China in 1879, but which has been lately revived in Europe and a year or two ago found its way into the American trade—is one of the best hardy blooming plants in cultivation, flowering in late October and November. Its feathery white racemes stand up conspicuously two or three feet high, with beautiful foliage, and as a cut flower, although but short lived, it is simply invaluable. As a garden ornament it stands in its season unexcelled and lasts a long time in flower. This plant should not be frequently disturbed, and if removed it should be done when in a dormant condition; in the early Spring is perhaps the best time, for if moved when in leaf the foliage is apt to die completely off, and that is the end of that plant for the season, and this is especially so during a dry period, but the rather tough fleshy roots remain in almost perfect condition in the ground ready under favorable circumstances to commence growth again the following Spring. Altogether this is a very remarkable and showy family. Our native baneberry, Actæa spicata, commences to flower in early Spring; A. s. rubra follows a little later than this; then Cimicifuga racemosa, a truly majestic plant, flowers in July, the Japanese variety, Pityrospermum acerinum, in August; americana cordifolia carries us into September, then comes C.

hurica with its dense masses of ort white flowers, on black stems, hich carries us into October, when C. ponica takes up the display and comtes the show for the year.

These are but a few examples of the any new and interesting things which e constantly claiming our attention d wooing us on into those mystic pths of flowerland which no man or n can describe; and if these few ude remarks from a novice, not an pert as your secretary was pleased style me, has created any desire in y of you for the beautiful in Nature, y efforts will not have been in vain.

Wistaria as Bushes.

What a lovely vine is the Chinese staria! As generally seen climbing a porch, some old tree, or running wires or other supports, often to the ird and fourth story of a dwelling, is a grand sight! And somehow one ally does not feel Spring is truly here l the wistaria is in flower. In addion to its uses in the way mentioned, makes capital standard bushes. rive a stake in, tie the vine to it, and a few years the "tree" can support elf.

Another pretty object is formed by tting a plant and letting it run at ill. Our illustration explains what is eant. It takes a situation where om can be afforded it to admit of is form of growth, but what a lovely ject it is! This bush attracted my tention a quarter of a mile away, d not till it was approached much oser could its character be discerned. has been planted about fifteen years.

JOSEPH MEEHAN.

loral Clock at St. Louis Exposition.

With its mechanical frame quite ncealed beneath beautiful flowers hd vari-colored foliage plants, the ammoth floral clock that may be en at St. Louis by visitors to the ouisiana Purchase Exposition in 1904 ill be by far the largest timepiece er constructed.

The floral clock is immediately north the Agriculture Building, and to the sitor appears to be made entirely om contributions from the floral orld. The mechanism of the clock is aried and the huge dial, 100 feet in ameter, shows its face six inches bove the ground. The dial, the hands, e minute hand being 50 feet long and oving 5 feet at each move, and all e frame are so covered with flowers s to quite conceal any mechanical conivances.

The numerals marking the hour are feet in length and are made of right-colored coleus. In the circle rrounding the numerals are collecons of 12 distinct plants, each collecon being 25 feet long and 12 feet ide. Nature has ordained that each these plants should open its blosoms at a certain hour of the day, and e great floral clock shows how the ws of nature are as exact as the meanical laws discovered by man.

The entire center of the face of the ammoth floral clock, a space inside e circle created by the numerals, and feet in diameter, is composed of alernanthera. Encircling this immense ed of alternanthera, and separating it om the 15-foot floral numerals that ark the hour, is a narrow band of ntaurea.

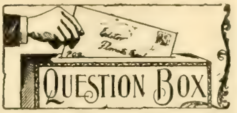
The hands of the clock are made of framework of steel, but wooden oughs filled with soil are provided, nd in these troughs myrtle, ivy and ther creeping green plants grow luxriantly and completely conceal from iew everything but themselves.

The circle surrounding the numerals 300 feet in circumference and the ections of hour flowers each occupy space 25 feet long and 18 feet deep. he sections are divided by narrow trips of foliage plants and each secion thus retains its individuality.

Surrounding the 12 groups of flowers a circle of grass, six feet wide.

The floral clock will be as attractive n exhibit at night as it is in day. mong the foliage of the hour numerls are 1,000 incandescent electric amps, not visible during the day, but fter nightfall, when the electric curent is turned on, the myriads of lamps luminate the entire exhibit and make t as light as day, and more beautiful.

The floral clock is the exhibit of the ohnson Service Company, of Milwauee.



Heating by Coil Boiler.

(101) Kindly advise me how to make a coil boiler large enough for 500 feet of radiation. Does the fire come in contact with the pipe? About how long should such a boiler last? Would it give as good results and be as economical as a regular hot-water heater?

W. C. P.

—The life of coil boilers is very indefinite. Sometimes, if built of small pipe, they give out in two or three years, when built with screw joints; while in other cases they will last much longer. But at the best their life is less than half that of cast-iron boilers. Use a grate two feet square, and make the boiler of 100 feet of 2-inch pipe arranged in four coils containing four pipes each.

L. R. TAFT.

Piping.

(102) How many rows of steam pipe, 1½-inch, do I need in a carnation house 9 feet wide, 5 feet high at sides, and 7½ feet high in center?

P. V. O.

—If the varieties to be grown do not require over 50 degrees, it can be secured by placing two pipes on each side. For 55 degrees, in severe weather, an extra pipe would be desirable. In the latter case, the flow could be carried at the ridge, and two returns on each side. This would answer for a house 80 to 100 feet long.

L. R. TAFT.

(103) I have a Weathered conical boiler, No. 6, and want to use three-inch cast-iron pipe. The house runs southeast, stands alone, is 16 x 85 feet, and 10 feet high. There are three divisions, 23 feet for palms, 30 feet for roses, and 32 feet for carnations. The outside temperature drops to 18 below zero.

SUBSCRIBER.

—Use ten pipes for roses and palms, with two flows on each side of the house. Reduce to one on entering the carnation house. Three returns will be required on each side of each house.

L. R. TAFT.

(104) Kindly inform us how many four-inch cast-iron pipe it will take to heat 100 feet south to 50 and 55 degrees for carnations, with the thermometer going to 10 degrees below zero in cold weather; also how many pipe to heat the northern 50 feet to 60 and 65 degrees for roses; also how many flows and returns for each and the best way to lay them. The house is 150 x 20 feet, and is to be built on the east side of a present house.

R. C. & SON.

—As the house has but one exposed wall there should be no difficulty in maintaining the temperature desired if seven four-inch pipes are placed in the south end and nine in the part to be used for roses. The extra pipe should be on the exposed side of the house. Start two flows on each side of the rose house, and when they reach the partition connect them by means of a Y and continue the single pipe to the south end. If this is much exposed, and especially if there is a bench across the end of the house, carry the flow pipes as far as the door from each side. There will be two returns on the west and three on the east side of both houses. Of course, the returns should be under the flow pipes, and should have a slight fall toward the heater. If there is an elevated expansion tank at the north end it will be well to have a vent pipe in each flow at the south end.

L. R. TAFT.

Concrete—Chimney—Heating.

(105) Can ashes (soft coal) be used with sand and gravel to make concrete? Can ashes and gravel be used with cement, and in what proportion, same to be employed in building the walls of a cellar?

I have a boiler with a grate surface of 4 x 3½ feet, 44 3-inch tubes, 12 feet long, what size chimney is required?

The same boiler heats 100 feet, 6-inch, 12 feet 5-inch, 100 feet 2-inch, 20 feet 4-inch pipe. How much more will it heat?

M. D. S. & SON.

—It is not advisable to use ashes of any kind for concrete The coarser the sand and gravel the smaller the amount of cement. If broken stone is available, four parts can be used to two of coarse sand or rather fine gravel, and one of Portland cement. In some places, pebbles from the size of a hickory nut to that of a hen's egg can be readily obtained, and thev can be used to take the place of broken stone. If neither are available, use five parts of gravel to one of cement.

A chimney 18 inches in diameter will be desirable.

A boiler of this size would, with frequent firing, take care of 25 per cent. radiation, but considering time and fuel the present radiation will be more economical.

L. R. TAFT.

A Lasting Fern.

(106) There is a fern, sold by florists in this part of the country, which, I am told, is shipped from Pennsylvania, and which, they tell me, keeps for several months after cutting. Are these ferns dipped in some preparation to give them their lasting properties; and, if so, what is the preparation? Or, is this lasting property the direct result of the climate? At what time of year are the fronds cut? They come tied in compact bundles and are similar in appearance to those which grow in the Michigan woods.

C. L. P.

—The ferns alluded to are no doubt the hardy ferns so much used by florists. There is no dipping or other preparation given the ferns; they are simply gathered in the Fall and stored away in cool quarters. They are the common sword or dagger ferns found in the woods, and can be gathered and stored from the Michigan woods just as well as in any other State.

"Day Plant," and Moss Pink.

(107) We have some customers who would like to know what a "day plant" is, as they call it; also a "moss pink." Could you give me any idea of what are referred to?

A. R. P.

—The day plant your customer refers to is probably the day lily, the correct name of which is hemerocallis, a bulbous plant that can be secured from any seed house.

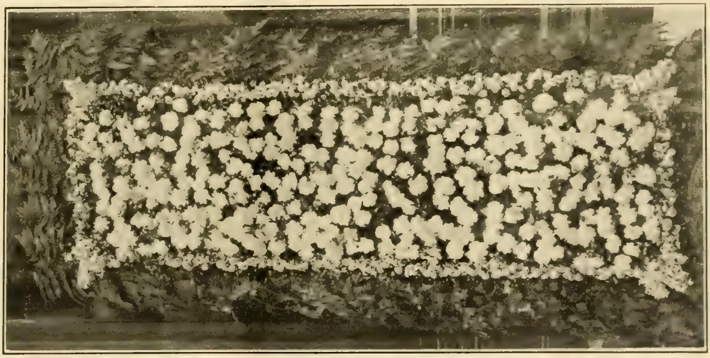
The moss pink is a name usually given to Phlox subulata. This is one of the hardy phloxes, and can be had from any nurseryman.

Snails.

(108) Will you suggest some effective remedy for the slug, sometimes called snail, the well-known mottled gray greenhouse pest that works its mischief by night? With us, it shows a preference for petunias, carnations, violet and pansy blooms. We have tried a layer of lime on top of the bench boards, but this has to be renewed too often on account of watering. Can the pest be trapped?

D. T.

—To get rid of snails, lime is usually a very good remedy. Hammond's slug shot is also a good thing to use. For trapping the snails, we would employ cabbage leaves, laying one here and there among the plants, then, in the mornings, on the under side of the leaves, will be found the snails, and they can be destroyed by shaking them into a box containing some fresh lime.



FLORAL CASKET COVER—ARTIST JOHN H. DUKE, TROY, N. Y.

A Floral Casket Cover.

The illustration herewith shows a floral casket cover made by John H. Duke, of Troy, N. Y., for the funeral of Judge Nason, of that city. The deceased jurist was a Yale graduate, and the carnations used were dyed blue.

In regard to this coloring process Mr. Duke says: "I have been coloring carnations for some time. It is remarkable to observe the attention they have received from the public. The flowers sell easily at $1.00 per dozen. The people are aware that the blooms are colored, nevertheless they buy them freely, quite a number being used at balls to match the dress fabrics."

A New Edition of "Violet Culture."

The great demand for "Commercial Violet Culture," written by Professor Galloway, Chief of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., has exhausted the first edition of this work. A second edition, revised and enlarged, is well under way, and will be published shortly. Price, $1.50 postpaid. Orders booked now by The Florists' Exchange.

Review of the Market

NEW YORK The extremely warm weather the past day or two has played havoc with the cut flower business. Sales have fallen off very perceptibly and supplies have been on the increase. At the beginning of the week business was fairly good; neither roses nor other flowers were over-plentiful, and it was possible to clear out daily. With the very warm day of Wednesday, however, business came almost to a standstill, and on the day following supplies of all kinds of flowers increased very much. So far as roses are concerned, prices remain about the same as quoted last week, but it is very difficult to make clearances. With American Beauty it is possible at times to obtain 20c. each for a very few, but the great majority have to be cleared out at the lowest quoted figures; $8.00 per hundred is the asking price for special Bride and Bridesmaid, though for a few of a superior grade that come from Canada 12c. is occasionally demanded. Buyers are not very anxious for this brand of roses at this particular time of the year. The Canadian growers do not seem to cut their buds as close as do the majority of those who consign to the New York market, consequently the flowers open much more quickly in the hands of the retailer, a fact that is detrimental to the Canadian-grown roses at this season. We also notice an occasional shipment from the Dale Estate of the new rose, Canadian Queen. No doubt if this rose were in regular supply it would sell to better advantage; as it is, the supplies are intermittent and retailers are a little shy in handling the flowers, not knowing whether they can procure stock of the same variety next day, should a customer desire it. Canadian Queen has been bringing 6c. each for No. 1 grade.

The No. 2 grades of Bride and Bridesmaid are extremely plentiful, and in order to clear out at times they have to be sold at the lowest quoted price, namely, $1.00 per 100.

Cattleya Mossiæ are coming into the market more plentifully but do not meet with the demand the flowers deserve; 40c. each is the outside price.

Carnations are arriving in enormous quantities, and a great many of the inferior grades are seen. These are sold at any price ranging from 75c. to $1.00 per 100. For the good ordinary kinds $2.00 per hundred is about the ruling figure. Mrs. Thos. W. Lawson and white varieties that are good are bringing about $4.00 per hundred, while fancy sorts, Prosperity included, sell at $5.00, with an occasional sale of 100 at $1.00 more.

Lilies are still quite plentiful and a great many are being sold at $2.00 per hundred, the best blooms not realizing more than $5.00.

Lily of the valley has been the best selling flower on the market, and up to Thursday morning $4.00 and $5.00 per hundred were the ruling prices. On that day, however, extra large shipments reached the city and the values weakened considerably.

Single narcissus, both yellow and white, are still very plentiful and 50c. per hundred is about what they bring. Daffodils reach $1.50, they not being so plentiful as the single ones.

White sweet peas continue to sell fairly well, 10c. per bunch being realized; pink ones, however, do not meet with nearly so good a demand, and the prices for these range from 3c. to 8c. per bunch, according to quality.

The warm weather has nearly made an end of the violet business. While there is still a good supply coming to the city, the quality is poor and the storekeepers will not handle the flowers to any extent. Through some cause or other the Greeks do not seem to have much use for violets at this time, either, consequently the average returns for this stock must be extremely low.

It has been usual at this season to have a good supply of lilac from the South; this has not materialized so far this year, however, and there is a good demand for the home-grown product, bunches of which are realizing from $1.00 to $1.25 each.

A very good grade of double flowering stock is coming in, realizing 50c. a bunch. Bunches of antirrhinum are also selling fairly well at from 35c. to 50c. a bunch.

The demand for maidenhair fern has fallen off considerably, and the same condition is noticed with regard to smilax.

BUFFALO.—In retail lines a fairly good business prevails. The supply of flowers still meets the needs in good qualities, with carnations rather short for the calls, and violets practically done. Roses are plentiful and fine. VIDI.

CHICAGO.—The past week business opened up in fine shape, but after the first two days things were on the decline, while toward the latter part of the week they returned to normal, with prices a little stiffer. American Beauty are selling at from $3.00 to $4.00 per dozen for extra long down to $1.00 to $2.00 per dozen, while the prices on all roses are, with the exception of Liberty, from $4.00 to $8.00 per 100. Good Liberty are selling at $25.00 per 100 for extra fancy, down to $6.00 to $8.00 for other grades. Some fine Kaiserin Augusta Victoria and La France are to be seen, and readily realize from $4.00 to $10.00.

Carnations are as yet not over-plentiful and are fairly well cleaned up after each day's sales, with the price considerably above the average of former years at this season. Ordinary stock runs from $2.00 to $3.00, while extra fancy are bringing from $3.00 to $4.00 per 100.

Of bulbous stock the supply has shortened up considerably. Few tulips are to be seen. Those available find a ready market at from $2.00 to $5.00 per 100. Lilies have been selling well for a few days, with the price firmer than last week. Lily of the valley is not over-abundant, ranging from $3.00 to $4.00; callas are in fair supply and selling at from $10.00 to $12.00 per 100.

Retail trade in cut flowers is satisfactory, better than in plant lines. Shipping business continues fairly brisk. R. J.

ST. LOUIS.—All three wholesale houses are at the present time receiving an enormous quantity of stock of all kinds, especially of the second grades. Long-stemmed American Beauty roses are good sellers at $2.00 and $3.00 per dozen. This price is for the best stock. Thousands of shorts are sold for almost nothing. Other roses are bringing $8.00 for choice, and from that down to as low as $2.00 and $3.00 for seconds and thirds. The plants of all growers seem to be in crop, and the supply is testing the capacity of the wholesalers' ice boxes.

Lilies are a great glut; callas are selling at $5.00 and $6.00 per hundred; Harrisii and longiflorum at $10.00 and $12.50. The demand is not any too good for them.

Carnations are fine in quality, and most plentiful in all varieties; even white is going a-begging, something that has not happened for a long time. The J. D. Thompson Carnation Co. is sending in fine flowers of Enchantress, which suffer with the rest in price; $15.00 per thousand is all the wholesaler is able to get for them at present; and $2.00 and $3.00 in hundred lots.

Sweet peas are selling well. These are not as yet plentiful; 50c. and 75c. is the price asked for them. Before another week or two they will be very abundant. Smilax is very scarce in this market and any grower who has plenty of it to cut would do well to consign it here. The price is 15c. per string. Asparagus takes the place of smilax. Common ferns have gone up a little in value, owing to their scarcity. St. P.

INDIANAPOLIS, IND.—Nothing out of the ordinary has occurred in the flower line lately. There have been few decorations, and funeral work is light. Quite a number of out-of-town people inquire about vines and bedding stock, seeds, and other Spring and Summer paraphernalia. There are a goodly number of customers, but sales have been light. Cut flowers are not overly abundant. Roses are equal to the demand. Most of the rose plants in this vicinity are off crop at present. Bridesmaid, Bride, and Meteor sell at 6c.; Sunrise, 4c. to 5c.; Liberty, 10c. to 18c. The average retail price is $1.50 the dozen. There are few calls for American Beauty, which sell at from $2.00 to $9.00 per dozen retail.

Quite a lot of out-of-door bulbous stock is coming in, which is sold at a low figure. Sweet peas sell well at $1.00 per hundred wholesale and $1.75 per hundred retail.

A few violets are still in the market, but the demand is light.

Both callas and Harrisii lilies are plentiful, perhaps more so than at Easter; $1.00 to $2.50 is the wholesale price per dozen and, retail, $3.00 per dozen. I. B.

CINCINNATI, O.—The following prices are now ruling in this market: American Beauty, 36 to 40 inches, $3.00 per dozen, 30 inches, $2.50; 24 inches, $2.00; short, 2c. to 8c. each. Bride, Bridesmaid, and Golden Gate, $8.00 per 100. Liberty, select, 15c.; 1st, 10c. to 12c.; medium, 6c. to 8c., short, 3c. to 4c. Carnations, fancy, $3.00 to $4.00 per hundred; medium, $2.00 to $3.00. Harrisii lilies, per dozen, $1.50; callas, 10c. each; fancy adiantum, $1.50 per 100. A. Sprengeri, 3c.; lily of the valley, $4.00 per 100; sweet peas, 75c. to $1.00; daisies, 50c. per 100; common ferns, fancy, $2.00 per 100. E. GILLETT.

LOUISVILLE, KY.—The market continues steady, with good stock scarce. Usually at this time we have so much hardy outdoor stock coming in that it causes the greenhouse flowers to accumulate, but this year that class of material is comparatively nil and consequently good greenhouse stock is scarce. Another reason: the weather has been very unfavorable, stock opening very slowly. Prices both wholesale and retail hold up well. Retail prices quoted are: Roses, $1.00 to $2.00; American Beauty, $2.00 to $5.00; carnations, 50c. to $1.00; callas, $2.00 to $3.00; mignonette, 50c. to $1.00; lily of the valley, 50c. to $1.00; sweet peas, 25c. to 50c.; marguerites, 10c. to 50c. per dozen; smilax, 25c., and asparagus, 50c. to $1.00 per string. A. R. B.

MILWAUKEE.—Trade conditions were somewhat light the past week. The principal demand was for funeral work. A large lot of belated lilies is in the market, and any reasonable offers on them are accepted. Outdoor tulips and hyacinths are now in. Roses and carnations are more plentiful, and light-colored flowers are usually cleaned up at good figures; but colored stock has taken quite a drop. The violet season is about closed and returns to the growers were more satisfactory than in former seasons. American Beauty roses are quite plentiful; the medium and short grades find a more ready market than the long, fancy stock. Smilax is extremely scarce and other greens are in large demand.

Growers are now busy preparing their bedding stock, also getting their carnations out in the field. Some building will be done this Summer. C. C. Pollworth Co. are adding three large houses for roses. C. Johansen, Th. Schwelke, Chas. Kitzerow, F. Kaiser will each add one house for carnations. P.

New York.

News of the Week.

We were treated to a temperature of 90 degrees on Wednesday, and on the day following the record was not far below. We rarely miss having a hot wave in the month of April, but coming as it did so late this year, the bulb displays in the parks have been caught while at their best almost, and their period of beauty, in many instances, has been cut off suddenly.

The display of hyacinths and tulips in Prospect Park, Brooklyn, has been on a grand scale this year, as also has that of Seaside Park, Coney Island. The latter park was only laid out last Summer; the spot it occupies was a sand waste, and every bit of soil had to be carted there. The lawns and the plantations of rhododendrons are now looking fresh and green, and pansies and bulbs have been planted extensively. Park Commissioner Young certainly deserves great credit for the excellent manner in which he has established this beautiful park at the seaside in such a short time.

Ernst G. Asmus, West Hoboken, N. J., who has been sick for several weeks, is now recovering.

M. Barker, Chicago, Ill., has been spending a few days in the city.

A. Dimmock has changed his New York address from 60 Vesey street to 138 Liberty street. Mr. Dimmock has just received word that his firm, Sander & Son, England, has been awarded the following prizes at the Quinquennial Show in Ghent, Belgium: First prize for azaleas for commercial use, first for new azaleas, and first for new plants.

Wm. Elliott & Sons had a rousing big auction sale in their rooms on Tuesday, the sale lasting well into the afternoon. Cannas in flats are being offered now, as also all kinds of soft-wooded bedding plants.

A. Herrmann, florist supply dealer, East 34th street, sailed on the steamship Grosser Kurfuerst, April 30, for an extended trip to Europe, where he will purchase novelties for the Fall trade.

Miss Anna Roehrs, daughter of Julius Roehrs, Carlton Hill, N. J., will be married on the 25th inst. to Mr. Haufbrauen, a prominent fur dealer in New York.

Mrs. Jas. W. Withers, who was with her husband in Jamaica when he died, arrived home on Monday. The interment of the remains of Mr. Withers took place in Kingston, Jamaica.

R. H. James, grower of the "three-legged brand" of Harrisii lily bulbs, St. Georges, Bermuda, was in the city this week. Arthur Cowee, gladiolus specialist, Berlin, N. Y., was also a visitor for a few days. Mr. Cowee will plant 75 acres of gladiolus this season, 15 acres of which are finished already.

Mackay & Marr is the name of a new firm that has leased greenhouses at Winfield, L. I., and will grow plants for the wholesale market. Both the partners are former employees of John Scott, Brooklyn.

Chicago.

Jottings.

P. Reinberg is cutting some extra fine Triumph and Flora Hill carnations, and reports a fairly good season.

George Reinberg is cutting superior Bride and Bridesmaid; the latter are of extra fine color.

Wietor Bros. are sending in some fine Kaiserin Augusta Victoria and La France roses, from plants which they have kept dormant for some time. They have a large crop of short-stemmed American Beauty roses coming in from plants which were dried off some time ago, and cut back. These they intend to carry over for Summer cutting.

All the growers are busy planting out carnations in the field. This season will see the largest acreage that has ever been planted in this vicinity.

A. L. Randall has moved into his new store at 19 to 21 Randolph street. When he gets everything in shape he will have one of the finest wholesale houses in town.

Visitors in town included Wm. Kamp, Kenosha, Wis.; Mrs. Taylor and Mrs. Witted, Minneapolis, Minn.; A. Duebendorfer, Ames, Iowa; Prof. Duggar, Columbia, Mo.; H. Kranzke, St. Mary's, Ind.; J. Sawyer, Dundee, Ill.

ROBERT JOHNSTONE.

Philadelphia.

News of the Week.

The principal activity in business now is centered around the growers who produce large quantities of stock for planting out. In many places it is noticed that most of this stock is no so well advanced as usual. There are two reasons for this: Easter was rather late, and the flowering plants took up so much that other stock could not be potted on; then the cold nights have retarded the growth of Spring plants.

From present indications there wil be a great many more Liberty roses grown around here next season.

Seed houses who do a large mai order trade report that for some reason the bottom dropped out of the business the past two weeks. Probably the warm weather will brighten trade up again.

The recent cool nights have put lots of money into the hands of flower growers, the violet growers especially; for even on April 30 some very presentable violets were offered. It is certainly many years since such good flowers were offered at this date.

Eugene Bernheimer received about 4,000 General Jacqueminot roses the first four days of this week; they are selling well at from $3.00 to $12.00 per 100.

Chas. Price, of Lansdowne, has sold his ground. The greenhouses will be taken down. DAVID RUST.

Boston.

Ten members of the "Old Guard" surprised Wm. W. Edgar on his birthday Tuesday, and presented him with a handsome gold watch. Edward Hatch made the presentation speech.

J. M. Cohen, of Chapman Place, has made an assignment. F. J. N.

POUGHKEEPSIE, N.Y.—Our florists report an increase in the Easter trade of nearly 50 per cent. over that of last season. All carried a heavier stock and sold out clean by Sunday, 9 a.m. In the plant line, lilies, azaleas, spiræas hydrangeas and well-flowered Crimson Rambler and hybrid roses in pots were most in demand. Bulbous stock in pans and pots sold well. Cut flowers had a great call Saturday, with roses and carnations as first choice. Violets were in good demand and short supply. Prices asked were about the same as those in former seasons, with a slight increase in some lines.

P. T. DE VOY.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.
WHEN you cannot fumigate with our **Fumigating Powder** you can apply our **Black Stuff Fine** direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5 pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

CHRYSANTHEMUMS

Exhibition Flowers and Growers.

There has been during the past three or four years a very great increase in the number of growers who cultivate a few chrysanthemums for exhibition, and the indications are that this class will continue to increase, as it is composed entirely of private gardeners whose employers are genuinely interested in the Autumn Queen, and who love to see their names in print as having won a first prize. While this increase seems at present to be confined to the Eastern seaboard, there is not the least doubt that the whole country will eventually be dotted with exhibition enthusiasts, as the desire for country homes increases among our rich men. With a country place comes the desire to beat your neighbor, if only in growing muskmelons.

The fact that the Chrysanthemum Society of America is making preparations for holding a mammoth chrysanthemum show in New York this Fall will give the exhibition growers a chance to spread themselves, and judging by the phenomenal buying of the latest novelties they are proposing to do so. A peep at the proposed list of prizes for the different classes shows that this will be unquestionably the largest exhibition ever held on this continent; and it will be to the everlasting disgrace of the Eastern grower if he does not take advantage of the opportunity to demonstrate for once what New York is producing in the way of exhibition plants and flowers.

The idea of each society in this vicinity contributing money to make special classes for their own members is an excellent one, as it will give small growers who do not have a sufficient number of plants to compete in the open classes a chance to exhibit in the classes for their own society; and the money that any society contributes will find its way back to its own members. The cry is often raised that the small grower has no chance when competing against the man who numbers his plants by the thousands; but this year, as every society has the privilege of making its own classes, it will be the grower's own fault if the classes do not suit him.

In addition to the restricted classes, which really form only a small part of the schedule, there is a large list of open classes for the free lance and the man who feels himself strong enough to cope with any of the big fellows. It ought to be a veritable battle of the giants, and my only hope is that growers will respond as generously as they should.

Commercially speaking, the chrysanthemum seems to have been overdone of late, judging by the prices obtained for the flowers; but from an exhibition standpoint the chrysanthemum has not yet begun to come up to its possibilities in America. We have the material, the growers and the money to produce shows the like of which could not be found in any other country, but so many growers leave their flowers home because they haven't the "sand" to risk a beating, and there is usually such a paucity of exhibitors in the big classes that it is small credit to a man if he does get a first prize. Again, growers often have a grievance because they think they don't get a square deal in the judging. It is true, once in a while some poor judgment is shown in awarding the prizes, but that is the fault of the judges and not of the society; and, furthermore, we are all too apt to think our geese are all swans.

Those exhibitors who are growing the Australian novelties for the first time will do well to remember that it is necessary in handling these varieties to catch the crown bud, as the later bud is worthless. This is, of course, true with the majority of exhibition varieties, but I know of none of the novelties (and I have seen most of them) that require to be taken on a terminal bud. They are, most of them, making splendid growth, particularly C. J. Salter, Lord Salisbury and Mrs. Thirkell and I think that some phenomenal flowers will be grown if the weather is halfway suitable for their final development.

It is time for the exhibition grower to be getting his plants benched, for no matter what may be said to the contrary, a chrysanthemum must have a good season of growth if deep, well-finished flowers are wanted. Any time during May is early enough, but it is well to plant as soon as the stock is ready, so that it does not become potbound in the least degree. A sturdy growth is essential; but this sturdiness should be natural and not obtained by withholding water from the plants or allowing them to become potbound.

In filling our benches we have always found it a good plan to run green sod along the cracks of the bench. This keeps the soil from filtering through, and yet is open enough to permit the surplus water to pass away freely, and as the sod rots away it furnishes good food for the roots. If bone meal is used it is well to mix it through the soil before planting; and this can be readily done when the soil is being cut down and prepared. If the soil is a heavy loam some leaf mould or burnt vegetable refuse will help lighten it up considerably. A free soil—that is to say, a soil that permits the water to pass readily through it—is far better than a heavy, clayey soil that will keep wet much longer. This will be felt more in the Fall when the grower is feeding his plants heavily with liquid. At that season the sun has lost much of its power, and when you water your plants, if the soil is heavy and retentive it will stay wet for a week or more and you cannot feed with liquid with nearly such frequency as you could had your soil been lighter.

Just as soon as your stock is planted you should use every endeavor to get it perfectly free from insects of every description. There is generally a rush of work just now, and if there is only a little green fly present the temptation is great not to bother with it, but to leave it for a day or two till you "get more time." Get your plants clean at once, and start right. This is one of the little things that often make the difference between success and failure. Let your plants be making perfect foliage from the first and not be crippled up half the Summer from the effects of green fly. It is certain that a crippled leaf cannot perform its functions so well as a perfect one. The successful grower must be a master of detail; in fact, that is all there is to chrysanthemum growing. Look after the details and success is certain.

IORA.

Chemical Manures for Garden Crops.

Speaking generally, all market gardeners are opposed to the use of chemical manures. While they recognize their efficacious action during the first and second year, they consider that they spoil the land, and render it unfit for use at the end of the third or fourth year. There is certainly force in this objection; but it simply proves the necessity of giving due weight to the physical qualities of the soil, and points to the fact that, in order to preserve its humus and the proper tilth, it is always necessary to have recourse to farmyard manure. The exclusive use of chemical manure has the drawback that it hardens and dries the land without supplying it with organic elements. Prudence demands that in the kitchen garden, where the state of the soil is so important, chemical manures should only be used in conjunction with the application of farmyard manure.

We shall now pass in review the different experiments which are capable of throwing light upon the rational composition of formulæ of chemical manures.

Universal Mixtures.

Some investigators have endeavored to find a mixture which may be universally applied to all vegetables. Several of them have obtained very satisfactory results by these means. M. Georges Ville recommended a complete manure composed as follows:

	Oz. per sq. yd.
Superphosphate of lime	1.18
Nitrate of potash	0.59
Nitrate of soda	0.89
Sulphate of lime	0.89
	3.55

This manure may be employed in all seasons, either before planting or sowing, or when the plants are growing. M. Zachariewicz, who has made some very interesting experiments on this subject, has also found a manure which, applied to various vegetables—radishes, onions, lettuces, carrots, cabbages, beans—gave, on an average, the best results. In accordance with the results obtained he gives a formula which differs little from that of M. Ville, of which it is but a simplification.

	Oz. per sq. yd.
Nitrate of potash	0.47
Superphosphate of lime	0.59

Dominant Elements.

Other experimenters, on the contrary, have endeavored to find a manure which is specially adapted for each vegetable. Chemical analysis enables us to find out which is for each plant the "dominant element," i.e., the element most necessary for its formation. We thus arrive at the following conclusions: (1) For leguminous plants the "dominant" is phosphoric acid and potash. (2) For leafy plants, such as salads, lettuces, chicory, corn salad or lamb's lettuce, sorrel the dominant would appear to be nitrogen. Spinach is also in this category, but it also requires a small proportion of iron. (3) The dominant in all solanaceous vegetables is potash. (4) All cruciferous plants, such as kohl-rabi, turnips, and radishes, require nitrogen and phosphoric acid. (5) Plants of the composite order, such as artichokes and cardoons, have nearly the same dominants. (6) Certain culinary liliaceous plants, such as asparagus, etc., require an abundance of nitrogen and potash. (7) Root plants may be included in the third group.

The study of these dominants has led the Marquis of Paris to the composition of the following formulæ, from which, as a rule, good results may be obtained:

1. For papilionaceous plants (such as peas and beans):

	Lb.
Nitrate of soda	7.71
Superphosphate of lime	6.61
Chloride of potassium	2.20
Sulphate of lime	4.40
Sulphate of iron	4.40

2. For solanaceous plants (potatoes, tomatoes, egg plants):

	Lb.
Nitrate of soda	2.20
Superphosphate of lime	8.81
Chloride of potassium	4.40
Sulphate of lime	4.40
Sulphate of iron	4.40

—M. Vilmorin, in Journal of Royal Agricultural Society, reprinted in The Garden.

BOWLING.

BOSTON.—Monday (Patriot's Day) the florists' bowling team visited Cohasset in search of revenge for the two previous defeats received at the hands of the Cohasset team. A fine fish dinner was served on arrival, after which bowling was enjoyed for several hours. The games resulted in a three-time win for the florist team. Candlepins were rolled.

FLORISTS.

	1	2	3	T'l
Gibson	80	93	81	254
Barrett	70	80	79	229
Coleman	94	100	79	273
Harrigan	90	79	82	251
Norton	90	84	78	252
Totals	424	436	*399	1259

COHASSET.

	1	2	3	T'l
Sullivan	69	79	84	232
McElroy	84	94	77	255
Napes	90	85	80	255
Enos	83	87	82	252
Stewart	79	83	76	238
Totals	405	428	*399	1232

*Florists won the roll-off on third string.

F. J. NORTON.

The McKellar & Winterson bowling team went to Joliet and rolled a matched game with the Chicago Carnation Co.'s team, Saturday night, April 25. The visitors were badly beaten, but took it with good grace. After the game the home team took the visitors to Hobb's Cafe and gave them a royal banquet which lasted into the wee sma' hours. A challenge was given and accepted to play a return match. This game will take place on Saturday, May 9, at Chicago. Besides the bowlers, Fritz Bahr, of Highland Park, Anton Then and your scribe were present. Below is the score:

JOLIET TEAM.

	1	2	3	Total.
P. Spain	138	163	156	457
A. Oberman	122	163	138	423
L. Heitman	157	162	138	457
J. Hartshorne	115	150	138	403
P. Olson	199	197	162	558
W. Wichtendahl	130	119	167	416
	861	954	899	2,714

McKELLAR & WINTERSON'S TEAM.

	1	2	3	Total.
C. W. McKellar	161	116	141	418
C. Prunner	141	163	199	503
J. Stewett	136	169	119	424
L. Winterson	137	145	168	450
A. Newitt	123	155	160	438
E. Winterson	155	159	149	463
	853	907	936	2,696

Canadian News

OTTAWA.—Firing is still kept up. Fine, warm, sunny days, but frosty nights. Greenhouses have recovered from the Easter clearing out and are again filled with repotted bedding stock. There is an extra supply of geraniums. Lilies, the only left-over stock at Easter, have not gone to waste owing to several funerals calling for large designs. All have now some fine houses of carnations, showing a big crop without red spider or spot. Glacier is a sight—ahead of all other whites. This is certainly a great all-round carnation. Young stock is looking fine. Wright, of Aylmer, is planting his out, as he believes in giving them the early Spring weather—a very good plan if it was not offset by the fear of that early May frost which we got last year to the tune of 8 degrees.

Roses are very good stock at the present time, the demand for both them and carnations being very brisk. Bulbous stock is cleared out completely. Lily of the valley continues one of the best selling articles.

All have received their stock of the Pierson fern; and in our case we are agreeably surprised at the good quality of the plants. Quite different is the case of carnation Enchantress; the stock of it received was disappointing.

E.

LONDON, ONT.—Roses, American Beauty, $4.00 to $20.00; Bride and Bridesmaid, $5.00 to $10.00; Golden Gate, $5.00 to $10.00; carnations, inferior grades, $2.00; standard varieties, $3.00 to $4.00; fancy varieties, $5.00; daffodils, $2.00 to $3.00; lilies, $5.00 to $10.00; lily of the valley, $2.00 to $3.00; narcissus, $2.00 to $3.00; sweet peas, $1.00.

Roses are plentiful and of good quality; sales are a little slow and stock is accumulating. Carnations are still short, only about 50 per cent. of orders being filled. Bulbous stock is over and it is a relief to see the last of it. Plant sales continue good and from the optimistic views entertained by florists all over the country, prices are likely to be higher than for some years past.

G.

Chrysanthemums

10,000 READY NOW

40 leading varieties, rooted cuttings, $15.00 per 1000. Our selection, $12.00 per 1000.

From 2 in. pots, $3.00 per 100; $25.00 per 1000. Our selection, $20.00 per 1000.

J. GAMMAGE & SONS
LONDON, ONT.

Mention the Florists' Exchange when writing.

ROSES

C. Soupert, 2 inch .... $3.50 per 100
Hermosa, 2 inch .... 3.50 "
Crimson Rambler, 2 inch .... 4.00 "
Mme. Plantier, 2 inch .... 4.00 "
" " field-grown .... 8.00 "
Prairie Queen, 2 inch .... 3.50 "
" " field-grown .... 8.00 "

Webster Bros., Plantsmen, Hamilton, Canada

CARNATIONS

A change in my plans for planting enables me to offer for sale my entire stock of improved varieties in 2 inch pots, carefully grown from selected cuttings.

Write for List and Prices

S. C. NASH, Clifton, N. J.

Mention the Florists' Exchange when writing.

100,000 Unrooted Carnation Cuttings

	Per 100	Per 1000
Governor Wolcott, white	$2 00	$20 00
Alba, white	2 00	20 00
Golden Beauty, yellow	2 00	20 00
Stella, variegated	2 00	20 00
Apollo, scarlet	2 00	20 00
Norway, white	1 00	7 50
Governor Roosevelt, crimson	1 00	7 50
General Maceo, maroon	1 00	7 50
Dorothy, pink	1 00	7 50
Eldorado, yellow	80	5 00
Gold Nugget, yellow	1 00	7 50

Grown cool. Express paid at above figures. Cash

CALIFORNIA CARNATION CO.

LOOMIS, CAL.

LOOK HERE!

Carnation Cuttings

WELL ROOTED

From Extra Fine Stock.

	100	1000
Lillian Pond	$10.00	$75.00
Mrs. Lawson	3.00	25.00
Floriana	2.50	20.00
Mrs. Joost	2.00	15.00
Wm. Scott	1.25	10.00
Daybreak	1.50	12.50
Morning Glory	2.00	15.00
Queen Louise	2.50	20.00
Glacier	2.00	15.00
Lizzie McGowan	1.25	10.00
G. H. Crane	2.50	20.00
Gen. Maceo	2.00	15.00
Mrs. Bradt	3.00	25.00
Firefly	2.00	15.00

250 at 1000 rates.

ROSE PLANTS

All from grafted stock. Extra fine.

	100		100
Bridesmaid, 2½ in. pots	$3.00;	3 in.,	$3.50
Bride, 2½ in. pots	3.00;	3 in.,	3.50
Ivory, 2½ in. pots	3.50;	3 in.,	4.50

Immediate delivery. Cash with order.

JAMES E. BEACH,
2019 Park Avenue,
BRIDGEPORT, - - - CONN.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-grown plants. Send for list of varieties and prices. This is not left over stock, but stock raised especially for Fall sale—therefore very fine.

CHICAGO CARNATION CO., Joliet, Ill.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
Box 226.

Mention the Florists' Exchange when writing.

Ready.

The American Carnation

HOW TO GROW IT

By C. W. WARD

containing 300 pages of the most interesting and instructive information on the subject of carnation culture and everything connected with the plant ever presented, **is now ready for delivery.**

The book is handsomely printed and illustrated. It will prove a valuable addition to your library.

Order at once; price **$3.50**, carriage paid. Or send for free sample pages, giving synopsis of contents, index, list of illustrations, etc.

A. T. DE LA MARE PTG. & PUB. CO. Ltd.
2 DUANE STREET, NEW YORK.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, **$2 00** per doz.; **$12.00** per 100; **$28.50** per 250; **$55.00** per 500; **$100.00** per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

GOVERNOR LOWNDES

The finest White Carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was also recently awarded First Prize and Medal over all other whites at Cincinnati. Extra Fine Cuttings for delivery early in April, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Enchantress, Mrs. Theo. Roosevelt, Harlowarden, Sibyl, Marshall Field, President McKinley, White Bradt, Fragrance, $2.50 per doz.; $12.00 per 100; $100.00 per 1000.

Adonis, $3.00 per doz.; $14.00 per 100; $120.00 per 1000.

Her Majesty, $2.00 per doz.; $10.00 per 100; $80.00 per 1000.

Lillian Pond, $2.00 per doz.; $10.00 per 100; $76.00 per 1000.

Innocence, $6.00 per 100; $50.00 per 1000.

Other Leading, New and Standard Varieties,

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

Violet Plants

Marie Louise, healthy young plants from sand, rooted runners, $10.00 per 1000; $1.00 per 100.
Cash please.

R. KILBOURN, CLINTON, N. Y.

Mention the Florists' Exchange when writing.

DOUBLE VIOLETS

50,000 superb plants from soil, of the **New Imperial Violet**, dark blue, and the largest grown. Very prolific; $1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

Address the originator,

W. L. MINOR, BROCKTON, MASS.

Mention the Florists' Exchange when writing.

CARNATIONS—Rooted Cuttings

	Per 100	Per 1000
Wolcott	$5.00	$45.00
Apollo	6.00	50.00
Estelle	4.00	35.00
Cressbrook	4.00	35.00
Lawson	2.00	17.50

CHRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Weeks, Mayflower, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Goldmine, Golden Wedding Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100.

Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each. Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

ROSES Bride, Bridesmaid, Golden Gate, R. C. $1.50 per 100; $12.50 per 1000. Perle Meteor, $17.50 per 1000. Ivory, $20.00 per 1000. 2¼ in., $3.00 per 100; Ivory, $4.00.

Geraniums, splendid stock of best bedders, sturdy, cool-grown stock, 2½ in., $2.00; 3 in., $4.50; 4 in., $7.00 per 100. **Verbenas**, $2.50 per 100. Double fringed **Petunias**, 4 in., in bud and bloom, $6.00 per 100.

PANSIES, a superb stock, from the very highest priced seed, which we guarantee unsurpassed in the country. Large branchy plants, in bloom, $17.50 per 1000. **Worth it**; 100 per cent. profit in them at this price. Light packing.

W. H. GULLETT & SONS, LINCOLN, ILL.

Mention the Florists' Exchange when writing.

30,000 PANSIES

Jenning's Strain

Good strong plants, all in bloom.
Varieties the best.
$1.00 per 100; $8.00 per 1000.
Cash with order.

E. B. JENNINGS, Southport, Conn.

Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

CARNATIONS Fine Healthy Rooted Cuttings

	Per 100	per 1000
Mrs. T. W. Lawson	$2 50	$22 00
Hill Sport	1 50	12 50
G. H. Crane	2 00	17 50
Gov. Roosevelt	2 00	17 50
Norway	1 50	
Mrs. Bradt	3 00	
J. H. Manley	5 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings

	100	1000
Mrs. Theodore Roosevelt	$12.00	$100.00
Alpine Glow	8.00	75.00
Harry Fenn	6.00	50.00
Viola Allen	6.00	50.00
Challenger	5.00	40.00
Gaiety	6.00	50.00
Golden Beauty	6.00	50.00
Lorna	3.00	25.00
Prosperity	3.00	25.00
Floriana	3.00	25.00
Lillian Pond	10.00	
Her Majesty	10.00	
Marshall Field	12.00	
Gov. Lowndes	12.00	

THE COTTAGE GARDENS, Queens L. I., N. Y.

Mention the Florists' Exchange when writing.

VIOLETS

Now is a good time to get them out, and why not grow the best? La France leads them all; will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: **La France, $1.00 per 100; $8.00 per 1000. California, Princess of Wales and L. H. Campbell,** 75c. per 100; $5.00 per 1000. Add 15c. per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa.
Cash with order, please.

P. M. DE WITT, Bridgewater, Bucks Co. Pa.

Mention the Florists' Exchange when writing.

CANNAS

Started, $2.00 per 100; in pots, $5.00 per 100. Henderson, J. D. Eisele, Berat, Duke of Marlboro, Alsace, Allemania, Austria and Robusta.

GERANIUMS, Mme. Salleroi, in 2½ inch pots, $2.50 per 100. Also all standard varieties of Geraniums, 3 inch, $5.00; 3½ in., $6.00; 4 in., $7.00 per 100.
Cash with order.

J. B. SHURTLEFF & SON, Revere, Mass.
Telephone, 56-6. Cushman Avenue.

Mention the Florists' Exchange when writing.

GENISTA.

2½ in., per doz. 75 cts.; per 100, **$5.00.**

	Per doz.	Per 100
Abutilon Savitzii, 2½ in.	$0.75	$5.00
Pansy Pelargonium, 2½ in.	.75	5.00
Allamanda Williamsii, 2½ in.	.75	5.00
Clerodendron Fragrans, 2½ in.	.75	5.00
Kentia Belmoreana, 2½ in.	1.00	8.00
Araucaria Excelsa, 3 to 4 tiers	6.50	
Asparagus Sprengeri, 2½ in.		4.00
Carex Japonica, 2½ in.	.80	6.00
Geraniums (send for list)		2.50
Weeping Lantana	.45	3.00

The Conard & Jones Co.,
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries,
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

Roemer's Superb Prize Pansies

The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower,
QUEDLINBURG, GERMANY.

Mention the Florists' Exchange when writing.

PANSIES

A superior strain, 50 cts. per 100 (mail); $3.00 per 1000. Large, in bud and bloom, $1.00 per 100.

	Per 100
Mammoth Verbenas, in bud and bloom, 2¼ inch	$1.50
Geraniums, all colors, 4 inch	5.00
Fuchsias, all colors, 4 inch	5.00
Lobelias, all colors, 2¼ inch	1.50
Vinca Variegata, 4 in.	6.00
Petunia, single fringed, 2¼ in.	2.00

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **SHOW VARIETIES**, unsurpassed quality. Fine bushy plants, in bloom, $1.00 per 100; $8.00 per 1000.

Good stocky plants, coming in bud, $3.00 per 1000.

Bellis (Daisies). Largest double red and white, fine plants, in bud, $2.00 per 1000.

All the above, 500 at 1000 rates.

Gustav Pitzonka, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

Fine, large, transplanted plants from cold frame, prize strain, Bugnot, Cassier and Odier prize strains, 60c. per 100; $4.00 per 1000. Extra large plants, in bud and bloom, $1.00 per 100. Verbenas, R. C., 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., 75c. per 100; $5.00 per 1000. Asparagus, from flats, ready for potting: Sprengeri, $1.00 per 100; $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. **GERANIUMS,** Nutt, Grant, F. Perkins, La Favorite, 4 in., in bud and bloom, $6.00 per 100. Terms, Cash. **Hill Top Greenhouses,** 15-16 Gray Ave., Utica, N. Y.

Mention the Florists' Exchange when writing.

PANSIES

We offer to the Trade our superb strain of **PANSIES** in bud and bloom, September transplanted, fine large stocky plants, in choice mixed colors. A trial order will convince you they are the finest you ever bought.

$1.25 per 100; $10.00 per 1000.

CASH PLEASE.

500 at 1000 Rate.

POTTER & COUSINS,
West Boylston - - Mass.

Mention the Florists' Exchange when writing.

HYBRID PERPETUAL ROSES

in finest assortment, also Crimson Rambler, 2 year, dormant. Splendid plants in fine condition, 15c. cash. Order at once.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing

50,000 Fine Pansies In Bloom

Also **Double Daisies** and Blue **Forget-Me-Nots.** $1.25 per 100. Cash.

HENRY A. SMITH, Florist, Plymouth, Conn.

Mention the Florists' Exchange when writing.

PANSY PLANTS

$1.50 per 100.

VINCA VARIEGATA, $5.00 per 100.

CHRYSANTHEMUMS Bonnaffon, Robinson, Eaton, Appleton, Merry Xmas, Polly Rose, $1 50 per 100. Yellow Eaton, 50c; each; $5.00 per doz.

VIOLETS Lady Campbell, 75c per 100; $6.00 per 1000. California, 50c. per 100;

H. W. FIELD, Northampton, Mass.

Mention the Florists' Exchange when writing.

100,000 PANSIES (The Jennings Strain)

Fine stock, all transplanted.
(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100; 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.

Cash with order.

E. B. JENNINGS, Southport, Conn.
Lock box 254. Grower of the finest Pansies.

ROSES **American Beauty,** strictly first-class in every respect and as fine stock as we have ever offered. 2¼ inch, $6.00 per 100; $55.00 per 1000.

Bride and Bridesmaid, 2¼ inch, $3.00 per 100; $25.00 per 1000.

CARNATIONS ROOTED CUTTINGS

The fact that we are rooting 90 per cent. shows quality of our stock.

Prosperity, $3.00 per 100; $25.00 per 1000. **Roosevelt,** $3.00 per 100; 25.00 per 1000. **Cressbrook,** $3.50 per 100; $30.00 per 1000. **Mrs. Bradt,** $4.00 per 100; $35.00 per 1000. **Mrs. Lawson,** $3.00 per 100; $30.00 per 1000. **Golden Beauty,** $4.00 per 100; $35.00 per 1000. **Gen. Gomez,** $1.50 per 100; $15.00 per 1000. **Gen. Maceo,** $1.50 per 100; $15.00 per 1000. **Queen Louise,** $3.00 per 100; $25.00 per 1000. **Genevieve Lord,** $1.50 per 100; $12.50 per 1000. **James Dean,** $1.50 per 100; $12.50 per 1000. **Mrs. Joost,** $1.50 per 100; $12.50 per. 1000. **Eldorado,** $1.00 per 100; $8.00 per 1000. **Wm. Scott,** $1.00 per 100; $8.00 per 1000. **Norway,** $2.00 per 100; $15.00 per 1000. **Floriana,** $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in. Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

ENGLISH IVY 4 inch pots. 24 inches high, $1.00 per doz.; $7.50 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate,** 2 in. pots, $3.00 per 100. **Ivory,** $4.00 per 100. **Helen Gould,** $6.00 per 100. **Mrs. Oliver Ames,** $10.00 per 100. **Bridesmaid,** $3.00 per 100.

Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

FANCY | KAISERIN | ROSES

You want something that will bloom quickly and give you best results during the summer. Order a hundred of those fine 4 in. Kaiserins of Geo. A. Kuhl, now, and he will ship to your order. They will be ready May 20th. 2½ and 3 in. stock ready now.

GEO. A. KUHL, Pekin, Ill.

Mention the Florists' Exchange when writing.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes.

Write us for prices before ordering elsewhere.

ALSO MODEL EXTENSION CARNATION SUPPORT.

IGOE BROS., 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

ROSES from 5 inch pots at 15c., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Gen' Jacqueminot, La Reine, Crimson Rambler, La France, Coquette des Alps, etc. Large flowered Clematis, 2-year, dormant or from 5-inch pots at 18c; 1-year or from 3-inch pots at 9c. Finest purple, white, lavender and red sorts. Clematis Paniculata, 2-year, dormant, 6c; from 5-in. pots, 12c; extra, from 6-in. pots, 18c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N Y.

Mention the Florists' Exchange when writing.

ROSES

Two-year old, from 4 inch pots $8.00 per 100.

Princess Sagan, Pink and Yellow Rambler
Mme. Ernest Ducher
Climbing Marie Guillot
E. M. Henriette
Chromatella
Empress of China
Lamarque
Marie Guillott
Marie Ducher
Verte de Flora
Clothilde Soupert
Climbing White Pet
Mme. Cecile Brunner
Petite Leonie
Triumph Pernet Pere
Wichuraiana
Rainbow
Striped Malmaison
Prairie Queen
Papa Gontier
Mme. de Watteville
Mrs. Robert Peary
Climbing Wootton
Climbing Malmaison
Sombreuil
Climbing Soupert
Striped La France
Niphetos
Baltimore Belle
Beaute Inconstante
Climbing Bridesmaid
Jos. Schwartz
Purple China
Agrippina
Louis de la Rive
Seven Sisters
Le Pactole
Lady Warender
President
Mrs. DeGraw
Miss Wenn
Mary Washington
Mme. Schwaller
Lucullus
Golden Rambler
Manda's Triumph
Marquise de Vivens
J. B. Varonne
Sylph
The Queen
Duchesse de Brabant
Prince Bonnie
George Pernet
Jersey Beauty
Etoile d'Or
Mignonette
Perle d'Or
Princesse Marie Adelaide
Universal Favorite
Gruss an Teplitz
Bride
Marie Van Houtte
Catherine Mermet
Pink La France
Maman Cochet
Mme. Hoste
Souvenir de Wootton
Sunset
Hermosa
Bridesmaid
Yellow Soupert
Crimson Rambler
Golden Gate
Red La France
White Maman Cochet
Mme. Eli Lambert
Perle

H. P. ROSES $10.00 per 100

Captain Christy
General Jacqueminot
Magna Charta
Gloire de Margottin
Mme. Plantier
Coquette des Alpes
Louis Van Houtte
Clio
Anna de Diesbach
Gloire Lyonnaise
M. P. Wilder
Prince Camille de Rohan
Paul Neyron
Ulrich Brunner
Mme. Masson
Mme. Alfred Rougemont
Coquette des Blanches
Cumberland Belle

Extra Large **American Beauties,** from 5 inch pots at $15.00 per 100. 10 varieties of **Moss Roses** from 4 inch pots, red, white and pink, $6 00 per 100

NATIONAL PLANT CO., DAYTON, OHIO

Mention the Florists' Exchange when writing.

AMERICAN BEAUTIES

Young Plants from 2 by 3 inch Rose pots, ready to send out, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, WYNCOTE, PA.

Hybrid Perpetual Roses and Ramblers

IN LARGE VARIETY.

Ready for Planting in Field May 1st.

2½ in. pot plants, $4.00 per 100, $35.00 per 1000. **Dorothy Perkins,** $6.00 per 100

W. and T. SMITH CO., = = Geneva, N. Y.

PHILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.
QUEEN OF EDGELY (Pink American Beauty), out of 2½ in. pots.

We received First Prize for this Rose at the American Rose Society Show in Philadelphia, March, 1903.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
Kaiserin	4.00	35.00
Bridesmaid	4.00	35.00
Bride	$4.00	$35.00
Golden Gate	4.00	35.00
Perle	4.00	35.00
Sunrise	7.00	65.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail.

PETER REINBERG, 51 WABASH AVE.' CHICAGO, ILL.

Mention the Florists' Exchange when writing.

YOUNG ROSE PLANTS

Our GRAFTED plants are all selected stock and carefully grafted on flowering wood

			Per 100	Per 1000
GRAFTED BRIDE	2½	in pots	$10 00	
GRAFTED LIBERTY	2½	"	15 00	
BRIDE, own roots	2½	"	3 50	$25 00
BRIDESMAID, own roots	2½	"	3 50	25 00
GOLDEN GATE, own roots	2½	"	3 50	25 00
Extra fine KAISERIN	3	" 1 yr. old	10 00	
" " "	2½	"	5 00	

No plant order for less than 100 of a variety filled at the above prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN, 76 WABASH AVENUE, **Chicago, Ills.**

Mention the Florists' Exchange when writing.

The Philadelphia Wholesale Flower Market

1224 CHERRY STREET, PHILADELPHIA.

WE ARE HEADQUARTERS FOR GOOD

Bride, Bridesmaid and American Beauty Roses

Mention the Florists' Exchange when writing.

ASPIDISTRA

Green and Variegated. Fine stock. 4-in pots, 5 cts. per leaf.

CASH WITH ORDER.

CHAS. P. GULICK, Kingston, N. J.

Mention the Florists' Exchange when writing.

Double Fringed

PETUNIAS

A No. 1 collection of money makers, strong plants from 2 in. pots, $2.00 per 100. **Verbenas,** Mammoth Fancy Stray, 2 in., $1.50 per 100. Also **Geraniums, Chyrsanthemums, Heliotrope, Asters, Selaquiellas, Etc.**

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

Surplus Stock

CUT PRICES WHILE THEY LAST.

Hydrangea, Thos. Hogg and Monstrosa, strong 2½ in. extra fine, $2.50 per 100; $20.00 per 1000.

Violets, 2½ in., very fine, California, Prince of Wales, Luxonne, Lady Hume, Campbell, $2.00 per 100; $18.00 per 1000.

Clematis Paniculata, 3 years old, strong field-grown, $6.00 per 100.

Asparagus Sprengeri, 2½ in., $2.00 per 100; $18.00 per 1000.

Cypress Alternifolius (Umbrella Plant), $2.00 per 100; $18.00 per 1000.

Vinca Variegata, $2.00 per 100; $18.00 per 1000; 4 in. $6.00 per 100.

Achillea, The Pearl, $2.00 per 100.

Lemon, American Wonder, $2.50 per 100; $20.00 per 1000.

Daisy, 2½ in., white and yellow, $2.00 per 100.

Verbenas, 2½ in., $2.00 per 100; $18.00 per 1000.

Honeysuckle, golden leaved, Halleana and Chinese Evergreen, $2.00 per 100; $18.00 per 1000.

Lantanas, $2.00 per 100.

THE SPRINGFIELD FLORAL CO.

Reorganization of JNO. A. DOYLE & Co.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted.

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

GERANIUMS

Extra strong 3 inch pots, in bud and bloom, S. A. Nutt, Gen. Grant, Poitevine, Landry, Charlotte, Viaud, Montmort, Patters, Double Scarlet Dwarf for border, and other varieties. $4.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Hollyhocks

5000 FINE POT-GROWN PLANTS

Superb Double, in separate colors, $1.00 per 10; $6.00 per 100.

Choice Single, mixed colors, 75c. per 10; $5.00 per 100.

PROMPT SHIPMENT.

CASH, IF YOU PLEASE.

J. T. LOVETT

LITTLE SILVER, N. J.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100
500 Mme. Crozy Cannas, 3 in	$5 00
500 Mixed Cannas, 3 in	5 00
700 S. A. Nutt Geraniums, 3 in	4 00
" " " 4 in	6 00
Heliotrope, 3 in. pots	3 00
Petunias, grown from Dreer's Double Seed	3 00
Achyranthes, 2½ in pots	2 50

Cash With Order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

A SPLENDID LOT

	100
Of **DOUBLE and SINGLE GRANDIFLORA RUFFLED GIANT PETUNIAS,** 3 in	$3 00
DRACÆNAS, Indivisa and Australis, 15 to 18 in. high; 3 in.	5 00
COBÆA SCANDENS, 2½ in	2 50
SALVIA, Little Lord Fauntleroy, 2 in	2 00
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in	2 00
STOCKS, Snowflake, 2 in	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALED VARIETIES. VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1 00	8 00

Rooted Cuttings **CARNATIONS** Healthy Stock

	100	1000
Harry Fenn, J. H. Manley	$6.00	$50.00
Cressbrook, Golden Beauty	5.00	40.00
Lorna, Prosperity	3.50	30.00
Queen Louise, Estelle, Dorothy, Mrs. Lawson, Gold Nugget	3.00	25.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud	2.00	15.00
Alaska, Daybreak, Jahn's Scarlet	1.50	12.00

50 at 100; 500 at 1000 rates.

CANNAS.

STRONG, DORMANT TUBERS.

$2.00 per 100; $18.00 per 1000.

Alphonse Bouvier, Austria, Chicago, Comte de Bouchard, Creole, Chas. Henderson, Doyen Jo Sisley, F. R. Pierson, Florence Vaughan, J. C. Cabos, John White, Mlle. Berat, Manda's Ideal, Oriole, Pierson's Premier, Paul Bruant, Paul Marquant, Queen Charlotte, Sec. Chabanne, Thos. S. Ware.

Own Root **ROSES** Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. From 2¼ in. pots.
- **Bride, Bridesmaid, Golden Gate,** $12.00 per 100.
- **Liberty,** $15.00 per 100.

CHRYSANTHEMUMS

Strong, Rooted Cuttings.

Timothy Eaton, $2.50 per 100. Adula, Autumn Glory, Black Hawk, Col. D. Appleton, Dorothy Devens, Eureka, G. W. Childs, Idavan, Mme. Gastelier, Mrs. R McArthur, M. Wanamaker, Mrs. T L. Park, Polly Rose, Pink Ivory, Silver Wedding, Viviand-Morel, Xeno, $2.00 per 100, $17.00 per 1000. Cullingfordi, H. W. Reiman, Ivory, J. H. Woodford, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Mme. Fred Bergman, Niveus, Riverside, Rose Owen, Thos. H. Brown, $1.50 per 100; $14.00 per 1000.

MISCELLANEOUS.

	100	1000
Asparagus Plumosus Nanus, strong, from 4 in. pots	$12 00	
Asparagus Sprengeri, from 3 in. pots, strong	6 00	
Ageratum, Cope's Pet and White Cap, P. Pauline and Stella Gurney	1 00	$8 00
Coleus, best bedding and fancy sorts	1 00	8 00
Cuphea, Platycentra	1 25	10 00
Double Golden Marguerites	2 00	
Fuchsia, double and single	2 00	15 00
Feverfew	1 50	12 00
Heliotrope, light and dark	1 25	10 00
Ivy, German	1 50	
Moon Vines, true white	2 00	15 00
Salvias, Splendens, Bedman, etc	1 25	10 00
Smilax, strong plants, 3 inch pots	3 00	25 00

MANETTI STOCKS

In fine condition. For inside grafting.

No 1 grade, $9.00 per 1000; No 2 grade, $12.00 per 1000. Special rates on 10,000 lots.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS, elegant stock, out of 3 in. Poitevine, Montmort Ville de Porte, Pasteur, LaSoleil, Castellane, Landry, Jean Viaud, Doyle, Lafayette, J. J Harrison, $4.00 per 100. Out of 2¼ in., $1.00 per 100. Rooted cuttings, 50c. per 100.

CHRYSANTHEMUMS, rooted cuttings, good stock standard sorts, 50c. per 100.

ROSES from grafted stock, 2¼ in. Bridesmaid, Bride, Golden Gate, $2.00 per 100. CASH PLEASE.

HARRY DONNELLY, Rosebank, Sta. B, **Cincinnati, O.**

Mention the Florists' Exchange when writing.

SPECIAL—To Make Room

	Pots.	100
Dracæna Indivisa	4 in.	$8.00
Pelargoniums, 6 varieties	4 "	7.00
Geraniums	4 "	6.00
Geraniums	3 "	4.00
Verbenas	3 "	3.00
Verbenas	2½ "	1.75
Dwarf Alyssum, Coleus, Ageratum Blue Perfection	2½ "	2.00
Cannas, Charlotte, Henderson, Crozy, and others ....4 in. $6.00	3 "	4.00
Pansies, Trimardeau		1.00
Pansies Royal Exhibition		1.20
Dwarf Forget-Me-Nots		1.00

J. S. BLOOM, RIEGELSVILLE, PA.

Mention the Florists' Exchange when writing.

LOOK.

	Per 100
Spiræa, clean, fine plants, profuse spikes, 4 in. pots, $10.00; 5 in. $15.00; 6 in;, $25.00; 7 inch	$30 00
Dracæna Indivisa, 4 in. pots	15 00
Asparagus Sprengeri, 4 in. pots	15 00
Carnations, Ethel Crocker, 2½ in. pots	2 50
Vinca, Var. Major, 4 in. pots	15 00
English Ivy, 3 in. pots, $6.00; 4 in.	10 00
Lilium Harrisii, cut	6 00

Good, clean, strong plants, grown cool.

Cash with order. Satisfaction or money refunded; 'Phone.

LA ROCHE, Collingdale, Pa.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS. standard varieties, 2½ in., $2.50 per 100.

ASPARAGUS PLUMOSUS, Nanus, 2 in., $4.00 per 100; $35.00 per 1000.

FUCHSIAS, Little Beauty, 2 in., $3.00 per 100.

GERANIUMS, Mme. Salleroi, 3 in., $4.00 per 100.

COLEUS, in variety, 2½ in., $2.50 per 100.

BOSTON FERNS, 2½ in., $50.00 per 1000.

BOSTON FERNS, runners, strong, $35.00 per 1000.

CARL HAGENBURGER,

West Mentor, Ohio.

Mention the Florists' Exchange when writing.

50,000 CANNAS

Pot now. Nice started sound roots. $2.00 per 100; $15.00 per 1000.

Mme. Crozy, Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Chas. Henderson, Burbank, Austria.

Philadelphia, Golden Moon, Queen Charlotte, Canary Bird, Leopard, Duke Marlborough, $3.00 per 100.

Souvenir d' Antoine Crozy, 6 cts.; Gloriosa, 6 cts.; Rosemaur (pink), 8 cts; Maiden's Blush (pink), 8 cts.; Pink Beauty, 6 cts.; Unnamed, good colors, $1.25 per 100; Bronze Beauty, red leaved, 4 cts. 10,000 Potted Cannas in May and June.

VIOLETS 5000 Lady Hume Campbell, strong Fall runners, from soil, $1.00 per 100; $10.00 per 1000.

Vinca major var., 4 in., $5.00 per 100; 2½ in., $3.00 per 100.

1000 **Tritoma Uvaria,** field roots, $6 00 per 100.
1000 **Halleana Honeysuckle,** 4 cts.
1000 **Clematis Paniculata,** 2 years old, 5 cts.
1000 **English Ivy,** 2½ in., $3.00 per 100.
1000 **Hydrangea Paniculata,** 4 years, 15 cts.; 2 years, 8 cts.
1000 **Double Gen. Grant Geranium,** 2½ in., $2.00 per 100.
1000 **Caladiums,** large bulbs, 6 cts.; medium, 4 cts. Started in sand, 6 cts. and 8 cts.
5000 **Shrubs and Vines.** Send for list.

Cash please.

BENJAMIN CONNELL

WEST GROVE, PA.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties **Rooted Cuttings,** 60c. per 100; $5.00 per 1000; $45.00 per 10,000. **Plants,** $2.50 per 100; $20.00 per 1000.

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100. **IVORY, LIBERTY.** $18.00 per 100. **Send For Catalogue.**

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

FUCHSIAS, Double white, $2.50 per 100. **Mrs. E. G. Hill, Rosains Patrie, Mme. Vanderstrass, Glorie des Marches, Double Purple, Phenomenal, Avalanche.**

REX BEGONIAS, $3.00 per 100. **Robert George, Magnifica.**

Asparagus Plumosus, Extra fine, $3.00 per 100. **Sprengeri,** $2.50 per 100.

Moon Vines, White, $2.50 per 100. **Ferns,** **Maiden Hair, Pteris Serrulata,** $2 50 per 100.

Above are all good strong plants out of 2½ inch pots.

Pandanus Utilis, 4 in., $1.00 per doz.; 5 in., $1.50 " **Kentia Fosteriana,** 5 inch pots, $5.00 per doz.

SCHMIDT & BOTLEY, Springfield, Ohio

Mention the Florists' Exchange when writing.

AMERICAN BRAND FLORIST FOIL

THE STANDARD FOIL OF AMERICA.

PLAIN — EMBOSSED — VIOLET

...MADE BY...

The John J. Crooke Co.,

Established 1850.

155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.

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WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
Telephones: 2200 Madison Square, 2201 Madison Square
57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, May 1, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	10.00 to 20.00
	" extra	8.00 to 10.00
	" No. 1	4.00 to 6.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	8.00 to 20.00
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00
	" extra	3.00 to 5.00
	" No. 1	2.00 to 3.00
	" No. 2	1.00 to 2.00
	Golden Gate	2.00 to 8.00
	Liberty	2.00 to 10.00
	Meteor	.50 to 5.00
Adiantum		.35 to .75
" Croweanum		...... to 1.50
Asparagus		25.00 to 50.00
Callas		3.00 to 6.00
Cattleyas		80.00 to 40.00
Cypripediums		.... to ......
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	1.00 to 2.00
		Pink	1.00 to 2.00
		Red	1.00 to 2.00
		Yel. & Var.	1.00 to 2.00
	*Fancy—(*The highest grades of standard var.)	White	2.00 to 4.00
		Pink	2.00 to 4.00
		Red	2.00 to 4.00
		Yel. & Var.	2.00 to 4.00
	Novelties		4.00 to 5.00
Lilies			2.00 to 5.00
Lily of the Valley			3.00 to 5.00
Narcissus—Paper White			.50 to 1.00
" —Yellow			.50 to 1.50
Mignonette—ordinary			4.00 to 5.00
" fancy			6.00 to 8.00
Smilax			10.00 to 12.50
Stocks, per bunch			.30 to .50
Sweet Peas, per bunch			.04 to .08
Tulips			.15 to 1.00
Violets			...... to .20
" special			.25 to .50
Lilac, per bunch			1.00 to 1.25

WALTER F. SHERIDAN
Wholesale Commission Dealer in **Cut Flowers**
Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
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Receiving Daily Fine PRES. CARNOT KAISERINS METEORS BEAUTIES Etc.

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LIBERTIES **SAMUEL S. PENNOCK** BEAUTIES
1612-14-16-18 Ludlow St., Philadelphia
Mention the Florists' Exchange when writing.

Buffalo.

Jottings of Interest.

J. F. Cowell, of the South Park Botanic Gardens, who has been laid up more or less during recent months with rheumatism, is again actively overseeing matters. The Albright conservatory structure that had been presented to the city by the owner, J. J. Albright, of this city, has been erected on the former site of the growing houses and soon will be opened to the public. Chrysanthemums will occupy same from now forward. In the large general conservatories proper, the collections of anthuriums and fancy caladiums are brilliant and attractive. The musas, which are given a prominent position and space, have developed to large proportions. Appropriations from the municipality, for this year, promise to be of a larger amount than in recent years, so much needed work in general maintenance will no doubt be accomplished.

The prize list for the chrysanthemum show to be given this year by the H. A. Meldrum Company, a department store firm, is in the hands of the executive committee of the Buffalo Florists' Club, which body is co-operating in the matter to the extent of lending influence in managing details. The classes will be rather limited in number, but given to prizes of goodly amounts. No firsts less than $10.00 and some will be as high as $50.00. Some classes in cut roses and table decorations will be features. Chas. H. Keitsch will assume general management, including that of advance promoting details. VIDI.

East Aurora, N. Y.

It naturally becomes a pleasure to visit a place that seems run about right and on intelligent lines of management. Such is that of Wise Brothers, in this town, which as a suburb of Buffalo is rapidly growing, and to the result of an increasing retail business with this firm, though more or less of their high quality blooms are still disposed of at wholesale. Several houses of Imperial double violets were a noted success this season as regards quality and productiveness, commanding good prices, too. Quite a variety of carnations are on the benches. In white, Queen Louise proves a decided favorite, for profitable results. The soil here seems too light for The Marquis. Harry Fenn, J. H. Manley, Cressbrook and Dorothy have given good results, with Mrs. Lawson in every way satisfactory. A red seedling, once flowered, so far shows such good results as to justify a thorough trial. VIDI.

Batavia, N. Y.

Excepting some of his carnations turning out hardly profitable as a result of defects going with the stock out-of-doors, Paul Liebsch, of West Main street, has run his houses to good capacity this past season. His blooms are disposed of largely at wholesale, though the retail home trade begets attention. The prices realized this Winter were in the main satisfactory. Mignonette has been a specialty, now to be followed with bedding stocks. He recently purchased the ten-acre property on which he is located, and which from a real estate point of view looks like a profitable investment.

VIDI.

Utica, N. Y.

The News.

Peter Crowe is getting along finely in building his new place now after having had some little trouble with the striking carpenters which are all out here.

Frank Baker, president Utica Florists' Club, and Mr. Wilcox left this week for New York and vicinity to visit the growers. At out next meeting we shall hope to hear something of their trip.

T. A. Lord, of Lord & Burnham Co., was calling on the trade on Thursday last in the interest of building and ventilators.

Planting out here has not commenced as yet to any extent—too cold. We are having heavy frosts about every night.

We are to have a fine lecture, or illustrated talk, on plants by Professor Geo. C. Hodges at our next meeting, May 7. This should bring out every member of the club. At this meeting will also occur the election of officers for the ensuing year.

I hear that H. H. Nicholson, of Trenton, N. Y., will add two more houses to his plant this Summer. He grows carnations for the market.

I understand that J. T. Taylor, 196 Albany street, has sold his place and will move to Denver this Summer.

G. McGowan is bringing in some of the finest sweet peas seen in this market.

I saw at C. F. Seitzer's a very fine strain of pansies, and some grand white double petunias. E. F. Quinn, of Norwich, was in the city a few days ago. He says he is doing a fine business. He also remarked that he would have to join our florists' club, and we will put him through next meeting. We are bound to get in our club all the first-class florists within a radius of fifty miles; and we do not know but we might extend as far as Syracuse, as they have no club there. Our club was never in such a flourishing condition as at present. QUIZ.

[We are glad to hear it. Perhaps "Quiz" may tell us the cause of this gratifying condition in a future issue. —Ed.]

Springfield, Mass.

Dennis F. Murphy, formerly manager of the Murphy Company, florists, has severed his connection with the store, to accept a position in Boston. The store is now in charge of John Bolt.

PARKERSBURG, W. WA.—J. Dudley & Son say: Easter sales in cut flowers and plants, as well as prices obtained, exceeded those of any Easter we have had before.

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LEO NIESSEN, 1217 Arch St., Philadelphia.
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"Koral" HEADQUARTERS FOR Letters and Wire Designs
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GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Boston Apr. 22, 1903	Phil'delphia Apr. 28, 1903	Baltimore Apr. 21, 1903	Buffalo Apr. 28, 1903	Pittsburg Apr. 27, 1903
		A. BEAUTY, fancy—special	...... to 25.00	...... to	...... to	15.00 to 25.00	32.00 to 40.00
Roses		" extra	...... to 20.00	25.00 to 35.00	...... to	10.00 to 12.00	...... to 25.00
		" No. 1	8.00 to 16.00	12.00 to 16.00	20.00 to 25.00	6.00 to 8.00	...... to 16.00
		" Culls and Ordinary	1.50 to 6.00	..... to 6.00	6.00 to 16.00	2.00 to 3.00	4.00 to 8.00
		Queen of Edgely	8.00 to 25.00	12.50 to 32.00	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	...... to 8.00	...... to	..... to	..... to	...... to 12.00
		" extra	5.00 to 6.00	8.00 to 10.00	...... to	8.00 to 10.00	6.00 to 10.00
		" No. 1	3.00 to 4.00	5.00 to 6.00	6.00 to 8.00	5.00 to 6.00	3.00 to 5.00
		" No. 2	1.00 to 2.00	4.00 to 5.00	3.00 to 5.00	2 00 to 4.00	1.00 to 2.00
		Golden Gate	...... to	4.00 to 8.00	4.00 to 8.00	2.00 to 6.00	...... to ......
		K. A. Victoria	3.00 to 10.00	..... to	4.00 to 6.00	2.00 to 8.00	4.00 to 10.00
		Liberty	2.00 tc 12.00	6.00 to 25.00	3.00 to 8.00	2.00 to 8.00	6.00 to 12.00
		Meteor	2.00 to 6.00	...... to	3.00 to 8.00	2.00 to 8 00	4.00 to 6.00
		Perle	...... to	4.00 to 10.00	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00
		ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
		Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations		Inferior grades, all colors	...... to .50	...... to	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES	White	...... to 1.00	1.50 to 2.00	2.00 to 3.50	1.50 to 2.50	2.00 to 3.00
		Pink	...... to 1.00	1.50 to 2.00	2.00 to 3.50	1.50 to 2.50	2.00 to 2 50
		Red	...... to 1.00	1.50 to 2.00	2.00 to 2.50	1.50 to 2.50	1.50 to 2.50
		Yellow and var.	...... to 1.00	1.50 to 2.00	2.00 to 3.50	1.5 to 2.50	2.00 to 3.00
	*FANCY (*The highest grades of Standard var)	White	1.50 to 2.00	4.00 to 6.00	...... to	3.00 to 4.00	4.00 to 5.00
		Pink	...... to 1.50	4.00 to 6.00	..... to	3.00 to 4.00	3.00 to 4.00
		Red	...... to 1.50	4.00 to 6.00	...... to	3.00 to 4.00	...... to 3.00
		Yellow and var.	...... to 1.50	4.00 to 6.00	...... to	3.00 to 4.00	...... to 4.00
		NOVELTIES	2.00 to 3.00	...... to	...... to	5.00 to 8.00	... .. to ......
		ADIANTUM	...... to 1.00	...... to 1.00	..... to 1.00	.50 to 1.25	1.00 to 1.50
		ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 75.00	10.00 to 60.00	30.00 to 50.00
		CALLAS	6.00 to 8.00	...... to	8.00 to 10.00	8.00 to 10.00	6.00 to 12.00
		CHRYSANTHEMUMS	...... to	...... to	...... to	.... . to	..... to .....
		DAFFODILS	1.00 to 2.00	...... to	...... to .75	1.00 to 3.00	...... to ......
		DAISIES	...... to	.50 to 1.50	...... to	...... to	1.00 to 2.00
		GALAX LEAVES	...... to .10	...... to .10	...... to .10	.10 to .15	. .... to ......
		HYACINTHS	2.00 to 3.00	...... to	3.00 to 5.00	1.00 to 5.00	...... to ......
		LILAC	..... to	...... to 12.50	...... to	...... to	...... to ......
		LILIES	6.00 to 10.00	10.00 to 12.50	8.00 to 12.00	8.00 to 12.50	6.00 to 12 00
		LILY OF THE VALLEY	2.00 to 3.00	4.00 to 5.00	...... to 3.00	...... to	3.00 to 5.00
		MIGNONETTE—Ordinary	1.00 to 1.50	...... to	...... to 2.00	1.00 to 2.00	1.00 to 3.00
		" Fancy	2.00 to 3.00	..... to 3.00	...... to	3.00 to 5.00	.. ... to ......
		NARCISSUS	1.00 to 2.00	...... to	...... to	.50 to 1.00	...... to ......
		SMILAX	...... to	15.00 to 20.00	10.00 to 25.00	...... to 15.00	15.00 to 18.00
		STEVIA	...... to	...... to	...... to	...... to	..... to ......
		SWEET PEAS	...... to .75	1.00 to 1.50	...... to .75	.50 to 1.00	.50 to 1.25
		TULIPS	2.00 to 3.00	...... to	...... to	1.00 to 3.00	...... to ......
		VIOLETS	.50 to .75	...... to	...... to .35	.25 to .60	...... to .....

BOSTON, MASS.
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Mignonette
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Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.
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Violets
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ALSO DEALER IN FLORISTS' SUPPLIES AND WIRE DESIGNS
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TELEPHONE SENECA 620
Give Us A Trial. We Can Please You.
Mention the Florists' Exchange when writi

THE AMERICAN CARNATIO
Ready for delivery.
THE FLORISTS' EXCHANGE, 2 Duane Street, N.

Cincinnati.

ings.

We have only one complaint to r this week, and that is, that stock o scarce. Of course, the weather is blame, still we should not really plain, as this has been the best the florists have experienced in a time, notwithstanding the high e of coal and the unjust extra ges of the express companies.

M. Altick, of Dayton, O. (a sub- of Cincinnati), had an exciting ex- ence last week. Mr. Altick had attending "lodge," and upon his rn home at midnight found three glars ransacking his dining-room. showed his nerve by tackling the ch. Calling to his wife to bring his shotgun, the burglars took the and succeeded in putting two holes ugh his overcoat. They then made r escape. At last accounts blood- nds were on the track of the in- ers, and enough evidence had been red to swear out warrants for their st.

r. Ford, representing A. Hermann, York, was a caller.

m. Turner, foreman at the Park nhouses, has received his release; r changes in the Park Department r liable to occur. E. G. GILLETT.

Louisville, Ky.

s Notes.

Those florists who make a spe- y of bedding are now very busy, cially such as are situated near the ipal cemeteries.

iss Josie Schuh, with F. Walker & is ill with typhoid fever. Her erous friends in the craft wish her eedy recovery.

orge McKellar, a new-comer ng us, has opened a store on Mar- street, between Eleventh and lfth, for the retail sale of flowers. location is outside of the business r, and his experiment is being hed with much interest. Mr. Mc- ar is a brother of the well-known s. McKellar of Chicago.

cob Schulz had the misfortune to a valuable horse this week. While red near where Mr. Schulz was ng his carnations planted in the . the horse in some unaccountable ner became entangled in the rope, wing itself and breaking its back.

r. Endtz, of Endtz, Van Nes & Co., and, was a late caller, but seemed sfied with his success here.

A. R. B.

Cleveland.

s Notes.

The planting of carnations is the st this year that we have had for ng time; the continued cold and wet ther being the cause. But this k will see most of them planted.

ade has been very good since ter, and prices are yet at the holi- mark. Some lines of stock are hard to get. The F. R. Williams pany and Bate Bros. are sending in finest roses seen this season. Out- stock is coming in quite freely and ng better than in other years.

sper Aul, who was hurt in an ac- nt on the Saturday before Easter, etting along very nicely and is able e around some of the time.

lp in this city is at a premium and ot be had; big wages are offered out anyone to accept.

dding plants will not be in over- ply this season, and if the growers alive to their interests the prices be better than formerly.

G. W. S.

HOLTON & HUNKEL CO.
holesale Florists
and Florists' Supplies
Manufacturers of WIRE DESIGNS
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'Phone Main 874. P. O. Box 103

holesale Cut Flowers
and
Florists' Supplies
C. POLLWORTH CO.
MILWAUKEE, WIS.

Lapeer, Mich.

Arthur Watson returned from Chicago, April 15, and entered into partnership with his father. The firm name will now be W. H. Watson, Son & Co. The concern will devote 35,000 feet of glass to carnations, the balance of the 50,000 feet to propagating roses, asparagus, smilax and a variety of stock in lesser quantity.

This business had its origin in a soap box half full of sand, a few unrooted cuttings inserted and covered with an old four-lighted window sash. This was over 20 years ago. It now occupies, besides Mr. Watson's residence property, one and a half city blocks, house and barn, and over two acres devoted to growing carnation plants. The 50,000 feet of glass are heated by steam from a 150-hp. tubular boiler. A 100-hp. boiler is held in reserve for emergency

St. Louis.

The Week's News.

This is dedication week in this city, and our florists expect good trade in their line. With President Roosevelt, ex-President Cleveland, hundreds of prominent men from all over the country and other visitors by the thousand, attracted here by the World's Fair dedication, this should make us all hustle with receptions and dinner parties. A great many orders are already booked.

At the seating of the new members of the City Council the past week the desks of most of them were decorated with handsome bunches of American Beauty and other flowers.

The plant men at Union Market have had a very disastrous week, the weather being cold and wet. Many of the stands were closed up. The prevailing Spring-like weather has changed conditions considerably.

I called on some of the big seed houses and every one was crowded with buyers. From the looks of things all are doing a rushing business.

The Mayor has as yet not sent in the name of the new park commissioner with his other appointments, and the florists that are looking for the position of superintendent of parks, under the commissioner, are waiting to send in their applications to the new commissioner.

We read in the Edwardsville news in the daily papers that Fred Ammann was defeated for the office of Mayor; only a few votes were lacking to change his name from The Perle King to the Hon. Mayor of Edwardsville.

Fred Foster is making a great show Boyle and Maryland avenues, reports that trade has been very good in both cut flowers and plants. Fred has a very pretty store and a good location, it being in the best residence part of the city.

Fred Foster is making a great show of American Beauty in his window this week, and reports business first class.

The Riessen Floral Company report that they have been very busy since Easter with decorations and lots of funeral work. They have quite a number of receptions booked for this week.

ST. P.

Foley Floral Fotographs
Send for my Floral Album. size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.
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CUT FLOWER BOXES
WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0. -3x4x20	$2.00	$18.00	5 —4x8x22	$3.00	$27.50
1. 3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29 00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

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Box 102, COLUMBUS, O.
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J. B. DEAMUD
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
51 and 53 Wabash Ave., CHICAGO

McKELLAR & WINTERSON
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Apr. 21, '03	St. Louis Apr. 21, '03	Cincinnati Apr. 28, '03	Milwaukee Apr. 28, '03	Detroit Apr. 22, '03
	A. BEAUTY, fancy—special	...... to 24.00	...... to 40.00	...... to 25.00	...... to 25.00	...... to 24.00
Roses	" extra	18.00 to 20.00	25.00 to 35.00	...... to 20.00	15.00 to 18.00	18.00 to 20.00
	" No. 1	12.00 to 18.00	10.00 to 20.00	12 00 to 16 00	10.00 to 12.50	12.50 to 18.00
	" Culls and Ordinary	6.00 to 10.00	3.00 to 8.00	5.00 to 8.00	4.00 to 6.00	6.00 to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to 8.00	...... to 8.00	...... to 8.00	...... to 8 00	6.00 to 8.00
	" extra	5.00 to 6.00	...... to 6.00	6 00 to 7 00	...... to 6.00	5.00 to 6.00
	" No. 1	4.00 to 5.00	4.00 to 5.00	...... to 5.00	...... to 4.00	4.00 to 5.00
	" No. 2	...... to	...... to 3.00	3.00 to 4.00	...... to 2.00	...... to ......
	Golden Gate	4.00 to 8.00	4.00 to 6.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
	K. A. Victoria	...... to	4.00 to 6.00	...... to	4.00 to 6.00	...... to ......
	Liberty	4.00 to 25.00	3.00 to 6.00	4.00 to 15.00	4.00 to 8.00	...... to ......
	Meteor	4.00 to 8.00	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00	4.00 to 8.00
	Perle	4.00 to 6.00	3.00 to 5.00	...... to	4 00 to 6.00	4.00 to 6.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to ......
	Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	1.50 to 2.00	...... to 1.50	...... to	...... to	1.50 to 2.00
	STANDARD VARIETIES White	2.50 to 3.00	2.00 to 2.50	2.00 to 2.50	1.50 to 2 00	2.50 to 3.00
	Pink	1.50 to 3.00	2.00 to 2.50	2.00 to 2.50	1.50 to 2.00	1.50 to 3.00
	Red	1.50 to 3.00	2.00 to 2.50	2.00 to 2.50	1.50 to 2.00	1.50 to 3.00
	Yellow and Var,	1.50 to 3.00	2.00 to 2.50	.. .. to ..	1.50 to 2.00	1.50 to 3.00
	*FANCY— (*The highest grades of standard var) White	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	Pink	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	Red	2.50 to 3.00	3.00 to 4.00	3.00 to 4.00	3 00 to 4 00	2.50 to 3.00
	Yellow and Var.	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4 00	3.00 to 4.00
	NOVELTIES	5.00 to 6.00	...... to	...... to	...... to	...... to ......
	ADIANTUM	.75 to 1.00	1.00 to 1.25	...... to 1.50	...... to	.75 to 1.00
	ASPARAGUS	25.00 to 75.00	10.00 to 30.00	30.00 to 50 00	20.00 to 40.00	25.00 to 80.00
	CALLAS	6.00 to 8.00	8.00 to 12.50	...... to 10.00	8.00 to 10.00	6.00 to 8.00
	CHRYSANTHEMUMS	...... to	...... to	...... to	...... to	...... to ......
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	.50 to 1.50	...... to .50	...... to .50	...... to .50	.50 to 1.50
	GALAX LEAVES	...... to .15	...... to .15	...... to .15	...... to .20	...... to .15
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILAC	1.40 to 3 00	2.00 to 4.00	...... to	...... to	...... to ......
	LILIES	6.00 to 10.00	8.00 to 12.50	...... to 12.00	...... to 8.00	6.00 to 10.00
	LILY OF THE VALLEY	3.00 to 5.00	3.00 to 4.00	...... to 4.00	...... to 3 00	3.00 to 5.00
	MIGNONETTE—Ordinary	3.00 to 4.00	...... to	...... to	...... to	3.00 to 4.00
	" Fancy	5.00 to 6.00	...... to	...... to	...... to	5.00 to 6.00
	NARCISSUS	...... to	...... to	...... to	...... to	...... to ......
	SMILAX	10.00 to 15.00	...... to 15.00	...... to 15.00	...... to 25.00	10.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	1.00 to 1.50	.50 to .75	.75 to 1.00	.50 to 1.00	1.00 to 1.50
	TULIPS	2.50 to 5.00	...... to	...... to	...... to 3.00	2.00 to 5.00
	VIOLETS	.50 to 1.25	...... to	...... to	...... to 1.00	.50 to 1.25

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1500	2½ " "	6.00	48	9 in. pots in crate,	$3.60
1000	3 " "	5.00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3.60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4.51	12	14 " "	4.80
144	6 " "	3.16	6	16 " "	4.50

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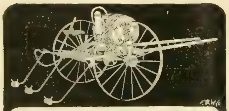

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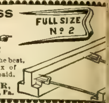

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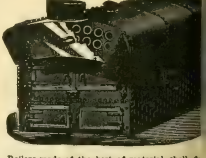

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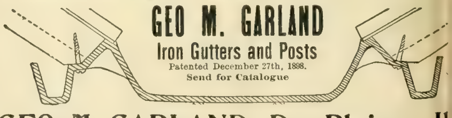

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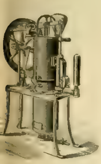
Effect of Electricity on Plant Life.

It has ever been a matter of speculation with me just why a rain will help plants so much more than any form of artificial watering. The popular theory is that when water is applied to vegetation by the latter method the heat of the sun causes a kind of steam to form, which scorches it. This is obviously incorrect. My own conclusion is that rain stimulates the plants on which it falls because it is charged with electricity, and that the mere wetting of a plant has little effect on it. A few weeks ago I was reading of an experiment that confirms my view, and incidentally suggests an idea which, if carried into execution, might prove of universal value. It appears that some experimenter passed a current of electricity through some pots in which plants were growing, with the effect that they showed a decided gain in size and fertility over those not so treated. The difference, if I remember aright, was forty per cent. Now, why would it not do to apply water electrically charged to the vegetation, and thus simulate as could be Nature's method? The water could be placed in a vessel from which the electricity could not escape—an insulated barrel, for instance, or a pail bottomed with rubber or glass. After the water was charged it could be applied with the aid of an ordinary rubber hose, with a nonconducting nozzle, and that would be all that was necessary. Now, I am not an electrician, and have not the means of trying this experiment myself; but if some experimenter would follow my suggestion, I believe discoveries of great practical value might be made.—C. Haley (in "Scientific American.")

ALPENA, MICH.—William Jones is contemplating improvements and the building of an extension to his greenhouses. He has disposed of his fruit farm, and will devote his entire time to the cultivation of flowers.



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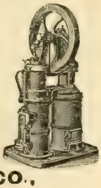

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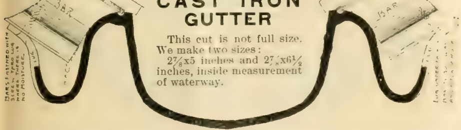

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No rotting at the ends of bars. The end wood is not punctured. Bars always have erfect bearing, and the drip falls free into drip conductor.
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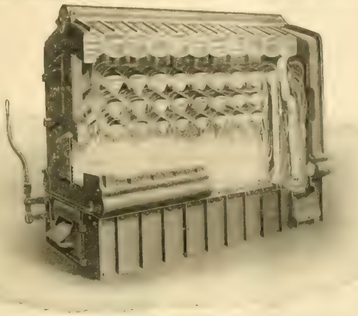

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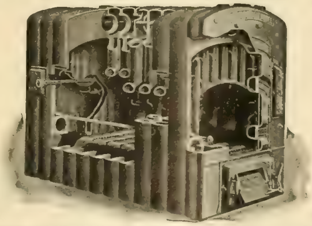

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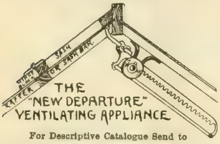
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	In. pots	doz.	100
Sprengeri	3	$0.75	$5.00
"	2	.50	3.00
Ageratum, dwarf, blue and white	2½	.50	3.00
" variegated	2½	.50	3.00
Anthericum variegatum	3	.75	5.00
Abutilon Savitzii	2	.50	3.00
Bouvardias, white, scarlet and pink	2½	.50	3.00
Carnations, Wm. Scott and Lizzie McGowan, hardened off in cold frames, from soil, $15.00 per 1000; $2.00 per 100.			
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Ivy, English, hardy strong plants	4	1.50	10.00
Ivy, Parlor	2½	.50	3.00
Periwinkle, variegated	4	1.50	10.00
Pansies, strong plants in bloom		.35	2.50
Salvias, Bonfire	2½	.50	3.00
Shasta Daisy	3	.75	5.00
Tropæolum, double dwarf	2½	.50	3.00
Verbenas, named varieties	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
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Moon Vines, strong	2½	.50	3.00

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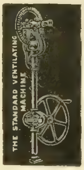

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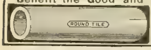

and make the whole farm productive by using our **Agricultural Drain Tile**, the leading tiling goods of the country. Manufactured 50 years. Prevents soils souring, winter freezing, washings, malaria, gives you fertile mellow soil. Also manufacture long line of other clay goods. Send for free book on drainage. Most valuable for low or level land owners. Write me for catalog and prices. **JOHN H. JACKSON, 50 3rd Ave., Albany, N. Y.**

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MANUFACTURER OF

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CLEAR CYPRESS ABSOLUTELY FREE OF SAP

POSSIBLY you have heard of Cypress material that failed to last.

Such Cypress invariably is furnished by parties who have no knowledge of the peculiar requirements of greenhouse material.

We have made greenhouse construction a special study.

Our lumber is selected with the greatest of care, our material is guaranteed perfect and strictly up-to-date.

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JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 TO 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
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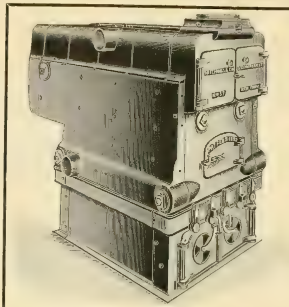

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Send 4 cents for Illustrated Catalogu

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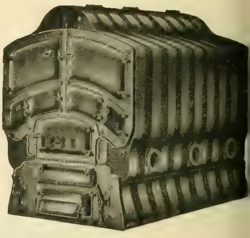

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Iron and Cypress Framed Greenhouses
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Greenhouse Material and Specialties

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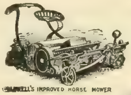
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LAWN MOWERS
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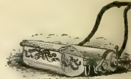
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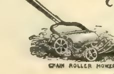
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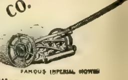
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We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

ol. XV. No. 19 | NEW YORK, MAY 9, 1903 | One Dollar Per Year

you want the best paying crop that you can plant for Summer, plant

HE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The and has been so great and our advance sales so large that we have not offered it ntly, having only just completed filling our advance orders. We have a nice lot of ng stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, there is sure to be a tremendous demand for it another season when it can be offered ower prices. **Now is the time to invest** in it and get the benefit of the endous demand and good prices which are sure to prevail another season.

The **BOSTON FERN,** although it has been cultivated many years, is still scarce. Nephrolepis Piersoni will sell better and be in greater demand even than the Boston , we predict a scarcity of Nephrolepis Piersoni for several years to come and at big es. Owing to the great and continued demand, we do not expect to be more than to meet the demand this spring, so that customers can rest assured that there will o change in price this season.

offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants 30 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

ra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall le, and they are also very nice for immediate sales.

R. PIERSON CO., Tarrytown-on-Hudson, New York

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GRAFTED ROSES

BRIDE	$15.00 per 100
BRIDESMAID	$120.00 per 1000
LIBERTY	$18.00 per 100

Own Root Stock

FROM 2¼ IN. POTS.

BRIDE **BRIDESMAID** **METEOR**	$4.00 per 100 $35.00 per 1000

Extra fine BRIDE and BRIDESMAID, 3½ in pots,
$7.00 per 100; $60.00 per 1000.

. H. ELLIOTT, Brighton, Mass.

CANNAS STARTED IN FLATS

Ready for Planting Out; Strong and Healthy.

50 plants of one kind in a flat	$1.40 per flat; $25.00 per 1000
Assorted kinds	.50 per doz.; 3.00 per 100

Varieties as follows: **Queen Charlotte, Mme. Crozy, Paul Marquant, Shenandoah Burbank, Chas. Henderson, Alphonse Bouvier, Peachblow, Alsace, Florence Vaughan Italia, Queen Charlotte, Flamingo, Austria.**

DORMANT CANNAS

of above sorts, large pieces, three and more eyes, 25cts. per dozen; $1.50 per 100; $12.50 per 1000.

TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50

(Worth and sold elsewhere for $6.50)

Consists of 50 each **Shenandoah**, dark foliage, large pink flower; **Chas. Henderson**, crimson; **Mme. Crozy**, scarlet, gilt edge; **Florence Vaughan**, yellow, red spots; **Paul Marquant**, salmon pink.

CYCAS STEMS

Dry stems, fresh imported, true long leaf variety, now ready in cases containing 350 lbs. stems of any weight, suitable to customers' requirements. Per lb., 7½ cts.

In whole case lots, 7 cts. per lb.

TUBEROSE, The Pearl

4 inch bulbs. All will flower. 35 cts. per 100; $2.50 per 1000 in bbl. lots of about 1500.

DAHLIAS Large Field Roots

	Per 100	Per 1000
Named varieties, Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35 00
Separate colors, pink, red, yellow and white	4.50	40.00

CALADIUM ESCULENTUM

All with Center Shoots.	Per 100	Per 1000
6 to 8 inch	$2.00	$15.00
8 to 10 inch	3.50	30.00
10 to 12 inch	6.50	50.00
12 inch and over	15.00	

PALM SEEDS

NEW SHIPMENT JUST TO HAND.

Pandanus Utilus Seed,	$1.00 per 100;	$7 50 per 1000;	$35.00 per 5000
Codos Weddelliana,	1.00 "	8.00 "	35.00 "

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Millions of Hardy Herbaceous Plants in all the finest Varieties.

Refer to our Wholesale Catalogue. Special Prices for Large Quantities.

RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-28 "	"	12 00
28-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

EVERGREENS, We have a very large collection of all kinds, including Abies, Blue Spruce, Retinospora, English and Irish Yews, Cupressus, Thuya, Pinus, Juniperus, Cedrus, etc. Ask for a list of general varieties.

5000 BOXWOOD in all sizes.

VINES, Clematis, large flowering varieties, 3 years old, Dutchman's Pipe, Belgian Honeysuckle, Wistaria, Silk Vine, Ampelopsis Engelmanni, Quinquefolia, Trumpet Vine, Akebia Quinata, Actinidia polygama. All these vines, strong plants, from 5 to 8 ft., per doz., $3.00; per 100, $30.00. Lonicera Halleana, per doz., $1.00; per 100, $8.00. Clematis Paniculata, per doz., $1.00; per 100, $10.00. Lonicera reticulata, per 100, $10.00. Ampelopsis, 2 in., per 100, $8.00; 2½ in. pots, per 100, $10.00; 3 in., per 100, $12.00.

FICUS Rubber Plants, top cuttings, $15.00 per 100; $135.00 per 1000.

JAPAN MAPLES, 2 yrs. old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

KALMIAS (Mountain Laurel), $50.00, $75.00 and $100.00 per 100.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

AUCUBA JAPONICA, 12-15 in., per doz., $2.50; 15-18 in., per doz., $3.50. **VARIEGATA,** 18-24 in., per doz., $5.00.

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

ROSES. Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

1500 BAY TREES in all sizes.

BULBS FOR OUTDOOR PLANTING.

	Per 1000
TUBEROSES, selected bulbs, 3-4 in	$4.00
CALADIUM ESCULENTUM Elephant Ears	
Bulbs, 6-8 in.	14.50
" 8-10 in.	22.50
" 10-12 in.	45.00
DAHLIAS, show, mixed, all colors, double	35.00

GLADIOLUS—	Per 100	1000
Brenchleyensis	$1.00	$8.00
Isaac Buchanan	3.50	
May	2.50	
Lemoine's Hybrids	2.50	20.00
Pink Shades	2.00	15.00
Scarlet and Crimson	1.00	8.00
White and Light	2.25	20.00
Yellow	3.00	25.00

HARDY JAPAN LILIES.

	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in	5 50	45 00
" " 9-11 in	7 00	65 00
ALBUM, 8-9 in.	$5 50	$50 00
" 9-11 in.	7 00	60 00
MELPOMENE, 7-9 in	6 50	60 00
" 9-10 in	9 50	80 00

We have large quantities of other Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J.

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Caladiums Medium size bulbs, $5.00 per 100.

Cinnamon Vines Large roots, $2.50 per 100.

Madeira Vines Extra large roots, $2.00 per 100.

Begonias Single red, yellow, orange and rose separate colors, $3.50 per 100.

Tuberoses $1.00 per 100; $9.00 per 1000.

W. ELLIOTT & SONS,
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MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

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JAMES VICK'S SONS
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LILIUM HARRISII and LONGIFLORUM

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

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LONG ISLAND GROWN
CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

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This cut is reproduced from a photo of one of my fields, taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

JAPAN BAMBOO CANES

The best in the market. Can be used 3 to 4 years, as they do not rot.

$6.00 per 1000, $27.50 for 5000.

HYACINTH STAK

Just the stake for tying Hyacinths, Fuchs and pot plants, 18 inches long.

Natural, $1.25 per 1000; Dyed Green, $1.75 per

STUMPP & WALTER CO., 50 BARCLAY
NEW YORK,
BRANCH, 404 EAST 34TH ST.

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Fresh Smilax Seed in June

Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam.	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
VENTURA-BY-THE-SEA, CALIFORNIA.

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20,000 DAHLIA

Strong whole field-grown roots, in 50 best $4.00 per 100; $36.00 per 1000; send for list. whole roots, in separate colors, white, pink, re yellow, $3.50 per 100; $30.00 per 1000; fine m all colors. These mixtures contain fine nam rieties, all double, show, cactus and pompon, per 100; $.5.00 per 1000. Satisfaction guarant

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SPECIAL CLEARANCE OFFE

	100	1
TUBEROSES, Excelsior Pearl, 3-4 inch up	$0.30	$
GLADIOLI All White and Light	1.25	10
GLADIOLI Rose	1.00	8
GLADIOLI Groff's Hybrids	1.75	15
GLADIOLI Finest Mixture in market	.85	
CYCAS REVOLUTA, 1-10 lbs.	10 lbs., $1.00;	100 lbs., $

H. H. BERGER & CO., 47 Barclay Street, NEW YO

TUBEROSES The True Dwa Excelsior Pea

Extra Fine Stock, 4-6 in. circumference	$7.00 per 1000
Good Flowering Stock, ¾ in. "	3.00 "

Prices hold good while stock lasts.

Just Arrived:

BAY TREES, PYRAMIDS and STANDAR
LATANIAS, PHŒNIX, KENTIAS

In all Sizes and Prices. Further Particulars given by

F. W. O. SCHMITZ, Prince Bay, N.

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TUBEROSE BULB

Dwarf Excelsior Pearl

Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% count for cash with order.

Our stock of Excelsior Pearl has b bred up by many years of careful se tion from bulbs producing the shor stalks with full heads of double flow

	Per 100	Per
Medium Size, 3 to 4-in.	$0 50	$3
First Size, 4 to 6-in.	90	8
Mammoth Bulbs, 6 to 8-in.	1 50	10

CALADIUM ESCULENTUM, with center shoots.

	Per
5 to 7-in.	$2
7 to 9-in.	3
9 to 12 in.	6
12-in. and up	13

FORCING BULB

Our arrangement for high grade bu of French Romans, Paper White Gran flora, Callas, Japan Longiflorum, Lon Market Valley and picked bulbs of all Du Hyacinths, Tulips, Narcissus and Spi are unexcelled.

Bulbs secured from us will be subj to careful inspection and approval arrival, and if in any way unsatisfacto will be made good at once.

Write for prices before closing any forcing stock order.

NEW YORK: 14 Barclay St. **VAUGHAN'S SEED STORE** CHICAGO: 84-86 Randolph

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TUBEROSES

DWARF, EXCELSIOR, PEARL. Mammoth Bulbs.

-6 inches and over . . . . $0 85 per 100; $7 00 per 1000
-4 " . . . . 0 50 " " 3 00 " "

New Gladiolus—PRINCEPS

A Hybrid of the rare Cruentus and Childsii seedling. Flowers measure 5 to 7 inches across. Color, dazzling scarlet, with cream white feathering on lower petals. For massing is unsurpassed. We offer a limited stock, to introduce, at 35c. each; $3.75 per doz.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

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NEW CROP SMILAX SEED

will be ready for delivery in July. A short supply is probable on account of injury to the flowers by the late frosts in the few localities where Smilax can be successfully grown for seed. By booking now for future delivery, we feel confident you can secure better figures than it will be possible to give later in the season. Write for prices, stating quantity you can use.

COX SEED COMPANY, SEED GROWERS, San Francisco, Cal.

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GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

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United States Grower and Representative of Groff's Hybrids.

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Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST ARRIVED

Cycas Revoluta Stems

Assorted sizes, running from 3 to 20 pounds each.

10 pounds and over........12c. per lb.
25 " " " ....10c. "
50 " " " ....9c. "
100 " " " ....8c. "

J. M. THORBURN & CO.
36 Cortlandt St. New York

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PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.
Dahlia Specialist.

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BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : : :

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BEAULIEU'S

HARDY WHITE ONION

Ounce, 20c; pound, $2.00. Send for testimonials. On page 85 of Greiner's "New Onion Culture," appears an account of this Onion. Special Offer. Every purchaser of one or more pounds of seed can have a copy of this new book, free. Pansy Seed as usual.

BEAULIEU, Woodhaven, N.Y.

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REED & KELLER

122 West 25th St, New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$1 10	$1 25	$1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**

NOVELTIES CONSTANTLY ON HAND.

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AMELOPSIS VEITCHII XXX

AMPELOPSIS VEITCHII, X .... $8.00 per 100
" " XX .... 10.00 per 100
" " XXX .... 12.00 per 100

These plants are all dormant and in excellent condition.

ROSES A fine lot of H. P., H. T. and Climbing, out of 2½ in. pots. Prices on application. H. T. Roses, 4 in. pots .... $10.00 per 100

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

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FLORISTS FLOWER SEEDS

VEGETABLE SEEDS in bulk.

Illustrated Catalogue.

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114 Chambers St., NEW YORK.

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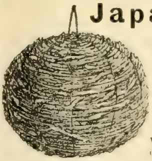

Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St

Mention the Florists' Exchange when writing.

"CYCAS REVOLUTA"

FRESH STOCK

From 2 to 6 lbs., 25 lbs. $2.50; per 100 lbs., $8.00.

Asparagus Plumosus Nanus Seed.

There is still time to sow FRESH SEED which we offer. 90c. per 100; $7.50 per 1000.

Catalogue mailed on request.

Henry F. Michell, 1018 Market St., Phil.,
Seed Growers and Importers.

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DREER'S

AQUATIC PLANTS

Hardy and Tender Nymphæas, Nelumbiums in Variety, Victorias, Etc.

We are Headquarters for all kinds of Aquatic Plants.

NOW IS THE TIME TO PLANT.

Write us for information if you are uncertain as to what or how to plant.

HENRY A. DREER
PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

CANNAS

Our Stock is true to name, extra selected, 2, 3, 4 eyed roots.

	100		100
Alphonse Bouvier	$2.00	Italia	$2.50
Austria	1.50	John White	2.00
Allemania	3.00	Mme. Crozy	1.50
Alba rosea	2.00	Mrs. Kate Gray, new	6.00
Burbank	1.50	Paul Marquant	1.50
Black Prince	2.00	President McKinley	2.50
Black Beauty, new	8.00	President Cleveland	2.00
Coronet	1.50	Robusta, bronze leaf	2.00
Comte de Bouchard	2.50	Secretaire Chabanne	2.00
Duke of Marlborough	3.00	Finest Mixture, 1000 $10.00	1.00
Egandale, red leaf	3.00		
Florence Vaughan	2.50		

DAHLIAS

Field-grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O.,
BALTIMORE MD.

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Cycas Stems

100 LBS. @ 8
200 LBS. @ 7½
500 LBS. @ 7

NEW STOCK ALL SIZES

Prices:

VAUGHAN'S SEED STORE,
14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST, CHICAGO

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Ready. Write for sample pages.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

SEED TRADE REPORT

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice President; C. S. Burge, Toledo, Ohio, Second Vice President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

ROCKFORD, ILL.—The Buckbee Seed Company has broken ground for the erection of a new four-story building, of stone and brick, covering 180 x 60 feet.

FRENCH BULBS. We are advised, says the Horticultural Advertiser (Eng.), that buyers will do well not to be too hasty in placing their orders for Roman hyacinths, these are at present quoted 20 per cent. dearer than last year's prices and seeing how badly last year's bulbs bloomed, retailers will have great difficulty in advancing their prices without materially curtailing their sales, added to which the 20 per cent. rise is not warranted by the state of the crop, and prices will probably fall next month.

Seed Growing on Long Island.

It is an axiom that extremes follow each other; that drought and deluge, heat and cold, prosperity and adversity, follow each other, about as surely and regularly as night and day. These strange contrasts present themselves visibly, in the appearance of the seed crops this year, in comparison with those at the same time last year. Last year there was a feast, now a famine threatens us.

The cabbage seed crop is about the only one of importance; at least it is the leading one in this section. Last year it was nearly, if not fully, three times an average one, which was to a great extent taken up in filling the deficits of the two previous years, which enabled the dealers to lay in a part of what might be required in case of another deficiency. A wise precaution, as, with the exception of a few kinds that are now held from last year's surplus, the prospect is indeed poor.

There was fully as much contracted for this as for last year's crop. One-half or nearly that, did not, owing to unfavorable climatic conditions, make a growth with sufficient vitality to winter over. And when the trenches

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CALIFORNIA PRIVET, 18 to 24 in., very bushy, $20.00 per 1000.

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were opened this Spring very much, even of the best grown stocks, were found to have rotted badly. What survived were set under the most favorable conditions; since then the cold, dry weather has prevented the plants making other than a stunted growth, which is most unfavorable for a seed crop. Those most familiar with the industry do not expect half a crop from the plants set; or about one-fourth of an average crop; and it will require the most favorable weather from this time forward to produce that. All crops are suffering from cold and drought.

Kale is also a crop of considerable importance here, and is now suffering from cold and drought. It wintered finely and gave promise of a large yield, but it is now coming into flower and not half as tall and branching as it should be. The Siberian is looking better than the Scotch.

Ruta bagas are much in the same condition as the kale—backward and spindling. Unless we have rain very soon these crops will be very light.

Spinach has hardly made a start and cannot until we have rain. It is, however, too early to make predictions regarding spinach, as favorable weather will give us a crop.

European Notes.

It is with regret that I am unable to chronicle any better news from our side this week; on the contrary, matters appear to be growing worse and the cold spell farther than ever from ceasing. There has been, at the same time, in most districts, an absolute drought for three weeks, which at this season is very serious.

Since the beets were planted in the west of France no rain has fallen, and the roots have either withered or rotted as a result of being frost-bitten; the whole district having been visited by frosts for quite fourteen days. Cabbages and turnips in the same district are also suffering badly.

Many fears are arising in regard to the English cabbage crops. The weather is entirely opposed to fertilization, and as a consequence many plants are running blind; the blossoms falling early and leaving no pods. The frost, also, is severely punishing them, for being full of sap they were only a too easy prey to the cold night frosts.

Turnips and Swedes on all sides are having their heads cut down and blackened, and many of them have been practically killed. A few growers have already cut off the tops, but I fear they have commenced too soon and may now lose all by exposing an open wound to the enemy—frost.

So far south as Italy night frosts have prevailed and the proverbial oldest inhabitant cannot recall such weather at this time of the year. Sowings of zinnias, balsams and other annuals; tomatoes, egg plants, peppers, etc., which were made at the beginning of April and doing well, have all been destroyed, and are now being resown three weeks later. Plants of centaurea, godetia, etc., planted out at the same time, have been very badly punished, and crops will necessarily be somewhat shortened.

EUROPEAN SEEDS.

German Seed Notes.

The month of April has been very unfavorable up to the 23d in the seed center of Germany. The early and Summer radishes, as well as the Autumn and Winter sorts, also cress, onions sown for next year, several sorts of cabbage and spinach, have all suffered from the night frosts, more or less, according to their degree of development. The early flowering fruit trees were also badly hurt in many districts of the Empire.

For two days, on the 19th and 20th of April, a very heavy storm swept over Germany and did much damage to trees. Many growers had their cultures of turnip, Swedes, and kohl-rabi destroyed, and are to plow them under. New sowings will, of course, be made as far as possible.

GERMAN SEEDS.

Bermuda Lily Notes.

F. H. Henry, of the firm of Henry & Lee, bulb importers, arrived in New York on Saturday from Bermuda, where he has been looking over the fields of Lilium Harrisii. It is Mr. Henry's opinion that the current crop of L. Harrisii bulbs will be 25 per cent. less than last year, though the quality will be fully up to last year's standard. The disease is being eradicated and it is noticeable that the bulbs in the fields have flowered earlier than usual this year. Forcing bulbs will be ready for shipping to New York by the first boat in July.

Mr. Henry further stated that the prices for good quality bulbs will undoubtedly be firm, while mixed or blighted stock will be easier in price. When asked about the blight, Mr. Henry stated that as that disease only occurs when the lilies are well advanced in the field, the foliage only suffers, and the bulb is not materially injured for forcing purposes.

The plants of growers who spray their fields with Bordeaux mixture do not suffer at all from the blight, but where such spraying is neglected it is found that when the lilies are partly grown, and there comes a warm foggy night, the blight strikes the plants immediately, and the foliage loses its color. From what we could gather, it seems that while the blight does not affect the bulb for forcing purposes, the reproducing qualities are impaired.

Mr. Henry also informs us that the Bermuda growers have discontinued the practice of disbudding the lilies while in the field. It seems that for some years disbudding had been practiced with the idea that the bulbs were benefited by the operation. It is now thought, however, that the bulbs are better when harvested, if the flowers have been left to mature on the plants; and all the growers are following that method this season.

Clucas & Boddington Co., New York.

This energetic firm of seed, bulb and plant dealers has recently purchased a piece of property at Sparkill, N. Y., for the further development of its constantly increasing business. It is but a year ago when we mentioned the fact that Clucas & Boddington Company had moved from its Fourteenth street store to more commodious warerooms, at the corner of Jane and Greenwich streets. The volume of business done during the past year has shown a great increase over that of previous years, and has practically demonstrated that the move to the present location was not made any too soon. The store and warehouse room is utilized to the fullest capacity, and it would have been next to impossible to have handled the firm's present extensive trade had the change in question not been made.

It is some months since the firm decided that a nursery and trial grounds would be a useful adjunct, and at last the concern has been fortunate enough to secure the Worth estate at Sparkill, N. Y. This property consists of upwards of thirty acres of choice farm land, with two dwellings and many serviceable outbuildings erected thereon.

Some 50,000 gladiolus have already been planted; and a regular nursery for herbaceous plants will be established as fast as time will permit.

Deciduous and evergreen nursery stock will be added when the season for planting such stock arrives.

There is a beautiful residence on the estate, and this will be the home of Mr. Clucas and his family after July 1.

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orge C. Seager, Rochester, N. Y., Secretary.
L. Yates, Rochester, N. Y., Treasurer.

Governor Pennypacker, of Pennsylnnia, has vetoed a bill which sought establish a division of horticulture the State Department of Agricul-re. The bill provided for a chief of e division at a salary of $2,500 anually and a clerk at $1,500.

LE MARS, IA.—The Gateway Nurs-y Company, with a capital stock of 0,000, fully paid up, has been organed in Le Mars to succeed the Fairont Nurseries. The new company ok charge of the business on May 1. he incorporators are: Pierce Bechtle, e Mars; C. A. Stils, Cherokee; W. L. echtle, O. M. Bechtle and G. W. Bol-r, of Le Mars, and the above named corporators are also the directors the company.

Pierce Bechtle, who has built up such successful nursery business here, will the manager of the nursery and C. . Stils, of Cherokee, will have charge the field work, which will employ om thirty to forty men and widen e territory so as to cover Iowa, orthern Nebraska, the Dakotas, Minsota, Southern Wisconsin and Northn Illinois.

Leaders to Conifers.

A little attention to conifers at this ason, when their new growth is push-g, will result in getting good, straight aders to many of them instead of ving them with double ones. Nearly customers prefer trees with single aders when the subject is an ever-een. Taking pines, for illustration, hen the new shoots start from the ntral one, often three or four will pear, all of about the same length. nch off the points of all but the most ntral one of the batch. The one unuched will be the leader, the others coming side shoots. Many other evereens can be made of almost any de-ed form by attention to the pushing oots at this season.

ghtening Soil About Newly Planted Stock

An important matter, and one often erlooked, or its importance underesnated, is the tightening of soil about eshly planted trees. The laborers emoyed by nurserymen in planting time ve no idea of the importance of this atter, and unless investigated it cant be known whether the planting be ell or ill done. But a loosely set tree in no condition to thrive, even though does not die. It is a proper thing do now to go over the various rows set out stock with a rammer, makg firm the soil and securing the tree an upright position at the same time.

Cedar of Lebanon.

The cedar of Lebanon, with the Mt. las cedar—atlantica—are perfectly rdy with us, and, indeed, the same ay be said of the deodar, for though leaves are sometimes lost in severe inters, its branches are not. The inter past took the leaves from ex-sed branches, but not from others. In pearance the deodar is more graceful an either of the others.

Would not florists find a good sale r the cedar of Lebanon in pots, beuse of its historic associations? Nur-ymen find this so. Plants of about ree feet in height sell well, being sily handled, and of a size to make me appearance at once on a lawn.

Oddities of the Season.

The early opening of Spring this year l everyone to think we were to have wers of all kinds in evidence long be-e their usual time. I think it must ve been a score or two of years back ce the weeping willow was in leaf the 20th of March, as it was this ar. Lilacs pushed into bud in March, d promised an early display. The ange part is, that in spite of this rly start, lilacs are not in bloom yet, d at this writing, April 28, it looks as this shrub will lose its good name never failing to flower by the first May. On the sunny side of some shes a flower or two may be open in next two days, saving its reputan, but on our bushes there will be no bunches fit to cut. On the other hand, fruit trees, such as apple, pear, peach, plum and cherry, are now in full display, preceding the lilac, which is an uncommon occurrence. In my own garden is a Staphylea colchica with flowers well expanded; and for it to precede the lilac is something unheard of. Is it that having started so early the lilac felt the shock of the freezing night or two which came later more than the other trees and shrubs did, not so advanced?

Japanese Wineberry.

There was so much disappointment experienced bv those who bought the Japanese wineberry years ago, expecting to possess a valuable fruit, that it caused many nurserymen to discontinue growing what is really a very pretty ornamental bush. To speak the truth about this bush, it is far from being without merit as a fruit. It bears large clusters of white flowers with red calyxes. After the berries form they remain enclosed in the calyx until the fruit is ripe, when they reflex, showing their bright red fruit. There is not as much of substance to the berries as there is to ordinary raspberries, but there is enough to make them worth the gathering; and their taste is very pleasant. When William Falconer was at Dosoris he had a little plantation of this rubus which yielded fruit which he found very satisfactory to him.

Its ornamental features certainly entitle it to a place with shrubs. It makes canes every year, much as common raspberries do. These canes are thickly beset with rose-colored hairs, which are hardly stiff enough to be called prickles, and this feature alone is sufficient to bespeak for it a prominent place, it is so ornamental. The clusters of fruit are also embellished in a similar way, the whole really compelling our admiration.

The name of this plant is Rubus phanicolasius and, as with others of the rubus family, the old canes should be cut out every year at the end of Summer.

Memorial Day Flowers.

Aside from greenhouse flowers and those from herbaceous beds, cut shrubs find a great demand for Memorial Day; and two kinds—the snowball and the weigelia—lead all the others in the appreciation of the various post committees sent out to beg or purchase flowers. It is not much encouragement to the florist to know that his neighbor the nurseryman is giving away his cut shrubs to these committees, but it has been the custom in some communities ever since the war for nurserymen to give the G. A. R. a free foot in their nurseries on that day, and no doubt it will last until the passing away of the generation that was of the war days.

City posts are less fortunate than those in the country, and a great deal of money is spent by them and their friends in the purchase of flowers. The demand for flowers or shrubs is very great. A spray of weigelia, or of Japanese snowball, is a good background for other blooms, and for this reason these are much called for. These two kinds might be grown by florists. A dozen or two bushes would occupy little room and would yield lots of flowers. It is already too late to set out such shrubs in this vicinity, but plant them early in the Fall, and some flowers would be had for next season.

The two kinds of snowball should be planted—the old kind, and the newer one, the Japanese. The former perfects its flowers a week earlier than the other, and this gives assurance usually that one or the other will hit the season right. The Japanese is preferred because of the long, flower-laden branches it affords. The Japanese snowball pushes into leaf early in Spring, and rather than plant it after it has pushed, it is better to defer the work until early Autumn. It will not succeed set late in Spring.

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Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

THINGS YOU NEED!

	Per 100
10,000 Coreopsis clumps	$4 00
10,000 Helianthus Maximiliana, strong divisions	2 50
10,000 Achillea Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum, Maximum Triumph, strong divisions	5 00

Cash with order, please.

W. G. EISELE, West End, N. J.

Mention the Florists' Exchange when writing.

Hollyhocks

5000 FINE POT-GROWN PLANTS

Superb Double, in separate colors, $1.00 per 10; $6.00 per 100.

Choice Single, mixed colors, 75c. per 10; $5.00 per 100.

Prompt Shipment.

Cash, If You Please.

J. T. LOVETT
LITTLE SILVER, N. J.

Mention the Florists' Exchange when writing.

PANSIES A superior strain, 50 cts. p 100 (mail); $3.00 per 10

	Per 1
Large, in bud and bloom, $1.00 per 100.	
Mammoth Verbenas, in bud and bloom, 2½ inch	$1.
Geraniums, all colors, 4 inch	5.
Fuchsias, all colors, 4 inch	5.
Lobelias, all colors, 2¼ inch	1.
Vinca Variegata, 4 in.	6.
Petunia, single fringed, 2¼ in.	2.

WHITTON & SONS, Wholesale Florist
City and Green Sts., UTICA, N. Y.

Mention the Florists' Exchange when writin

PLANTS WORTH PLANTIN

Pansies. Two kinds of white and yellow, bloom, $1.50 per 100. **Geraniums.**—4 in. pots, bloom, assorted, $8.00 per 100. **Coleus.**—Yello red and assorted, 2½ in. pots, $3.00 per 1 **Asters, Verbenas, Heliotrope and Caladiu Esculentum. Crimson Rambler Roses.** in. pots, $12.00 per 100. Cash with order.

C. S. CHASE, DIGHTON, MASS.

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200,000 PANSIES Florist Internation the finest strain in the United States. Stro plants in bloom, $15.00 per 1000. Smaller tra planted, $10.00 per 1000. Also **Giant Pansies** bloom; **Forget-me-nots, Sweet Willia Daisies,** Longfellow and Snowball, in bloo Dianthus plumosus, Dianthus Heddewigii, Gy sophila. All transplanted, strong, $1.25 per 1 Bedding Plants in 20 varieties. Wholesale pr list mailed free. Call or write.

LUDVIG MOSBÆK.
85th St., near South Chicago Ave., Chicago,

Mention the Florists' Exchange when writi

PANSY PLANT

Largest flowering mixture of **Show Varieties,** large transplanted plants, in bloom, $1 per 100. $8.00 per 1000. Second size, in bloo 75 cts per 100; $5.00 per 1000. **Bellis** (Daisi strong blooming plants in largest double and white, $2.00 per 1000. All above 500 at 1 rates.

GUSTAV PITZONKA, Bristol, P

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Roemer's Superb Prize Pansi

The finest strain of Pansies in the world. In ducer and grower of all the leading novelties. H est award, International Exhibition, Hamburg, 1 Catalogue free on application.

FRED. ROEMER, Seed Grow
QUEDLINBURG, GERMANY.

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100,000 PANSIES (The Jennin Strain)

Fine stock, all transplanted.
(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and blo April 1, $1.50 per 100; 2d size, not in bloom, g strong plants, $1.00 per 100, by express; 3d s $4.00 per 1000, by express, 75 cts. per 100, by mai The above are finest mixed in great variety choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.
Cash with order.

E. B. JENNINGS, Southport, Con
Lock box 254. Grower of the finest Pansi

Surplus Stoc

CUT PRICES WHILE THEY LAST.

Hydrangea, Thos. Hogg and Monstrosa, str 2½ in. extra fine, $2.50 per 100; $20.00 per 1000

Violets, 2½ in., very fine, California, Prince Wales, Luxonne, Lady Hume, Campbell, $ per 100; $18.00 per 1000.

Clematis Paniculata, 3 years old, strong fi grown, $6.00 per 100.

Asparagus Sprengeri, 2½ in., $2.00 per $18.00 per 1000.

Cypress Alternifolius (Umbrella Plant), $ per 100; $18.00 per 1000.

Vinca Variegata, $2.00 per 100; $18.00 per 1 4 in. $6.00 per 100.

Achillea, The Pearl, $2.00 per 100.

Lemon, American Wonder, $2.50 per 100; $2 per 1000.

Daisy, 2½ in., white and yellow, $2.00 per 100.

Verbenas, 2½ in., $2.00 per 100; $18.00 per 1000,

Honeysuckle, golden leaved, Halleana Chinese Evergreen, $2.00 per 100; $18.00 per 1

Lantanas, $2.00 per 100.

THE SPRINGFIELD FLORAL C

Reorganization of Jno. A. Doyle & Co.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writi

Quality and Very Low Prices are any Object, Look this over Thoroughly

GERANIUMS

arge stock plants from beds, S. A. Nutt, Jean ud, Vera Vend, $8.00.

in Frances Perkins, Red Bruant, E. G. Hill, La t, Neener's Pink, Beaute Poitevine, John Doyle. icard La Favorite Mme Jaulin, $10.00.

in. and 5 in. Mrs. Parker Wm. Languith, $10.00. ntain of Snow, Dryden, $8.00.

in. Sweet Scented Freak of Nature, Red Bruant, icard, Beaute Poitevine, Double Gen. Grant, n Doyle, La Favorite, Frances Perkins, Eliza, Neener's Pink, Grand Chancellor, S. A. Nutt, Peter Crozy, Dryden, E. G. Hill, Mme. Salleroi, Ivy and Bronze, all very fine, $2.50, our selection, $3.00 your selection.

Mme Pollock, Mrs. Parker, $5.00.

FUCHSIAS, double, fine varieties, 5 in. and 6 in., $25.00. 2¼ in. best doubles and singles, $2.00. R. C., assorted, $1.00.

Little Beauty, 3 in., $5.00.

BEGONIA REX, large stock plants, named, 5 in. and 6 in., $25.00.

CARNATIONS, R. C. from soil, Elm City, Joost and Crocker, strong and clean, $1.50.

COLEUS, Verschaffeltii and yellow, 2¼ in. $2.00.

AGERATUM, Stella Gurney and white, 2 in., $2.00

GERMAN IVY, 2¼ in. $2.00. R. C., $1.00.

LEMON VERBENA, 2 in., $2.50.

SMILAX, 2 in., $2.00.

VINCA VAR., R. C., $1.00.

ALTERNANTHERA, red and yellow, R. C., $1.00.

CHRYSANTHEMUMS, R.C., $1.25. Send for list

ABUTILON SAVITZI, 2¼ in., $3.00. 3 in., $5.00.

CUPHEA AND DOUBLE SWEET ALYSSUM, 2¼ in., $2.00. 3 in. $4.00

ASPARAGUS SPRENGERI, 3 in., $4.00.

CYPERUS, 2¼ in., $2.50. 3 in., $4.00.

PTERIS and **ASPIDIUM**, very fine 2¼ in., $2.50

DRACÆNA seedlings, $2.00

MME. SALLEROI, DOUBLE SWEET ALYSSUM, R. C., $1.50.

ABUTILON SAVITZI, R. C. $1.50.

COLEUS, red, yellow and assorted, R. C., 60 cts.

rices by the Hundred.

CREENE & UNDERHILL, Watertown, N. Y.

Terms, Cash or C. O. D.

Mention the Florists' Exchange when writing.

ERANIUMS

00 Double General Grant, fine stocky plants, ted last August, in 4 in. pots, in bud and bloom, 00 per 100. **SALVIA**, Silverspot, from bench, nsplanted seedlings, $3.00 per 100. **AGERA-M**, Stella Gurney, 2½ in., strong, $3.00 per 100. h with order; if not satisfied your money cheerly returned.

. LAWRITZEN, Rhinebeck, N. Y.

ntion the Florists' Exchange when writing.

ERANIUMS

xtra strong 3 inch pots, in bud and bloom, A. Nutt, Gen. Grant, Poitevine, Landry, arlotte, Viaud, Montmort, Patters, Double arlet Dwarf for border, and other varieties. 0 per 100. CASH WITH ORDER.

ETER BROWN, Lancaster, Pa.

ntion the Florists' Exchange when writing.

OLEUS

Rooted Cuttings except where noted.	100	1000
varieties	$0.60	$5.00
. Verschaffeltii and G. Bedder	.60	6.00
lvias, Silverspot, Bedman, Splendens	1.00	
eratum, Pauline, Gurney, Cope's et	.60	5.00
lternantheras, P. Major and A. Nana, in. pots	1.50	15.00
ansy Plants, bud and bloom	1.00	8.00
" small plants	.50	4.00
lternanthera, A. Nana	.60	5.00
eratums, 2 in. pots, Gurney, P. P., P.	1.50	
eliotropes, dark, 2 in. pots	2.00	

CASH WITH ORDER.

RNEST HARRIS, Delanson, N. Y.

Successor to C. A. Harris & Co.

ention the Florists' Exchange when writing.

ERANIUMS

ROOTED CUTTINGS.

Special Price, $1.25 per 100.

500 each of Heteranthe and Jean Viaud.

500 each of Bonnot, Acteon, Poitevine and La Favorite.

250 each of Perkins, Ricard, Harrison and Jaulin.

000 Castris and 750 Landry.

LBERT M. HERR, Lancaster, Pa.

ention the Florists' Exchange when writing.

Rose Geraniums, from 2¼ in. pots; $2.25 per 100. $20.00 per 1000,

Lemon Verbena, from 2 in. pots, $2.00 per 100; $15.00 per 1000;

CASH WITH ORDER.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS Planted in pots, sent with little soil. Ricard, Poitevine, Perkins, J. Doyle and others, $1.30 per 100. Le Soleil, J. Viaud, Castellane, $1.75 per 100.

COLEUS Reds and Yellows, $6.00 per 1000; Very brightest fancy, $5.00 per 1000.

GIANT-LEAVED, 20 var., very showy, 75c. per 100.

Alternanthera P. Major and A. Nana, 75c. per 100. Fine new red kinds, $1.00 per 100.

PANSIES Extra heavy rooted, fine plants in bloom, very choice, 75c. per 100.

GLADIOLI, large bulbs, select, in many best fancy colors, 75c. per 100.

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing.

COLEUS

2½-in., strong, Golden Verschaffeltii, yellow, Verschaffeltii, red, per 100, $2 00.

COLEUS, R. C., same varieties, 60c. a 100.

PANSIES, fine stock, in bloom, $2 a 100.

G. A. Thiele, Florist, 1309 Sellers St., Frankford, Phila., Pa

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
Coleus, in variety, rooted cuttings	$0 60	$5 00
" " 2½ in. pots	2 00	18 00
Heliotrope, all dark, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Fuchsias, in variety, rooted cuttings	1 00	9 00
" " 2¼ in. pots	2 00	18 00
Sweet Alyssum, rooted cuttings	75	
Ageratum, in variety, rooted cuttings	60	5 00
" " 2¼ in. pots	1 25	10 00
Happy Thought, 2¼ in. pots	3 00	
" " 3 in. pots	4 00	

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

FRESHLY IMPORTED ORCHIDS FOR FLORISTS

Cymbidium eburneum, large pure white flowers, plants run from 2 to 4 growths, $25.00 per 100 growths.

Dendrobium densiflorum, 12 to 15 bulbs, $24.00 per doz

D. formosum giganteum, extra fine stock, large fine bulbs, 8 to 12 bulbs to the plant, $24.00 per doz.

D. nobile. Of this most useful orchid we over plants with 8 to 10 bulbs, $100.00 per 100; 10 to 15 bulbs, $150.00 per 100.

D. Pierardii, 10 to 12 bulbs, $15.00 per doz.

D. Wardianum giganteum, one of the most useful of all plants, with 4 to 5 bulbs, extra strong, $125.00 per 100.

D. lituiflorum, 8 to 12 bulbs, $15.00 per doz.

Vanda cœrulea (the Blue Orchid). Of this grand orchid we have 5000 plants; which we offer as follows: Nice sturdy plants, 8 to 12 ins long, $100.00 per 100, plants 15 to 18 ins. long, $150.00 per 100.

Cypripedium insigne, plants from 3 to 5 growths, $50.00 per 100.

LAGER & HURRELL, ORCHID GROWERS AND IMPORTERS, **Summit, N. J.**

Local and Long Distance Telephone, 118 A Summit.

Mention the Florists' Exchange when writing.

IN BUD AND BLOOM

	100
Geraniums, S. A. Nutt, Bruant, Mme. Thibaut, La Favorite and other good vars., red, pink, salmon and light, from 3½ in pots	$5.00
Heliotrope, 3 best vars., 3½ in. pots	5 00
Petunias, Dreer's Strain, 3½ in. pots	5.00
Vinca Vines, 3 in. pots	3.00
Large Flowering Single **Petunias**, 3 in pots	2.50
Nasturtiums, 3 in. pots	2.50
Scarlet Sage, 2½ in. pots	2.50
Ageratum, Dwarf, blue, 2½ in. pots	2.00
Cannas, in fine vars., 4 in. pots	5.00

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

Bedding Geraniums

In full bloom.

Double Bruanti, Jean Viaud, Beaute Poitevine, Mrs. E. G. Hill. Out of 4 in. pots, $6.00 pêr 100.

CASH PLEASE.

Henry Eichholz, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

ROSE GERANIUMS. Very strong 3s, $4.00 per 100.

AGERATUM. Pauline and Gurney; strong bushy, 3-inch, in bud, $3.50 per 100.

LOBELIA. Emperor William; best dwarf, dark blue; strong and fine, 2-inch, $2.00 per 100.

CANNAS. Finest varieties grown, very stout, 4 in., assorted, $1.00 per doz.

GIANT PANSIES, in bloom, **GIANT DAISIES**, in bloom, and new Ever-blooming **FORGET-ME-NOT Constance**, all transplanted, cold-frame grown, $1.50 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50 cts.

PANSY FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CINERARIA. Finest large flowering dwarf mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. Finest large flowering, 1000 seeds, 50 cts.

Cash. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing.

PLANTS

all from 2½ in. pots except where noted.

Hollyhocks, $2.50 per 100. **Fuchias**, $2.50 per 100; **Asparagus Sprengeri**, 2½ in., $2.50 per 100; 3 in., $4 00 per 100, 3½ in., $6.00 per 100 **Asparagus Plumosus**, 6 in., $12.00 per 100. **Two-year Roses**, best varieties, $8 00 per 100; **Vincas**, 2 in., $2.50 per 100, 3½ in., $5.00 per 100; 4 in., $6.00 per 100; **Coleus**, $2 00 per 100; **Cannas**, 3 in., $4 00 per 100; 4 in., $5.00 per 100.

VIOLETS.

Hardy English, $3.00 per 100. **Marie Louise**, $3.00 per 100; **Campbell**, $3 00 per 100. **Swanby White**, $3 00 per 100. **Geraniums**, 2½ in., $2.50 per 100; 3 in., $4.00 per 100. **Sanseveria Zealanica**, $2 50 per 100. **Ivy Geraniums**, $4 00 per 100 **Pelargoniums**, $4 00 per 100. **Ageratums**, 3 colors, $2.50 per 100. **Salvias**, $2 50 per 100. **Cigar Plants**, $2.50 per 100. **Ampelopsis Veitchii**, $3.00 per 100; **Hydrangea Paniculata**, 2 year, $7.00 per 100; **Spiræa Van Houtte**, 2 year, $7.00 per 100.

NATIONAL PLANT CO., DAYTON, OHIO.

Mention the Florists' Exchange when writing.

CANNAS AND CARNATIONS

50,000 Potted and Dormant Cannas.

Potted List—Mme. Crozy, Florence Vaughan, Queen Charlotte, Alsace, Philadelphia, Golden Moon, Duke Marlborough, Souvenir d' Antoine Crozy, President McKinley, Leopard, Shenandoah (fine bronze leaved) $6.00 per 100. Marden's Blush, Rosemawr (pink), $8.00 per 100; Black Beauty, 15 cts.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Canary Bird, Burbank, Austria, $2 00 per 100, $15.00 per 1000

5000 Lady Hume Campbell Violet Plants, from soil, $1.00 per 100.

20,000 CARNATIONS from soil, fit to plant.

Ethel Crocker, Genevieve Lord, Mrs. Joost, Wm Scott, Lizzie McGowan, Flora Hill, White Cloud and Mack Richmond, red, $1.50 per 100; $12.00 per 1000. Queen Louise, $2.50 per 100

500 Started **Caladiums**, from seed, 6 cts.

1000 **Tritoma Uvaria**, field roots, 6 cts.

1000 Double Red and Single Pink **Geraniums**, 2½ in., $2.00 per 100.

1000 **English Ivy**, 2½ in., $3.00 per 100.

1000 Dormant **Ampelopsis Veitchi**, strong, pot grown, $4.00 per 100

Send for list. **Cash please.**

BENJAMIN CONNELL

WEST GROVE, PA.

Mention the Florists' Exchange when writing.

ERANIUMS

	Per 100
var., Standard, 3½ in. pots	$4.00
varieties, 2½ in. pots	3.00
sparagus Sprengeri, 2 in. pots	2.00
sparagus Plumosus, ready in June	3.00
" " Seed $7.00 per 1000.	
entaurea Gymnocarpa	2.00
milax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Seedling Petunias	3.00
Primroses, ready July 1st	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

GERANIUMS

We are offering good, sturdy plants of the following standard Geraniums, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000.

EAN VIAUD

me. LANDRY

A FAVORITE

Mme. BARNEY

HUBERT CHARRON

Mrs. E. G. HILL

S. A. NUTT

AMERICA

MARS

QUEEN CHARLOTTE

Mme. SALLEROI, 2¼ in. pots, $2.50 per 100.

ARUNDO DONAX VARIEGATA. Strong started crowns, ready for 5 in. pots $10.00 per 100.

25,000 CANNAS. Started, ready for potting; standard varieties, $1.50 per 100. List of varieties on application.

For other Seasonable Stock, see Florists' Exchange, page 476, issue of April 25.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust; 60 varieties. **Rooted Cuttings**, 60c. per 100, $5.00 per 1000; $45.00 per 10,000. **Plants**, $2.50 per 100; $20.00 per 1000.

GRAFTED ROSES

Our Grafted Roses are fine bushy plants, and are grown in 3-in. and 3½-in. pots. Orders booked now for delivery in May, June and July.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN. $15.00 per 100.

IVORY, LIBERTY. $18.00 per 100.

Send For Catalogue.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Out of 2 in. pots.

"As tender as Spring chickens."

Mrs. Jerome Jones, best white; **Mrs. Henry Robinson**, best early white; **John K. Shaw**, best early pink; Appleton, best yellow. $2.50 per 100, $22.50 per 1000. CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

WELL ROOTED CUTTINGS

In following varieties. Stock guaranteed or money refunded. $12.00 per 1000.

Eaton, Niveus, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, J. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean.

Plants from 2 in. pots, $20.00 per 1000.

CASH WITH ORDER.

L. I. NEFF, Pittsburg, Pa.

Mention the Florists' Exchange when writing

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

'MUMS

Bonnaffon, Glory of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, W. King, Chadwick, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, $1.00 per 100.

Petunias, double, 15 fine sorts, R. C., $1.00 per 100.

Coleus, 10 fine bedders, R. C., 60c. per 100.

Ageratum, Gurney, P. Pauline and Best White, 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Umbrella Plants, nice short, 2 in., at $1.50 per 100.

Salvia, Bonfire, Splendens, 2 others, R. C., 75c. per 100

Salvia Splendens, 2 in, 2c.

Cobæa Scandens, 3 in. 4c.

Smilax Seedlings, 25c. per 100.

Cuphea, (Cigar Plant), R. C., 40c. per 100.

Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS standard varieties, 2½ in., $2.50 per 100.

ASPARAGUS PLUMOSUS. Nanus, 2 in., $4.00 per 100; $35.00 per 1000.

FUCHSIAS. Little Beauty, 2 in., $3.00 per 100.

GERANIUMS, Mme. Salleroi, 3 in., $4.00 per 100.

COLEUS, in variety, 2½ in., $2.50 per 100.

BOSTON FERNS, 2½ in., $50.00 per 1000.

BOSTON FERNS, runners, strong, $35.00 per 1000.

CARL HAGENBURGER,
West Mentor, Ohio.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willow Brook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

FUCHSIAS, Double white, $2.50 per 100. **Mrs. E. G. Hill. Rosains Patrie, Mme. Vanderstrass, Glorie des Marches, Double Purple, Phenomenal, Avalanche.**

REX BEGONIAS, $3.00 per 100. **Robert George, Magnifica.**

Asparagus Plumosus, Extra fine, $3.00 per 100. **Sprengeri,** $2.50 per 100.

Moon Vines, White, $2.50 per 100. **Ferns,** **Maiden Hair, Pteris Serrulata,** $2.50 per 100.

Above are all good strong plants out of 2½ inch pots.

Pandanus Utilis, 4 in., $1.00 per doz.; 5 in., $1.50 " **Kentia Fosteriana,** 5 inch pots, $5.00 per doz.

SCHMIDT & BOTLEY, Springfield, Ohio

Mention the Florists' Exchange when writing.

New White CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, 75c. each, $7.50 per doz., $50.00 per 100.

Send for List and Prices of 50 other leading varieties of Cannas.

New Crimson Rambler, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in.

$1.50 per doz., $10.00 per 100, $80.00 per 1000.

THE CONARD & JONES CO., WEST GROVE, PA.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Fine rooted cuttings of the following varieties: **Halliday, Willowbrook, T. Eaton, Col. D. Appleton, Rieman, Lincoln, Hayes, Ivory Pink and White, M. Dean, W. Molatsch, J. Shrimpton, Robinson** and **Adrian**, at $1.50 per 100; **J. R. Weir**, 50c each, $4.00 per doz., $25.00 per 100. Cash with order. Address

H. A. MOLATSCH, 68th St., 9th Ave. Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton Murdock, Mrs. Jones, and many more, $2.25 per 100, 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings.

G. Kalb, Polly Rose, Ivory (pink and white), Glory of the Pacific, Mrs. Murdock, F. R. Hayes, Merry Monarch (white and yellow), M Henderson, R. Halliday, W. Molatsch, Bonnaffon, Appleton, Rieman, $1.25 per 100; $10.00 per 1000. T. Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

Jamaica Post Office, Woodhaven Station

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA, large stock, 20 to 30 inches, 5 and 6 in. pots, $2.00 to $3.00 per doz.

GERANIUMS, S. A. Nutt, double General Grant, Gloire de France and others, all in bud and bloom, 3 in., $4.00 per 100.

VINCA, variegated, long vines, 4 in., $6.00 to $8.00 per 100 for selected stock.

GEO. H. BENEDICT
Yorkville Greenhouses
YORKVILLE, N. Y.

Mention the Florists' Exchange when writing.

CANNAS

Started, $2.00 per 100; in pots, $5.00 per 100. Henderson, J. D. Eisele, Berat, Duke of Marlboro, Alsace, Allemania, Austria and Robusta.

GERANIUMS, Mme. Salleroi, in 2½ inch pots, $2.50 per 100. Also all standard varieties of Geraniums, 3 inch, $5.00; 3½ in., $6.00; 4 in., $7.00 per 100.

Cash with order.

J. B. SHURTLEFF & SON, Revere, Mass.
Telephone, 56-6. Cushman Avenue.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2 in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	5 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum**, dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia**, dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00
Pansies, strong plants, fine strain, $2.50 per 100; $20.00 per 1000.	

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000. Extra well-grown plants, from 2½ in. pots, $5.00 per 100; $45.00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Geraniums. Standard varieties, extra fine, well-grown plants from 3 in. pots in bud and bloom, $5.00 per 100; $45.00 per 1000. From 4 in. pots, $7.00 per 100.

Cannas. Dormant tubers, Henderson, Chicago, Vaughan, Charlotte, Bouvier, Papa Canna, $12.00 per 1000. Started from sandbed. $20.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

Grand Rapids, Mich.

News Notes.

The season is very backward, th nights severe. It was not until to-day the 5th, that it was really safe to plan out carnation stock. The plants tha were put out the fore part of last wee were killed. One night the temperature dropped as low as 22 degrees, injuring tulips, hyacinths and even pansies in exposed locations. Fruit tree throughout the State suffered severely It is reported on good authority tha at least 40 per cent. of the fruit crop i destroyed. Strawberries were, as a St. Joe, a total loss. In some localitie they escaped.

Henry Smith is hurrying along hi building operations as fast as a larg force of help will allow. The boarding house is located on the south side Bridge street, so as to be beyond th reach of another fire, should one eve again occur.

Crabb & Hunter are building a propagating house, 16x200 feet, of wav skylight glass. It is not only cheape than the double strength glass, bu more suited for the purpose, letting i a strong light, yet excluding the ray of the sun. It is good glass for pal houses. This firm's range of fou houses, each 29x200 feet, is well unde way. They are using the Garland iro gutters, Quaker City ventilating apparatus, cedar rafters and ventilato from A. Dietsch & Co. The houses wi be modern in every respect. America Beauty roses and carnations will b grown.

Recent visitors included A. Vaughan, A. Blome and S.S. Skidelsky also several Dutch bulb men, with unpronounceable names. They should b numbered. G. F. C.

Washington, Pa.

The Washington Floral Compan which was recently organized with capital stock of $10,000, and which ha purchased the John McBurney far east of Washington on the Monongahela pike, has received its charter ar the work of constructing the greenhouses and other necessary building is being pushed to speedy completio The work is well under way, and wi good weather it is hoped to have everything completed by the first of ne September. Seven greenhouses, eac 150 x 100 feet, are being constructed. Just as soon as the promoters g matters in running order attention wi be directed toward utilizing the re of the 40-acre tract, which is ferti and in a high state of cultivation. is the purpose of the company to s out a large bed of strawberry plan and other small fruit. Later they wi commence the setting out of fruit tree such as cherry, peach, plum, apple, et

GENISTA.

2½ in., per doz. 75 cts.; per 100, $5.00.

	Per doz.	Per 1
Abutilon Savitzii, 2½ in	$0.75	$5.
Pansy Pelargonium, 2½ in	.75	5.
Allamanda Williamsii, 2½ in	.75	5.
Cannas. New and Standard kinds. Send for lis		
	Per doz.	Per 1
Clerodendron Fragrans, 2½ in	.75	5
Araucaria Excelsa, 2 to 3 tiers	5.25	
Araucaria Excelsa, 3 to 4 tiers	7.50	
Asparagus Sprengeri, 2½ in		4.
Carex Japonica, 2½ in	.80	6.
Geraniums (send for list)		2.

THE CONARD & JONES CO.
WEST GROVE, PA.

Mention the Florists' Exchange when writin

50,000 ASTERS

Semple's, Truffaut, Victoria and Queen of th Market, four colors of each, separate, 250 by ma $1.00; per 1000, $3.00.

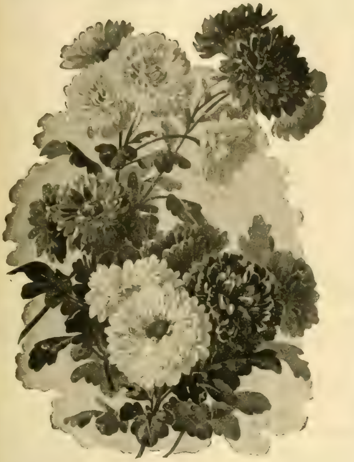
	Per 10
PETUNIAS, Ruffled Giants and Grandiflora, single, 3 in	$3 0
DRACÆNAS, Indivisa and Australis, 3 in., 15 to 18 in. high	5 0
COBÆA SCANDENS, 2½ in	2 5
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 0
VINCA MINOR, 3 colors, 2 in.	2
AGERATUM, Stella Gurney, Perfection and Pauline, 2 in	2 0
COSMOS, Giant Flowering, 2 in.	2 0
	Per Doz
CISSUS, Discolor, 2 in	$0 5
DAHLIA, Twentieth Century, 3 in	1 0
HOLLYHOCK, Henderson's Everblooming, 3 in.	1 0

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS



Mr. Grove P. Rawson's report of the Elmira, N. Y. Show, FLORISTS' EXCHANGE, November 22, page 1326:

R. Vincent, Jr. & Son, White Marsh, Md., sent a collection of outdoor-grown pompons that was a record breaker—some sixty varieties; and the best lot I ever saw at any chrysanthemum exhibition. More interest was manifested in this charming display than in the omnipresent Timothy Eaton and Col. D. Appleton. The demand for these plants is steadily increasing for planting in the herbaceous border, and among shrubbery and evergreens.

I compliment you on having such a fine selection of Pompon Chrysanthemums.

A. HERRINGTON.
President Chryanthemum Society of America.

HARDY POMPONS

Agalia, light pink, shaded deep orange.
Anna Mary, creamy white, tipped pink.
Bridesmaid, light pink, dark edge.
Bob, delicate pink.
Blushing Bride, early light pink.
Climax, deep rosy pink.
Chivvar, white tinted pink.
Clifton old gold, shaded salmon pink.
Captivation, rose pink, yellow shading.
Drin Drin, smallest bright orange.
Dinizulu, rosy lake, very fine.
Daybreak, rosy shell pink.
Druid Hill, light mahogany crimson.
Eleganta, deep pink, tipped and edged white.
Eagle d'Or, good orange yellow.
Eldorado, clear lemon yellow.
Edna, clear glowing pink.
Fairy Queen, beautiful combination of pink and yellow.
Fred Peele, small pinkish lilac.
Fire Ball, yellow tipped crimson.
Grandeur, grand golden bronze, shaded old gold.
Golden Fleece, large bright lemon yellow.
Globe d'Or, dwarf bushy, clear yellow.
Golden Pheasant, small, orange yellow.
Gold Standard, deep golden yellow.
Gold Nugget, chrome yellow and bronze.
Goldfinch. magnificent gold, shaded crimson.
Ivanhoe, beautiful light pink.
Julia Lagravere, deep red.
Jack, exquisite rose pink.
Kadar, clear magneta.
Labanah, pale primrose pink.
L'Ami Conderchat, small, sulphur white.
La Favorite, rose pink, reflex white.
Little Pet. claret, perfect form.
Ladysmith, rosy lake, tinged salmon.
Maid of Kent, white, one of the best.
Maid of Honor, deep rose.
Mr. Kanauf, a beautiful shade of pink.
Mrs. Vincent, large, deep, purplish rose.
Nellie Rainsford, dwarf, light bronze.
Naomi, soft rose.
Nellie Bly, light pinkish lilac.
Princess Louise, yellow, overlaid with tawny red.
President, deep violet rose.
Premier, deep velvety crimson and gold.
Patterson, magnificent old gold, shading darker.
Prince of Wales, magnificent pure white.
Pysche, pale pink and white.
Queen of Bul, beautiful violet rose.
Regulus, pale copper bronze and red.
Rosinante. blush, shaded sulphur.
Rhoda, white, pink shading.
Richard Franklin, large rosy carmine, edged and tipped white.
Sheshar, bright chromo, yellow and amber.
St. Illoria, silver pink, a superb sort.
Snowflake, pure white, small.
Souve McIaine, very fine pure white.
Tisri, large deep pink, dwarf.
Tiber, garnet, overlaid with bronze.
Thalia small white.
Titus, terracotta.
Thomas Long, light pink, tipped white.
Victor, bright rosy lilac.
Vueve Cliquots, brick red, edged brilliant yellow.
Yellow Queen, deep yellow, shading crimson maroon.

Not less than five of one variety.

$2.00 per 100. 1000 and over, $1.75 per 100. 10,000 and over, $15.00 per 1000. 100,000 for $125.00.

CANNAS

Strong plants from 3-inch pots. 60 cts. a dozen; $4.00 per 100. $35.50 per 1000.

Allemania, Austria, Burbank, Alphouse Bouvier, Florence Vaughan, Leonard Vaughan, Beaute Poitevine, Bassett's Red, Egandale, J. D. Eisele, Mme. Leon Leatere, Mine d'Or, Mme, Crozy, Paul Marquant, Queen Charlotte, Secretaire Chabanne.

ROBUSTA Very large dormant roots, $2.00 per 100; $15.00 per 1000.

Vegetable Plants

We grow vegetable plants by the acre and are ready to quote prices on any amount you may need.

Cabbage **Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head,** and other vars., 25c. per 100. $1 25 per 1000.

Lettuce **Grand Rapids, Boston Market, Tennis Ball, Big Boston** and other vars., 15c. per 100; $1.00 per 1000.

Tomatoes **Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize** and other vars.; ready for transplanting, 15c. per 100; $1.00 per 1000. **Earliana and Panderosa,** 30c. per 100; $2.00 por 1000.

Beet **Eclipse, Crosby's** and **Egyptian,** 20c. per 100; $1.25 per 1000.

Parsley 40c. per 100.

Celery **White Plume** and **Golden Self Blanching.** $1.00 per 1000.

Egg Plants N. Y. Improved, 25c. per 100, $2.00 per 1000.

Pepper Ruby King, Sweet Mountain and Bull Nose, 25c. per 100, $2 00 per 1000.

If wanted by mail add 10c. per 100.

Miscellaneous Plants

First-Class Stock from 2½ Inch Pots.

Geraniums In good variety, double and single, 2¼-inch pots, $2.00 per 100. **Scented**—Rose, Balm, Nutmeg, Lemon and Oak Leaved, $3.00 per 100. Variegated Leaved, $3.00 per 100.

Petunias Double Fringed, $2.50 per 100

Coleus Golden Bedder, Golden, Pink and Crimson Verschaffeltii, John Pfister and Annie Pfister, Massey and 10 other varieties. $2 00 per 100. Golden Bedder, rooted cuttings, 60c. per 100.

Dahlia Plants from 2¼ inch, in good variety, $2.00 per 100, $18.00 per 1000.

Chrysanthemums Autumn Glory, Col. D. Appleton, Eureka, Glory of the Pacific, Mrs Perrin, Mrs. O. P. Bassett, Mrs. Murdock, Wm. H. Lincoln, Bessie Burton and others, ready now, $2 per 100. **Pompon Chrysanthemums.** 50 varieties. $2 per 100.

	2¼-in. pots, per 100
Abutilon, in variety	$2 50
Acalypha, macafeena	3 50
Achyranthes, in variety	2 00
Ageratum. Stella Gurney and Dwarf White	2 00
Alyssum. Giant Double and Dwarf Double	2 00
Cannas, dormant roots, mixed	1 00
Named	2 00
Fuchsias, in variety	2 50
Forget-Me-Not, large flowering, blue, from 2½-inch pots, $2 50 per 100	
Hardy English Ivy	2 00
Lemon Verbena	2 50

	2¼-in. pots, per 100
Lobelia, compacta	$2 00
Rudbeckia, golden glow	2 00
Salvia, Silver Spot and Splendens	2 00
Sedum variegata	2 00
Summer Flowering Annuals, seed beds	25
Swainsona Alba	2 00
Water Lilies, Nymphæa odorata rosea, 25 cts. each; $2.00 per dozen. Nymphæa odorata gigantea, 50 cts. per dozen	3 50
Rooted Cuttings of Hardy **English Ivy,** 75 cts. per 100; $5.00 per 1000.	

Not less than 5 of any one variety sold. Send for trade list of full line of Greenhouse and Bedding Plants.

CASH WITH ORDER.

On account of the unprecedented demand we are liable to be sold out of some varieties. Kindly state if we may substitute.

R. VINCENT, Jr. & SON, White Marsh, Md.

TELEPHONE AND TELEGRAPH
ADDRESS, CHASE, MD.

Florists and Vegetable Plant Growers for the Trade.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by young woman in florist establishment. Address T. A., care Florists' Exchange.

GERMAN florist, all-around hand in greenhouses and outside, wishes steady position. L. Geh, 150 Central Ave., Brooklyn, N. Y.

SITUATION wanted by florist, single, 27; carnation grower; steady worker, competent, reliable. Address Florist, 162 East 23d St., N. Y.

SITUATION wanted by German, age 34, single, good references; 17 years' experience. Address C. Foerster, 709 Willow Ave., Hoboken, N. J.

SITUATION wanted by married man where there is chance for advancement; 28 years old; life experience. Address T. E., care Florists' Exchange.

SITUATION wanted, as working foreman, by first-class rose-grower on a place where roses are grown as a specialty. Only first-class place wanted; No. 1 references. Address S. C., care Florists' Exchange.

SITUATION wanted by young man, gardener and florist; single, sober, honest and obliging. Can take care of horse, cow, etc. Generally useful. Mention wages. H. A. Bradt, Morristown, N. J.

HELP WANTED

WANTED—Two men handy with tools; good wages to hustlers. Manhattan Supply Co., 440-442 11th Ave., New York.

WANTED, single young German for general greenhouse and garden work; board on place. State wages. F. Streit, Grandview, N. Y.

WANTED, young man with experience for greenhouse work; also several young men to learn the business. The J. M. Gasser Co., Euclid Ave., Cleveland, O.

WANTED, thoroughly competent and all-around greenhouse man. A No.1 reference. Good salary to right party. Address Samuel Feast & Sons, Baltimore, Md.

WANTED, a man to do general greenhouse work; must be sober and willing to work; steady place for right man. Mount Pleasant Floral Co., 98 Broad St., Newark, N. J.

WANTED, one landscape gardener; one greenhouse gardener; well up in these businesses. No other need apply. From $14.00 to $15.00 per week will be paid. W. G. Eisele, West End, N. J.

WANTED, single young man with some experience in greenhouse work; must be willing and a good worker; good place for the right party. Address John Davie, Hempstead, L. I., N. Y.

WANTED AT ONCE, CAPABLE MAN FOR GREENHOUSE WORK; MUST BE AN EXPERIENCED GARDENER; CALL IMMEDIATELY. G. H. STUBER, WOODLAWN, N. Y. CITY.

WANTED, by a long-established firm, traveling salesman to take orders for seeds, bulbs, and plants around New York. Address stating experience and giving references, T. D., care Florists' Exchange.

WANTED, STRONG 2-YEAR-OLD 4 TO 5-IN. POT PLANTS OF MAMAN COCHET ROSES, PINK AND WHITE, IN QUANTITY. SEND SAMPLE AND PRICE TO J. H. TROY, NEW ROCHELLE, N. Y.

WANTED, young man with experience in roses or carnations; sober and willing to work; Protestant. Send reference. Wages $40.00 per month and room to start. Address Onaway Greenhouses, Boonton, N. J.

WANTED at once, competent man in large retail store; must be good designer and decorator and used to handling first-class trade. Fine permanent position to right man. Address stating reference, etc., Champion & Co., 1026 Chapel St., New Haven, Conn.

WANTED at once, good plantsman; carnations, chrysanthemums, violets, Easter stock, bedding; to take full charge; $35.00 per month, board and room; increase if satisfactory. Jas. Young, 8 Cone St., Hartford, Conn.

WANTED, single young man with some experience in greenhouse work. Must be of good habits, healthy, and willing worker. Wages $20 per month, with room and board. Address O. H., care Florists' Exchange.

WANTED, first-class assistant for 12,000 feet of glass; must have some knowledge of growing roses, carnations, chrysanthemums, and violets; must come at once; $20 to $25 and board to right man. Paul E. Liebsch, Batavia, N. Y.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES

FOR SALE—Greenhouses at Plainfield, Rutherford and Secaucus, N. J.; building lots suitable for greenhouses at Waverly, Orange and Kingsland, N. J. Address Henry Berg, Orange, N. J.

FOR SALE, well-paying florist establishment at Grandview-on-Hudson, N. Y. Three greenhouses 20x130; seven acres land; nine-room residence; everything in fine condition. Address S. F., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses; modern heating system; hot beds; potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

FOR SALE OR RENT—Fine place; about 26,000 square feet of glass; heated by 80-H. P. tubular boiler (steam). Owner not a florist; engaged in other business. Or will sell half interest to a first-class up-to-date grower. Good retail store. Brookside Greenhouses, 104 S. 5th St., Reading, Pa.

FOR SALE in western Massachusetts, three greenhouse plants, with hot-bed, potting house, large barns, sufficient land and fine site for residence. Anything in greenhouse products, flowers, or vegetables sells quick locally. Ill health compels sacrifice. Terms easy. Address S. E., care Florists' Exchange.

FOR SALE—Store and steam heated flat on leading avenue in New York City; rent for all, $50.00 per month. Everything ready to walk in and take in the dough. Will paint and repaper throughout. Established 18 years. I have made thousands out of it; proof positive. No fakirs. Terms reasonable. Address T. C., care Florists' Exchange.

TO CLOSE AN ESTATE—Well-equipped retail establishment; 10,000 sq. ft. glass; conveniently arranged; long established, first-class reputation; local and suburban trade, with or without dwelling; situated in the best residential section. A chance seldom offered. For particulars address N. F. Muzzy, 824 State Mutual Bldg., Worcester, Mass.

ON ACCOUNT of poor health I wish to lease my greenhouse establishment for a term of years; about 20,000 ft. of glass; established in 1860 and has been run continuously ever since. Steam heat; city water; everything convenient. One mile from City Hall in city of 125,000. Possession June 10, 1903. Enquire Chas. D. Thayer, Proprietor, 8 Ripley St., Worcester, Mass.

FOR SALE—Modern plant of 10 greenhouses, about 25,000 ft. of glass; with land, stock, fixtures, and good will of business; 30 years established and under one management, but completely rebuilt in last 10 years. Entire products sold retail; the largest place of kind in New Hampshire. Relief from business cares reason for selling. Books open. Ellis Bros., Keene, N. H.

FOR SALE OR TO RENT—Greenhouse plant of 10,250 feet of glass with one acre of land; glass 10 x 14, set 14 way; heated by hot water; everything in good shape. Houses fit for carnations, violets, chrysanthemums, roses and general stock. At Bennington, Vt. A good stand and small competition. Will be sold cheap. Owner has other business. Full particulars of W. G. Richardson, 18 Main St., Somerville, Mass.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant consisting of eight greenhouses, ranging in size from 12x100 to 30x130, also work shed and modern up-to-date office and store room attached. For particulars address

S. S. SKIDELSKY,
708 No. 16th St., Philadelphia.

Mention the Florists' Exchange when writing.

For Sale OR TO Lease

FOR A TERM OF YEARS.

In a town of ten thousand population, ten miles from the center of Boston, four greenhouses, a dwelling house, and about 40,000 feet of land. The greenhouses contain about 6,000 feet of glass, in good repair, heated by steam. The dwelling house has ten rooms, hot and cold water, and sewer connections. The land has a frontage of about 100 feet on the main street, where electric cars pass the door every fifteen minutes.

For further particulars apply to

PATRICK WELCH,
WELCH BROS.,
No. 15 Province St., Boston.

Mention the Florists' Exchange when writing.

HAMMOND'S GENUINE French Bordeaux Mixture

True Blue Color. Butter fine; ready for dilution. Sold by Seedsman. Send for pamphlet to

HAMMOND'S SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes

Write us for prices before ordering elsewhere.

ALSO MODEL EXTENSION CARNATION SUPPORT:

IGOE BROTHERS, 226 North 9th St., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

MISCELLANEOUS

WANTED, 1000 Mrs. T. Lawson and 500 Flora Hill carnations from soil. E. S. Pirnie & Son, Remsen, N. Y.

WANTED, Echeveria in any quantity up to 2000. Send sample and price to Alburger & Cascaden, Cynwyd, Pa.

WANTED to rent, near New York or Newark, N. J., 8,000 feet of glass in good condition. Address R. J., care Florists' Exchange.

WANTED to lease, small florist place near New York; must be in good condition. State terms. J. Christensen, 250 Adams St., Brooklyn, N. Y.

WANTED to lease, about 8000 ft. of glass in good order, suitable for rose growing; state full particulars. Address T. B., care Florists' Exchange.

WANTED

Past season's rose bush stock that has been forced in greenhouses in large quantities.

Quote Lowest Cash Price

Stating quantities and varieties.

ADDRESS

Box 34, Station F,
WASHINGTON, D. C.

FOR SALE—New greenhouse material as follows: New 2-in. Black Pipe, long lengths, 10 cts. per ft., 6 x 8, 50 ft. boxes, American glass, single, $2.25 per box; 6 x 8, 50 ft. boxes, American glass, double, $2.70 box; 6 x 8, 100 ft. boxes, French glass, single, $4.00 box; 12 x 14, 16 x 18, 14 x 14, 50 ft. boxes, American glass, double, $3.60 box; 12 x 12, 10 x 14, 50 ft. boxes, American glass, single, $2.40 box. Clear Gulf Cypress Greenhouse Material and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

Large Boiler For Sale

Bundy boiler, nine sections, used two seasons, fine order. Price $150.00, f.o.b.; about one-third price of new. Apply to

JOHN WALSH, Manager Boston Flower Market,
Columbus Ave., BOSTON, MASS.

FOR SALE CHEAP

FOR CASH

One Side Feed Gorton Steam Boiler; One Gurney Bright Idea, Two Hitching's No. 57; One Perfect No. 24; One Perfect No. 25.

MANN & BROWN, Richmond, Va.
5 W. Broad Street

TWO HITCHINGS BOILERS—No. 16; guaranteed in good order; $60.00, with new grates. One Rider engine No. 6, almost new, $110.00. One Ericsson engine No. 8, $80.00. One Ericsson No. 6, $60.00. These engines are guaranteed in good working order. One Aquarium fountain, $12.00; cost new, $65.00; 500 boxes of new 10x12 glass, not quite up to double-thick standard, $3.15 per box. New rubber hose, guaranteed for one year to stand 125-lb. pressure, 7½c. per ft. New 2-in. wrought iron pipe, 10c. per ft. Second-hand, 2-in., 8c. per ft.; 1½-in., 5½c. per ft.; 1¼-in., 4½c. per ft.; 1-in., 3¼c. per ft.; ¾-in., 3c. per ft. Write for prices on all kinds of tools and lumber. Manhattan Supply Co., removed to 440-442 11th Ave., New York.

Waterville, Wash.

The Douglas County Horticultural and Floricultural Association has been organized, with headquarters in this city. R. J. Waters is president and Wm. Edmunds vice-president.

ASHTABULA, O.—The Ashtabula Greenhouse Company's plant was damaged on the morning of April 27 by fire when the packing houses were destroyed. The fire was caused by the explosion of a lamp. The structures will be rebuilt at once.

COLEUS Verschaffeltii, Golden Bedder and other good sorts, from plants, no cuttings have been removed, from 2½ in. pots, $2.00 per 100; $17.00 per 1000. 200 Begonia Vernon, 2½ in. pots, in bloom, $2.00 per 100.
Cash with order.

MRS. M. CAVANAUGH, Iona, N. Y.

Mention the Florists' Exchange when writing.

Grand Rapids VIOLET STOCK

Imperial, M. Louise and Swanley White, R. C. and divisions, $10.00 per 1000.

Lady Campbell, $7.50 per 1000; pot plants, $25.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

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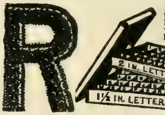

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The Benefits of Observation.

The daily routine work of the gardener may seem tedious and monotonous to the casual observer, or to the novice, but there is hardly any better opportunity for intelligent observation and study than the regularly repeated watering, cleaning, picking of flowers, and other handlings of the plants which are entrusted to one's care; and if any interest at all is taken in the work it will soon be found a source of keen pleasure.

When given charge of a range of propagating houses in a large nursery in France, your correspondent, after thoroughly cleaning and rearranging a house in which a collection of exhibition araucarias was grown, asked the proprietor what work should be taken in hand next. He said: "You have done this very well, and I want you to go over all the plants again and rearrange them." Noticing my astonishment at the paradox of his words, he added: "I want you to get well acquainted with each of these plants, and you cannot do that better than by handling them often."

I have since found the truth of this good advice. If a gardener has once learned to make observations he will soon find many points to make comparisons, to draw general conclusions. By a chain of simple observations he will be able to determine the cultural requirements of the plants, and not only become an intelligent and successful cultivator, but find pleasure even in the seemingly monotonous manual labor which the growing of plants involves.

This is, of course, nothing new to the readers of the interesting columns of The Florists' Exchange, but it would be highly instructive and assuredly very interesting if some of the many experienced cultivators would tell us how their observations have led them to the rational methods of cultivation which have brought about their success; it would be one of the best possible lessons to beginners.

If your correspondent adds a little story of his own experiences it is only in the hope that it may induce abler pens to take up the subject. One of the most interesting observations I had occasion to make was on the Phœnix, date palm.

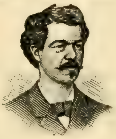
The culture of the phœnix, during its growing season in a hot bed, requires frequent syringing, without which it cannot be kept clean of insects. Now, if the thorough syringing is repeated twice or three times a day it takes the place of a watering at the same time; for the water which falls on the leaves is carefully guided from the pinnæ to the rachis and down the furrow of the rachis by the stem to the roots. This seems to be of little importance when the plants are under careful cultivation; but not so when they are left to take care of themselves, where they grow outside, as I had occasion to find out on the coast of the Mediterranean Sea. The most striking difference between these palms growing in our greenhouses, or conservatories, and growing outside, is their disinclination to form a stem under artificial cultivation, while under natural conditions they make stems very rapidly, and the more so the more they are exposed to the scorching sun, or the poorer the soil is in which they grow; the latter is especially very noticeable, and was an interesting link in my observations.

In the beautiful beech forests of my native country, on the Baltic Sea, in northern Germany, I had learned to look upon the tall, straight stems of the crowded trees as a result of the struggle for a place in the sunlight. A chance observation, while felling a tall date palm, revealed to me the mission of the stem of the palm in question; also as a means to overcome the adversities of the climate or its environment, but in a different manner altogether. It is the lot of the date palm to grow in a clime where the supply of moisture is very irregular, and where the sun heat is the most intense, when the plant, had it to rely altogether on the moisture of the ground, would be the least able to find a supply. But the date palm has proved itself equal to the emergency; it has, one might be inclined to say, intelligently forearmed itself; in spite of the scorching sun it carries its head boldly upright. True, wisdom grows with age, and even a young date palm seems to need a harder lesson than a good example, for we see that only as the plant matures does its adaptation to the severe climatic conditions develop—in the shape of a stem. This stately stem, from which the ancient architects obtained their inspiration when they modeled the classic columns of their temples, is a well-prepared water reservoir, and can teach us the prudence of providing for a rainy day.

The stem proper is surrounded by a thick coat of woody material, the remnants of leaf stalks intertwined with the fiber, which once served to protect the leaf in its tenderest youth. Long since have these organs ceased to fulfil their primary duties; but they are not shed, because they are not past usefulness. When the leaves grow old, dusty, storm-beaten and scorched they gradually curve downward, and piece by piece is destroyed until the short hard base of the stalk remains. By the downward curve of the leaf these remaining ends are turned outward, away from the stem, and leave a good opening from the top. As one leaf after another passes through this process the remaining pieces gradually form the firmly coherent bark-like coating which envelops the stem proper. When rain falls on the leaves, or the heavy dew which is peculiar to these climes is deposited on them, they carefully guide the waters down into the opening between the stem and its coat. The inner layers of the dead material are transformed into a spongy matter by the influence of the moisture, which makes it admirably fitted to retain the water; and as the outer layer remains intact, the entire stem of a date palm is thus surrounded with a reservoir of moisture. In order to make the food thus provided available to the plant the stems send out a lot of rootlets into this spongy, damp compost.

Thus hidden from man's eye, and well protected against the thirsty sun, has the plant insured itself against a possible want of food.

Under artificial cultivation, when the gardener provides plenty of food, there is no necessity for this natural reservoir, and we need not wonder at the reluctance with which it is formed; and when the palm is planted in rich soil of the Italian gardens it shows the same disinclination to form the stem which characterizes the same palm as it grows on the African coast, in a sandy, poor soil. T. E.



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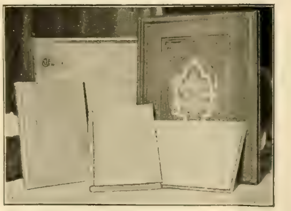

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Good strong stock, just right for planting out, 3 n., $8.00 per 100; 3½ in., $9.00 per 100; 4 in., $10.00 er 100.

100 Asparagus Plumosus Comorensis, in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 100 6-in. ans, strong, healthy plants. Write for price.

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Belmoreana and Forsteriana, 4 in. pots, $6.00 er doz.; 7 in. pots, $2.00 to $2.50 each; larger lants, $3.00 to $15.00 each. Kentia Forsteriana, ½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 00. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100,

Geraniums, 3½ in. pots, $7.00 and $8.00 per 100.

Heliotrope, 3½ in. pots, $6.50 per 100.

Fuchsias, 5 in. pots, $12.50 per 100; 3½ in. pots, $6.50 per 100.

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Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

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Is rapidly growing in popularity among those careful growers who have been watching its progress during the past few months. Large specimens are exceedingly graceful.—American Florist, April 4.

Beautiful plants, 3-inch, $20.00 per hundred, now ready.

Boston Ferns. Orders booked only for large and small plants. Book early.

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100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters Marigold, etc., etc.

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In. pots	Ins. high	Plants in pot.		Each	Doz.	100
5	30	3 to 4	Fine plants...	$0 50	$5 00	$40 00
6	30 to 34	3 to 4	" "	75	8 00	65 00
6	36	3 to 4	" "	1 00	11 00	90 00
7	40	3 to 4	" "	1 50	17 50	125 00
7	40	3 to 4	Extra strong	1 75	20 00	
			Extra fine.....	2 00	22 50	
			Extra strong..	2 50	27 50	

KENTIA BELMOREANA.

In. pots	Ins. high	No. leaves	Each	Doz.	100
5	24	6 to 7	$0 60	$6 50	$55 00
5	24	6 to 7	0 65	7 50	60 00
6	24 to 28	6 to 7	1 10	12 00	95 00
6	26 to 30	6 to 7	1 15	13 00	110 00
6	36 to 38	6 to 7	1 50	17 00	
7	38	7 to 8	2 00	22 50	
7	38 to 40	7 to 8	2 25	24 00	
7	40	7 to 8. Selected plants	2 50	27 50	

KENTIA FORSTERIANA.

	Each	Doz.	100
5 in. pots, 24 in. high, 5 to 6 leaves.	$0 50	$5 50	$40 00
5 " 30 " "	0 85	9 00	70 00
6 " 36 " "	1 20	13 50	110 00
7 " 40 " "	1 75	20 00	
7 " 40 to 45 " "	2 00	22 50	

BUSH KENTIAS.

3 and 4 plants in a pot grown and established together.

In. pots	In. high		Each	Doz.	100
5	18	3 to 4 plants in pot	$0 65	$6 50	$50 00
5	20 to 24	3 to 4 plants in pot	0 75	8 00	67 50
6	36	3 to 4 plants in pot..	2 50	22 00	

KENTIA WENDLANDII.

In. pots	In. high		Each	Doz.
5	20 to 24	5 leaves	$0 50	$5 00
5	15 to 18	4 to 5 leaves	0 35	4 00

DRACÆNA INDIVISA.

	Each	Doz.	100
4 in pots, 12 to 15 in. high	$0 16	$2 00	$12 50

DRACÆNA FRAGRANS.

In. pots	In. high		Each.	Doz.
5	12 to 15	Fine thrifty stock	$0 50	$5 00
6	18 to 20	" "	0 75	8 00
7	20 to 14	" "	1 00	11 00

DRACÆNA MASSANGEANA

In. pots		Each.	Doz.
5	Fine plants for growing on	$0 75	$8 00
5	Fine plants -fine color.	1 00	11 00

PANDANUS UTILIS.

	Each	Doz.
6 in. pots, fine healthy plants ..	$0 50	$5 50
7 " " " "	75	8 00
7 " extra fine and strong	1 00	11 00

CROTONS in the Finest Varieties.

	Each	Doz.	100
4 in. pots, in good condition	$0 25	$2 75	$20 00

GARDENIA VEITCHII.

True Winter-Flowering Variety.

	Each	Doz.	100
5 in. pots, fine stocky plants	$0 75	$8 00	
6 in. pots, fine stocky plants with flower buds	1 00	11 00	
6 in. pots, extra fine stocky plants, with flower buds	1 50	16 00	
3 in. pots, will be ready for shipment June 1st	35	4 00	30 00

CANNAS.

Of all the Leading Varieties.

	Doz.	100
4 in. pots, strong, well-established plants	$1 25	$9 00

DAHLIAS.

From 4 in. pots, well-established plants, consisting of all the newest varieties of Cactus, Decorative, Fancy, Show and Pompon	1 00	7 50

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PALMS

	Pots.	Per doz.	Per 100
Areca Alba	2½ in.	$1.00	$7.50
" **lutescens**	4 "	2.00	15.00
" " bushy	5 "	4.00	30.00
Chamædorea latifolia	3 "	1.60	10.00
Cycas revoluta, 1-2 leaves.	2½ "	1.25	10.00
" " 2 4 "	3 "	1.50	12.00
Euterpe stenophylla	3 "	2.50	20.00
Latania Borbonica	2 "	50	3.50
" "	3 "	75	6.00
" "	4 "	1.50	11.00
" "	5 "	2.50	20.00
Oreodoxa regia	4 "	2.00	15.00
Phœnix Canariensis	3½ "	1.50	10.00
" **Leonensis**	7 "	6.00	45.00
" **Pusilla**	4 "	2.00	15.00
" **reclinata**	2 "	50	3.50
" "	3 "	75	5.00
" "	4 "	1.00	8.00
" "	5 "	2.25	18.00
" "	6 "	3.50	28.00
" "	7 "	6.00	45.00
" **rupicola**	2 "	75	6.00
" "	5 "	2.50	20.00
Ptychosperma Macarthuriæ (Kentia Macarthuriæ)	3 "	1.50	10.00
Ptychosperma Macarthuriæ (Kentia Macarthuriæ)	5 "	5.00	35.00
Sabal Palmetto	3½ "	2.00	15.00
" **umbraculifera**	3 "	1.75	12.00
Seaforthia elegans	3 "	1.00	7.00
" "	4 "	2.00	15.00
" "	5 "	3.50	28.00
Thrinax Barbadensis	2½ "	1.50	12.00

FERNS

Alsophila australis, specimens in 7 in. pots, 60 cts. each.

Adiantum fulvum, 2½ in. pots, 60 cts. per doz.; $4.00 per 100.

Adiantum lunulatum, 2½ in. pots, 75 cts. per doz.; $5.00 per 100.

Adiantum pubescens, 5 in. pots, $2.50 per doz.; $20.00 per 100.

Adiantum hybridum (new), 5 in. pots, 35c. each.

Blechnum braziliensis, specimens, in 6 in. pots, at 50 cts. each.

Blechnum occidentale, from beds, 3 cts. to 8 cts. each.

Lomaria gibba, 3 in. pots, $1.00 per doz.; $7.00 per 100.

Lygodium scandens, seedlings, $1.50 per 100. 3 in. pots, 75 cts. per doz.; $5.00 per 100.

Nephrolepis Bostoniensis, from beds, 3 cts. to 8 cts. each.

Nephrolepis davallioides furcans, from beds, 6 cts. to 20 cts. each.

Nephrolepis cordifolia, from beds, 3 cts. to 8 cts. each.

Nephrolepis cordata compacta, 5 cts. each.

Nephrolepis pectinata (dwarf), from beds, 3 cts. each.

Nephrodium hirtipes, 3 in. pots, 75 cts. per doz., $6.00 per 100.

Onychium japonicum, 2½ in. pots, 50 cts. per doz.; $4.00 per 100.

Pteris adiantoides, 2½ in. pots, 50 cts. per doz., $4.00 per 100.

Pteris tremula, 4 in. pots, $1.00 per doz.; $7.00 per 100.

Selaginella cuspidata, from beds, 4 cts. each.

Selaginella hematodes, from beds, 6 cts. each.

MISCELLANEOUS

Decorative and Useful.

	Pots.	Per doz.
Aralia Guilfoylei	3 in.	$1.00
" **papyrifera**	3 "	1.50
Amomum cardamomum	3 "	75
Asparagus Sprengeri	3 "	60
" "	4 "	1.00
" "	6 "	2.00
Bignonia Venusta	4 "	1.00
Cattley Guava, bushy (red)	3 "	75
" " " (yellow)	4 "	1.00
Chinese Cinnamon, bushy	4 "	1.00
Camphor, bushy	4 "	1.00
Cupressus torulosa, very ornamental conifer. 3 in. pots 75c. per doz.;	4 "	1.25
Cestrum diurnum	4 "	1.25
" **elegans**	3 "	75
" **nocturnum**	5 "	1.50
Dieffenbachia Bausei	3 "	1.50
" **Nobilis**	3 "	1.50
Grevillea robusta	3 "	50
Hydrangea Thos. Hogg, Red Branched and Otaksa	2 "	40
Jasminum Maid of Orleans, and Sambac, strong	3 "	75
Jasminum—Officinale, Simplicifolium, Gracillimum, and Humile.	4 "	1.00
Mackaya bella	4 "	1.50
Meyenia erecta, blue	4 "	1.25
" **alba,** white	5 "	1.50
Mangifera Indica	3 "	1.50
Oleander. Single White, Madonna grandiflora, double Pink, and Carneum. 1 year old, strong	3 "	75
Panax plumatum	3 "	75
" **excelsum**	3 "	75
" **Victoriæ**	3 "	75
Pandanus utilis, strong	3 "	1.25
" " "	4 "	2.00
Pittosporum Tobira, bushy	3 "	75
Pinus Massoniana	2 "	40
" "	3 "	60
" "	4 "	1.00
Poinsettia, strong, $3.00 per 100..	2 "	50
Solanum jasminoides	3 "	50
" **Seaforthianum**	3 "	60
" **Wendlandii**	3 "	60
Swietenia mahagoni	4 "	1.50
Tamarindus indica	4 "	1.50
Tecoma capensis	4 "	1.25
" **jasminoides**	3 "	75

Bedding Plants

Alocasia illustris, open ground, per doz., 50 cts.; per 100, $3.50.

Alocasia Marshalli, open ground, per doz., 50 cts.; per 100, $3.00.

Acalypha Marginata, 4 in. pots, $1.50 per doz. (bushy.)

Acalypha Miltoniana, 4 in. pots, $1.50 per doz. (bushy.)

Acalypha Musaica, 3 in. pots, 75 cts. per doz.

Acalypha tricolor, 3 in. pots, 75 cts. per doz.

Acalypha Sanderi, 3 in. pots, $1.00 per doz.

Allamanda Hendersoni, 5 in. pots, $2.00 per doz. (bushy.

Allamanda nerilfolia, 5 in. pots, $2.00 per doz. (bushy.

Allamanda Williamsii, 5 in. pots, $2.50 per doz. (bushy.

Cæsalpinia pulcherrima, 3 in. pots, $1.50 per doz. (novelty.

Cæsalpinia regia, 3 in. pots, $1.50 per doz. (novelty.)

Crotons, very fine assortment, 20 best varieties, 2½ in. pots, 75 cts. per doz.; $5.00 per 100. 3 in. pots, $1.00 per doz.; $8.00 per 100.

Phyllanthus rosea-pictus, 4 in. pots, $1.50 per doz.; $12.00 per 100.

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BOOKS.

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Peter Barr, V. M. H., who has been on a globe-trotting tour for four or five years past, is expected home in London this month. The veteran should now write a book on his experiences, and what he saw of horticultural interest abroad, which, to judge from his several communications to the technical press, must have been a great deal.

NEW BOOKS.

The AMERICAN CARNATION—How to Grow It. By Charles Willis Ward, Cottage Gardens, Queens, N. Y. Publishers, A. T. De La Mare Printing and Publishing Company, Ltd., New York. Price, $3.50.

In previous issues mention has been made of this valuable work, and a general idea of its scope and character outlined. The book has now made its appearance in completed form, and the author and publishers are to be congratulated on its excellence, both from the viewpoint of high-class bookmaking and the pre-eminently practical and serviceable nature of the contents.

The whole subject of carnation culture is completely covered, and that the work has been done thoroughly will be readily admitted when it is stated that the methods which have placed the author in the position he occupies as one of the most successful carnation growers in America are given in detail; these being supplemented by the practices of other men in the forefront in the carnation world, such as Messrs. Fred Dorner, E. G. Hill, Peter Fisher, Richard Witterstætter, W. R. Shelmire, Henry Weber and John H. Sievers, in the United States, and of John H. Dunlop, in Canada. Four colored plates and one hundred individual illustrations, most of the latter explanatory of the context, add to the value of the book.

The author, after dealing briefly with the origin and early history of the carnation, passes to an interesting account of the development of the flower by American growers, commencing with the introduction of the plant into the United States in 1852, by Charles Marc, of Bloomingdale, N. Y., giving in detail the achievements of Messrs. Dailledouze, Zeller, Heintz, Thorpe, Wm. Swayne, Sewall Fisher, W. P. Simmons, Starr, McGowan, Chitty, Tailby and others of the early experimenters down to the labors of our modern carnationists.

To show the magnitude of the carnation industry in America at present, Mr. Ward estimates that "from seven to eight million plants are annually grown, producing upward of one hundred million blooms per annum, cut and sold in the various markets of the United States and Canada. These flowers are estimated as selling at an average of four dollars per hundred, or four millions of dollars for the entire annual output. About the year 1890 the retail prices of carnations ranged from twenty-five to fifty and at occasional times seventy-five cents per dozen. At the present time the average retail prices in the larger cities of the United Sates stand at from seventy-five cents to five dollars per dozen, and, in rare instances, especially fine blooms are sold as high as eight to twelve dollars per dozen." This is a record that no other commercial floricultural staple can show in the short period of a decade, and testifies to the wonderful improvement of the flower, and its popularity with the purchasing public.

General cultural work is then exhaustively dealt with. Particularly valuable are the chapters on manures and fertilizers, on the construction of houses and benches, especially the text treating on sub-irrigation benches, with which latter the author has probably had a more extended and varied experience than any other carnation grower anywhere.

In the preparation of the chapter on Greenhouse Heating the author has had the assistance of a skilled, practical engineer, with the result that the subject is handled in a most masterful manner.

If Mr. Ward has excelled in any one branch of carnation culture, it has been in the raising of new varieties, several of the best commercial sorts of the present day being of his production. It is natural, then, that his methods relative to the breeding of new carnations should be of superlative interest and value—which they undoubtedly are—to every one engaged in that, the most fascinating pursuit connected with the carnation cult.

As is well known, there is no generally accepted classification of our carnations. That adopted by the author has certainly convenience as one of its merits. For breeding purposes he has divided his stock into the following eleven classifications:

1. Fancies: These embrace varieties with white, yellow, or other self-colored grounds, which are strikingly and peculiarly marked.
2. The Purple and Blue Section: This covers all shades of purple, mauve, and such as might be liable to produce a blue-colored carnation.
3. Crimson or Maroon: Most of the so-called crimson carnations are really deep scarlet grounds, which are covered with a veiling or sheen of maroon.
4. Scarlet Section: Needs no description.

The pink are divided into two sections:

5. Light Pinks: Embracing shades of the flesh, or salmon, commonly known as the Daybreak type, and
6. Dark Pinks: Exemplified by William Scott, and such dark varieties as Mrs. Thomas W. Lawson, Mrs. Theodore Roosevelt, and others.
7. Whites, requiring no description.
8. Yellow, variegated: These are yellow grounds which are striped, spotted, or bordered, with various colors such as scarlet, pink, etc.
9. White, variegated: White grounds, with various colored markings.
10. Pink, variegated: This is a section which is the result of seed sports derived from crimson crosses. The ground color of the flower is usually of a Daybreak shade of pink, and the variegations are almost always maroon or crimson.
11. A Fancy Section, which might be called "Flake," of which class Prosperity is a good example.

Mr. Ward takes the stand that no single form of carnation can be judged as perfect or ideal; but that many variations in type may be sucessfully grown and will please a wider range of people than if one formal type be produced. This, however, does not prevent the fixing of a scale of virtues which all good carnations should possess. These necessary attributes might be stated, he says, as color, fragrance, substance, form, habit and general appearance when the blooms are massed. Fragrance he considers one of the cardinal virtues of the carnation, "for throughout its entire history its fragrance has been noted as one of its chief attractions. A carnation without fragrance always seems to me like the comb without the honey." With which homely simile many interested in the continued popularity of the flower will agree. The author also believes that too much prominence has been given to the size of carnation flowers, and that "in the end we may commit the error of producing coarse blooms, deficient in fragrance and grace, and thereby impair the popularity of our carnations. Flowers two to two-and-a-half inches in diameter are large enough for ordinary carnations, and two-and-a-half to three-and-a-half-inch blooms. with an occasional 'Jumbo,' four inches across, should satisfy the craving for large size."

This is a point on which there may be difference of opinion. The large, symmetrical flower has certainly the preference at the present time; and size forms no barrier to public predilection, just yet.

The author is of opinion that carnation growing is a profitable business, if properly conducted, yet there is no calling that requires closer attention, or more constant personal application than that of the commercial florist. He furnishes some sterling advice on the necessity of tidy, well-kept establishments. A Monthly Calendar of Operations is an important feature of the book. The American Carnation Society and its useful work are dealt with in detail, and a list of American carnations, compiled by that Society up to 1899, is provided. This list, brought down to date, would have given it an added value.

Not the least interesting part of the volume are the biographical sketches of the men who have been instrumental in raising the Divine Flower to its present degree of perfection and popularity. Mr. Ward fittingly dedicates the book to "That body of enthusiasts, my fellow-members of the American Carnation Society, whose love of and devotion to the Divine Flower have enabled them to accomplish so much in so short a period of time."

A very complete index is furnished.

While exception may be taken by the hypercritical to the omission from the work of matter pertaining to the botany of the carnation, still, in view of the intent and purpose of the volume—that of a practical, working hand-book for the carnation grower—the omission is not a s rious one.

"The American Carnation" will take its place as the standard work of its class in America, and it is likely to hold that position for some time to come.

Obituary

Henry Bird.

Henry Bird, whose death was announced last week, was widely know as a horticulturist in business, an evolutionist in thought and a contributo to the local newspapers.

Mr. Bird was born in Warwickshire England, sixty-five years ago. H came to this country in 1860, lived a short time in Philadelphia, and then went to Newark and started the floris business, which he had learned in hi native land. He conducted a place in Newark and a larger one in Kearn township until five years ago, when h retired from business.

Mr. Bird was a well-read man. H was an admirer of Colonel Ingersol and his doctrines, and he was extremely liberal in his ideas of religion an other matters. He was president o the Newark Liberal League, made addresses at its meetings and delivere lectures in many cities.

Mr. Bird was married twice. A widow and three daughters, the youngest of whom is six years old, surviv him.

MAGAZINES RECEIVED.

FLORA AND SYLVA, a Monthl Review for Lovers of Landscape Woodland, Tree or Flower. New an Rare Plants, Trees and Shrubs, Fruit and Vegetables. The Garden Beautifu Home Woods and Home Landscape Edited by W. Robinson, author o "The English Flower Garden." Editorial offices, 63 Lincoln's Inn Fields London, W. C. Price, 2s. 6d. net.

Such is the title and scope of Mr Robinson's new magazine, a copy o No. 1 of which has just been received Among the interesting articles furnished in this number is one on "Tre Notes from Rochester," by George H Ellwanger, of that city; and one o "Evergreen Trees of the Easter States," by Arthur Herrington, o Madison, N. J.; "A Revision of th Genus Calochortus," by Carl Purdy, c California. Colored plates will be feature of the magazine; those presented in the current issue being Magnoli rustica fl. rubra; Calochortus clavatu and C. nitidus. The typography is excellent and the literature provide high class. Under Mr. Robinson's direction the success of Flora and Sylv can be safely predicted.

FIRMS WHO ARE BUILDING.

PEORIA, ILL.—Cole Bros. will remode their greenhouses.

DOYLESTOWN, PA.—Clemens & Collins are rebuilding two of the greenhouse on South Main street, and putting other in first-class condition.

READING.—G. Palmer is building new greenhouses on his premises.

BATTLE CREEK, MICH.—Henry M Burt is erecting another greenhouse.

BATH, ME.—The Kennebec Nursery Company is adding a greenhouse 150 x 2 feet.

CORNING, N. Y.—A. H. Woeppel has purchased a plot of three and one-half acres, and will erect greenhouses thereon

DE SOTO, MO.—A. Hibbert is enlarging his greenhouse on the corner of Third and Fletcher streets. The firm name will be changed to Hibbert Floral Company, S. H. Hibbert, president, and A. Hibbert, secretary. Messrs. Hibbert will construct two thousand square feet of glass and have a strictly modern and up-to-date floral establishment.

DIGHTON, MASS.—Ellery Briggs is making an addition to his plant.

SUPERIOR, WIS.—Miss O'Sullivan will erect a new greenhouse at Billings Park in the place of the one destroyed by fire.

The United States Department of Agriculture has fourteen bureaus and divisions, employs 4,000 persons, and has an appropriation for the coming year of $5,000,000. All this is the outgrowth of the first attempt in 1832 by the national Government to help the farmer when $1,000 was appropriated.

Sweet pea fields in Canada were kept comparatively free from lice by spraying with a solution prepared by soakink ten pounds of tobacco leaves and dissolving two pounds of whale oil soap in one barrel of water.

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange will publish every week voluntary statements, each limited o fifty words, from its advertisers, alling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

L. H. Foster, Dorchester, Mass., says: Boston ferns are in demand this Spring. have 20,000 growing; 100,000 small lants for June-July delivery. The Anna Foster is proving all I have claimed for t; 20,000 are now ready."

F. R. Pierson Company, Tarrytown, N. Y., call attention to their offering of the gold medal fern Nephrolepis Piersoni. The demand for this fern grows heavier every day. Now is the time to invest in stock and get the benefit of the wave of popularity.

Richard Vincent, Jr., & Son, White Marsh, Md., say: "We call attention to our offer of hardy chrysanthemums. This class of chrysanthemums is growing n popularity every year; the demand for he plants at present is very brisk. We re also the largest growers of vegetable plants in the country."

Byer Bros., Chambersburg, Pa., say hat their stock of the following is worthy of special mention: Umbrella plants, hort, stocky and fine value; cobæa, extra trong 3-inch stock; Salvia splendens, heavy 2-inch, will make big stock in hort time; Stevia serrata, in large quanities; smilax, fine for handling at once.

James L. Reynolds, fertilizer manufacurer, Mt. Vernon, N. Y., says: "To obain actual and positive results it is unquestionably necessary to use a manure hat has pure bone meal as its body, which is the most imperative ingredient n the composition. I manufacture pure fertilizer solely. Its prominence grows daily."

CHANGES IN BUSINESS.

BLOOMINGTON, ILL.—V. W. Fredrick has gone into the florists' business here.

MALDEN, MASS.—Edwin F. Kelly has sold out his business to Cooney & Burgess.

ANSONIA, CONN.—Joseph Willis has built greenhouses here, and will grow violets and force vegetables.

WESTBORO, MASS.—R. H. Caverly has leased the greenhouse at the corner of East Main and Lyman streets.

SANTA FE, N. M.—Articles of incorporation have been filed for the Raton Greenhouse and Nursery Company. The company is authorized to carry on a general greenhouse and nursery business. t is capitalized at $50,000, to be divided nto 500 shares of the value of $100 each. The term of existence is to be 50 years, and the affairs of the company for the first three months will be in the hands of the following board of directors, who are the incorporators: Charles Sandusky, James S. Bowdry, Thomas D. Leib. The company's place of business will be at Raton.

New York.

News Notes.

The meeting of the New York Florists' Club will be held Monday evening, May 11, in the rooms in the Grand Opera House Building, corner of Twenty-third street and Eighth avenue. Spring flowers, novelties and hardy plants are in order for exhibition t this meeting. Secretary John Young, 1 West Twenty-eighth street, will be glad to receive any exhibits, and will see that they are properly staged and aken care of.

The outing committee will hold a meeting immediately previous to the club's regular session, to perfect arangements for the printing and pubishing of the catalogue of sports to ake place at the outing on July 1.

Siebrecht & Sons, Fifth avenue, have leased for a term of 21 years the proprty at the northeast corner of Fifth avenue and Thirty-eighth street. The building was the residence of the late Austin Corbin, with frontages of 60 feet on Fifth avenue, and 125 feet on Thirty-eighth street. Extensive alterations will be made. The annual rental is $36,000.

The New York Market Florists' Association have got their tent erected on the site of the old Clinton Market, and are now sheltered from the weather. The idea to have a tent was certainly a good one, as a canvas shelter is a great deal better than no shelter at all, especially when one is doing business at 3 o'clock in the morning, as these busy men do.

J. H. Small & Sons have been showing in their Broadway store this week some well-grown plants of Cineraria stellata and some long vines of Stephanotis floribunda, covered with their lovely flowers. Business has been extremely brisk with this firm since Easter. A very elaborate decoration was done by them this week for a luncheon in the Waldorf-Astoria, given by Mrs. Howard Gould. The daily press of the city ventured the assertion that the decorations were ahead of any that had previously been seen in that hostelry. The ceiling and walls were hung with apple blossoms; lilac was the table flower, and for the ladies, corsage bouquets of moss roses were used.

On the Fifth avenue side of the Waldorf-Astoria Hotel two very fine specimens of Araucaria imbricata are to be seen. Seldom in this vicinity have such fine plants of this well-known monkey puzzle tree been observed. The trees are in large tubs, and have evidently been lately imported from the other side of the Atlantic Ocean.

The Rosary Flower Company, J. H. Troy, manager, is moving this week from 388 Fifth avenue to Thirty-fourth street. The new store is located between Fifth and Madison avenues, and when the furnishing is completed, it will be one of the model stores of the city. A spacious conservatory has been erected on the roof. This was built by Thos. W. Weathered's Sons, and will be a valuable addition to the flower store.

The fourth annual meeting of the Horticultural Society of New York will occur on Wednesday, May 13, at 4.25 p.m. The meeting will be held in the lecture hall of the Museum Building, New York Botanical Garden, Bronx Park. The business meeting of the society will be followed by an illustrated address on the flowers, fields and woods of Japan, by Mr. John K. M. L. Farquhar. The annual exhibition of the society will also occur on the same date in the large hall of the Museum Building. Various prizes are offered for collections of horticultural products; also the $50.00 prize for the best horticultural novelty, in plant, fruit, flower or vegetable.

H. C. Steinhoff, grower, West Hoboken, N. J., is in Bermuda inspecting the lily fields.

Mrs. Keenan, mother of M. Keenan, retail florist, 410 Myrtle avenue, Brooklyn, died at his home on Thursday, April 30, and was interred on the Monday following in Holy Cross Cemetery.

Robert, the 19-year-old son of A. Laub, florist, Hughsonville, N. Y., died on Wednesday morning. He had been sick with typhoid fever.

B. Suzuki and Charles Lechner sailed for Europe last week.

Reports from Japan indicate that the growing conditions are not very favorable for the longiflorum lilies.

Joseph Fleischman, the Broadway florist, has been one of the jurymen on the celebrated "barrel" murder case.

Cleary & Co. have discontinued their business as horticultural auctioneers at 60 Vesey street, and J. P. Cleary has opened a temporary office at 136 Liberty street.

Contents.

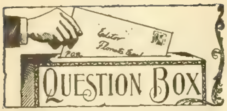
PAGE
Applied Scripture 539
Azalea Indica Alba (Illus.) 538
Azaleas at Ghent Quinquennial 538
Bermuda Lily Notes 526
Benefits of Observation, The 533
Books, New—The American Carnation 536
Bowling 540
Briefs for Busy Florists 538
Canadian News 540
Catalogues Received 540
Changes in Business 537
Carnations 543
Field Planting at Flatbush, N. Y. .. 543
Clucas & Boddington Co., New York 526
Coil Boilers, Duration and Care of .. 539
Ether, Forcing by, in France 538
Firms Who Are Building 536
Market, Review of the 541
Nursery Department 527
OBITUARY:
Henry Bird 536
Magazines Received 536
Question Box 538
Roses 539
Grafted (Illus.) 539
Seed Trade Report 525
Shrubs for Shady Places 539
TRADE NOTES:
Grand Rapids, Washington, Pa... 530
Boston, Buffalo, Norwalk, Conn., New York 537
Philadelphia, Washington 540
Pittsburg 546
Chicago, Cincinnati, Indianapolis, St. Louis 547
San Francisco 549
What Our Advertisers Say 537

INDEX OF ADVERTISERS

Allen J K 545
Amling E C 547
Anderson & Christensen 534
Andorra Nurseries ..528
Aschmann G 533
Atlantic Coast Nurs.526
Austin O H 526
Az P Loef & Co....527
Bader J 534
Baker W J 546
Bartram J H 542
Bassett & Washburn.542
Bayersdorfer H & Co 550
Beach Jas E 542
Beaulieu H 525
Benedict G H 530
Benson C W 527
Beckert W C 526
Berckmans P J Co..527
Berger H H & Co..524
Bernheimer E 546
Berning H G 547
Blaauw J & Co.....528
Black C 526-27
Blauvelt Bros 528
Bloom J S 544
Blue Hill Nurs......528
Bobbink & Atkins ...523
Bock W A 535
Bonnot Bros 545
Boston Letter Co....532
Bradshaw & Hartman 545
Brown Bros Co 526
Brown E C & Co...544
Brown P 529
Burpee W A & Co..525
Byer Bros 530
Caldwell the Woodsman 544
Cal Carn Co 543
Canadian Advts 541
Carmody J D 549
Cavanaugh Mrs M..533
Chase C S 528
Chicago Carn Co ...543
Chinnick W J 529
Clucas & Boddington 523
Coldwell Lawn Mower Co 550
Conard & Jones Co .530
Connell B 529
Coolidge Bros 530
Cottage Gardens ...543
Cowee A 525
Cowee W J 550
Cowen's N Sons....548
Cox Seed Co 525
Craig R & Son......534
Crooke J J Co......544
Crowl Fern Co 544
Cunningham J H ...529
Cut Flower Ex 545
Dailledouze Bros ...543
Darling C T 543
Davis A B & Sons ..524
Deamud J B 547
Deming Co 548
De Pew Bros 534
De Witt P M 544
Dietsch A & Co ...549
Diller, Caskey & Co.548
Dillon J L 529
Dillon G'house Mfg.549
Dimmock A 535
Dorner F & Sons Co.543
Dreer Hy A .525-42-49
Dumont & Co 546
Eichholz H 529-30
Eisele C 550
Eisele J G 534
Eisele W G 528
Elizabeth Nurs Co..525
Elliott W & Sons ..524
Elliott W H 523
Emmans Geo M ...534
Endtz Van Nes & Co 526
Farquhar R & J Co.526
Felthousen J E 520
F & F Nurseries ...526
Foley J 548
Foley Mfg Co 548
Foster L H 535
Frith C A V........524
Gammage & Son ...541
Garland G M 548
Ghormley W 545
Giblin & Co 548
Goodale B E 524
Greene & Underhill..529
Gullett W H & Sons.542
Gunther W H 545
Guttman A J 545
Haerens Bros 534
Hagenburger C 530
Hammond B 549
Harris E 529
Hammond J A 545
Harris E 529
Heacock Jos 542
Herr A M 529
Herr D K..........529
Herrmann A 550
Hews A H & Co....548
Hicks & Crawbuck..545
Hilfinger Bros 548
Hill E G & Co......547
Hill Top G'houses...528
Hippard E 548
Hitchings & Co 550
Holton & Hunkel Co.547
Hoopes Bro & Thomas 542
Horan E C 545
Hor'l Advertiser ...548
Howe J H 544
Hughes G J........530
Hunt E H 544-47
Igoe Bros 532
Jackson & Perkins Co 534
Jacobs S & Son ...549
Jennings E B.......528
Jessamine Gardens..528
Johnson & Stokes ..525
Jones H T 526
Joosten C H 544
Kasting W F.......546
Kay Wm H Co......549
Keir Wm 541
King Cons Co 550
Koster & Co 528
Kreshover L J 544
Kroeschell Bros Co..548
Kuhl Geo A 542
Lager & Hurrell..529-34
Landreth D & Sons.526
Lang J 545
Langjahr A H 545
Lawritzen C 529
Limbach C 548
Little So Floral Co..543
Livingston Seed Co.544
Lockland Lum Co ...549
Lord & Burnham Co 549
Lovett J T 528
Mader P 530
Madsen & Christensen 529
Manhattan Supply Co 532
Mathews G P 530
Mauger W & Sons..526
McCarthy N F & Co.546
McFadden E C 544
McKellar & Winterson 547
McManus J 545
Meyer C F 535
Michell H F 525
Mich Cut Flower Exchange 528
Minor W L 544
Molatsch H A 530
Moninger J C Co...550
Moon S C 528
Moon Wm H Co....527
Moore, Hentz & Nash 545
Mosback L 528
Muno J 547
Myers & Samtman 542
Nat Board Trade.. 544
National Plant Co..529
Neff L I 530
Neipp G F 530
N Y Cut Flower Co.545
Niessen L 546
Ouwerkerk P 526
Peacock W P 525
Pennock S S 534-46
Perkins J J 545
Phila Market 544
Pierce F O Co......550
Pierson F R Co....523
Pierson-Sefton Co...550
[illegible] Nurseries 527
Pittsburg Cut Flow Co 546
[illegible] 528
Pollworth C C Co..547
Potter & Cousins . 528
Queen City Mach Co 548
Rawlings E I 544
Rawson W W & Co 524
Rayner J I 545
Reimers Bros 535
Reed & Keller 525
Reck & Son 530
Reid Ed 546
Reinberg Peter 542
Reynolds J L Co....550
Rider Ericsson Engine Co 549
Riebel & Co 545
Ripperger Geo 550
Robinson H M & Co 544
Roemer F 528
Rolker A & Sons . 534
Rupp J F 529
Salter W H 533-42
Saltford Geo 545
Sander F & Son ..535
Schmidt J C 527-44
Schmidt & Botley . 530
Schmitz F W O.... 524
Schultheis A 542
Schunemann O T ...544
Scott J 534
Shellr'd G'houses . 525
Shepherd Mrs T B Co 524
Sheridan W F 545
Shurtleff J B & Son 530
Siebrecht & Son ..526-35
Sinner Bros 547
Slinn B S Jr.......545
Smith C 545
Smith N & Son ... 529
Smith W C [illegible]
Smith W & T Co [illegible]
Springfield Floral Co 528
Stern J 532
Stearns A T Lum Co 548
Stoothoff H A Co 540
Storrs & Harrison Co [illegible]
Stumpp & Walter Co 524
Sutherland G A .. 546
Swayne W 543
Syracuse Pottery Co 548
Taylor E J 542
[illegible] 529
Thompson J D ... 543
Thorburn J M & Co 523
[illegible] 533
[illegible] 550
[illegible] 535
Traendly & Schenck 545
Vanhorne Griffin & Co 548
Vaughan's Sd Store 524-25
Vesey W J & M S 543
Vick's Jas Sons ... 524
Vincent R Jr & Son 541
Weber C S & Co...548
Weber H & Sons....[illegible]
Webster Bros 541
Weeber & Don 525
Welch Bros 546
[illegible] P 544
Weston H 534
Whetstone & Co ...548
Whilldin Pottery Co.548
Whitton & Sons ...528
Wietor Bros 547
Winterich C 544
Wood Bros 533
Young J 545
Young & Nugent ...545
Zimmer Chas 544

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.
Abutilon 529-30-31-34-50
Acalypha 531-35
Achillea 528
Achyranthes 531-44
Ageratum ..529-30-31-50
Allamanda 530-35
Alpine Plants 528
Alternanthera 529
Alyssum ...529-30-31-44
Ampelopsis .525-27-28-29
Anemone 534
Anthericum 530-50
Aquatic Plants 525
Araucaria 530-34
Asparagus 525-28-29-30-34-35-44
Asters 530
Aucuba 523
Azaleas 526-28-34-35
Bedding Plants 535
Begonias ...524-29-30-34
Berberis 528-44
Bougainvillea 534
Bouvardia 550
Box 523-28
Bulbs (not named) 524-47
Caladium ...523-24-26-29
Cannas 523-25-26-27-28-29-30-31-34-35-44
Carex 530
Carnations ..529-34-43-50
Centaurea 529
Cestrum 535
Chrysanthemums 528-29-30-31-34-42-43
Cinerarias 529
Cinnamon Vine 524
Cissus 530
Clematis ...526-27-28-50
Cobaea 530
Coleus 529-30-31-34-35-50
Conifers 528
Coreopsis 528
Cosmos 530
Crinums 528
Crotons 534-35
Cuphea 529-30
Cut Flowers.544-45-46-47
Cycas 523-24-25-34
Cyclamen 530-44
Cyperus 529-30
Daffodils 426
Dahlias 523-24-25-26-30-31-35
Daisies 528-29-44-50
Decorative Plants ..534
Delphinium 528
Deutzia 528
Dielytra 526
Digitalis 528
Dracaena ..526-29-30-34-35-44
Evergreens ...523-26-27
Fern Balls 523-25
Ferns ..523-25-30-34-44
Ficus 523-34-35
Freesias 526
Fuchsias 528-29-30-31-35-44
Funkia 530
Gaillardia 528
Gardenia 523-35
Genista 530
Geraniums 528-29-30-31-34-35-42-44
Gladioli 523-24-25-26-34
Helianthus 528
Heliotrope ..529-34-35-44
Hemlock 528
Herbaceous Plants ..528
Hollyhocks 528-29-30
Honeysuckle 528
Hyacinths 526
Hydrangeas 526-28-29-34-35-42
Ipomoea 530-50
Iris 528
Ivy 529-30-31-34-42-44
Jasmine 535
Kin Kans 527
Lantana 528-50
Laurus 523
Lemons 527-28
Lilacs 526-28
Lilies 523-24-26
Lobelia 528-29-30-31-34-50
Lychnis 528
Madeira Vines 524
Myosotis 529-31-44
Narcissus 526
Nasturtium 529
Nursery Stock ...526-28
Oleander 535
Orange 527
Orchids 529-34-35
Palms 523-24-27-28-30-34-35
Pansy 528-29-30-31-42-44
Pardanthus 528
Pelargoniums 529-44
Peonies 526-28
Periwinkles 550
Petunia ..528-29-30-31-44
Phlox 544
Poinsettia 535
Primula 526-29
Privet 526
Rhododendron .523-26-28
Ribbon Grass 534
Roses ..523-25-26-27-28-29-30-34-42
Rudbeckia 528-31
Salvia ...529-30-31-34-50
Santolina 528
Sedum 531
Seeds (not named) 525-47
Shrubs 526-27
Small Fruits ..526-27-28
Smilax ..524-25-29-30-44
Solanum 535
Spiræa 526-29
Stevia 528-30
Swainsona 531
Trees 523-24-26-27
Tritoma 529
Tuberoses ..523-24-25-26
Tulips 526
Vegetables ...524-25-26-27-31
Verbena .528-29-31-44-50
Vincas 528-29-30-34
Vines 523-24-27
Violets 528-29-44
Water Lilies 531
Wistaria 528
Yucca 528
MISCELLANEOUS.
Auctioneers 546
Baskets 525
Boilers 548-49-50
Books 525-28
Collections 544
Cut Flower Boxes ..544
Decorative Greenery 544
Designs 546-47-48-50
Fertilizers 550
Florists' Letters ... 546
Fittings 548-49-50
Florists' Supplies 525-46-47-50
Flower Pots, etc .546-48
Galax 544
Glass 548-49
Glazing Points ... 549
Greenhouse Bldg 548-49-50
Gutter 548
Hose 549
Insecticides . 544-49-50
Lawn Mowers 550
Lumber 548-49-50
Mastica 550
Mushroom Spawn .. 524
Newspapers 548
Painters' Supplies . 548
Pipes, Joints and Valves 548-49
Pumps 549
Putty 548
Rustic Work 525
Sash 548-49
Sprayers 544-48
Stakes & Supports 544
Tinfoil 544
Toothpicks 550
Ventilators 549-50
Wants 532



Scale on Currant and Raspberry Bushes.

(109) Spray the bushes with Bordeaux Mixture. The mixture can be made by taking two pounds of copper sulphate and one and one-half pounds of lime, dissolving them in 32 gallons of water.

Scale on Spruce Trees.

(110) We have a great many spruce trees, and they are all sick from the affection of the spruce scale. We are spraying the sick trees with a solution of whale-oil soap, which Professor Atkinson, of the Cornell University, recommends in his book. He says to take two pounds of soap and one gallon of water, and spray the trees; but I have found that it is impossible to spray with such a strong and thick solution, because you can't force it through any pump. I take now 10 pounds of soap to 50 gallons of water, and I spray each tree so well that I am sure there is no branch which is not soaked with the solution of the whale-oil soap. I have noted that the trees which I sprayed about two weeks ago are again attacked by the spruce scale. These trees are 10 feet high, and they were all sprayed thoroughly. Last year we sprayed them with kerosene emulsion, but that did not help any. Can anything more be tried than we have tried?

What is the trouble with the picea enclosed? Quite a few on the place are like the sample sent. L. K.

—Either kerosene emulsion or whale-oil soap is supposed to kill scale insects. At certain stages of life several of these insects cannot be reached, being under the shell or scale, and it may be that this has been the case when you have sprayed. In early Summer the insects are usually active, and the spraying should reach them then. If you make your spraying continuous throughout the season you must surely catch them. One pound of whale-oil soap to five gallons of water is considered a good mixture.

The white pine sprig which you send has on it what is called white pine bug. It has much the appearance of the mealy bug of greenhouses. Whale-oil soap should fix it. J. M.

A Complete Fertilizer.

(111) Is good bone-meal as good a complete fertilizer as those generally advertised? In what proportion should I use it? How many pounds to the square yard should be applied for crops like chrysanthemums, carnations, mignonette, etc., in solid beds, and on raised (5 inches of soil) benches; also, in the open ground? My soil is rather light and porous, caused by using mostly horse manure.

OLD SUBSCRIBER.

—While a mixture of bone-meal and wood ashes will make a complete fertilizer, there is one serious objection to the mixture, and that is this—that the ashes would be likely to set free more or less nitrogen from the bone, especially causing loss of nitrogen if the mixture were not mixed with the soil soon after putting the bone-meal and wood ashes together. If the ashes cost $10.00 or more per ton, the potash can be furnished more cheaply in the form of muriate. If they were mixed for the purposes mentioned, I would suggest about equal parts, but in that case it would be desirable to use in addition some nitrate of soda. Of a mixture containing equal parts of bone-meal and wood ashes it would be well to use at the rate of 1,000 pounds to the acre for the purpose mentioned, and in addition to apply some nitrate of soda at the rate of 100 pounds to the acre.

[PROF.] L. L. VAN SLYKE,
Chemist.
N. Y. Experiment Station.

Forcing Daffodil Bulbs a Second Year.

(112) Subscriber.—The bulbs are no good for forcing purposes for next year, and it would be simply wasted effort to try and save them. If one has a garden, however, and wished to plant out the bulbs direct from the flats, a good percentage of them would eventually become established and would flower outdoors in the Spring of next year.

BRIEFS FOR BUSY FLORISTS.

RUBBER PLANTS.—It is not safe to plant the young stock outdoors before the first of June; but in the meantime the plants should not be allowed to become too much root bound in the small pots. Rather than have that occur, they should be given a shift into larger-sized pots at this time. While it is a fact that there was a large supply of rubbers on the market last Fall, it was only the poorer grown stock that was really difficult to dispose of. Growers who had good, well-branched plants were able to clear out all that they grew, without much effort. If one is receiving newly imported rooted cuttings at this time, a good way to handle them is to pot them up at once into three-inch pots, then plunge the pots in the sand on a propagating bench, keep them well shaded until the roots have begun to move, and remove the shading gradually, being careful that too much water is not afforded until the plants have started to grow.

NEW CARNATIONS.—If the new varieties that are to be grown should arrive at this time, or later, don't try to save labor by planting them direct into the field unless they have extraordinary strong roots, and have traveled without receiving the least injury. In all cases it is safest to plant the newcomers into flats, and grow them for a week or two, either in a cool greenhouse, or in a cold frame. Then when they are finally planted in the field they will make much better headway than they would do if planted directly after being received.

DAHLIAS.—As soon as all danger from frost is over, the dahlias may be planted where they are expected to flower. For cutting purposes, the cactus section is very useful, and a few of these should be in every collection. In preparing the bed, a generous quantity of well-rotted manure should be worked into the soil. After the plants are set out they should not be allowed to wilt in dry weather. Water them whenever necessary, and cultivate the soil around them regularly.

HANGING BASKETS.—This is a good time to have a lot of hanging baskets filled and suspended from the rafters of a cool house, where they can be seen readily. By doing the work at this time small plants can be utilized, and they will be well established and growing by the time they are required.

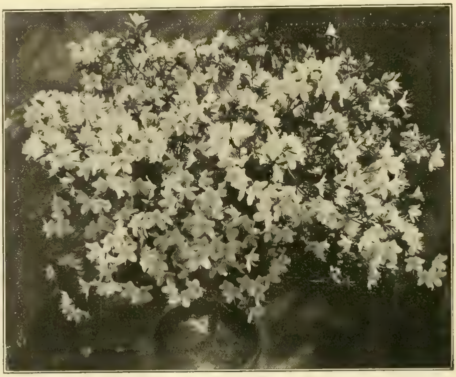
The man who plants his advertisement in a journal and keeps it there the year round, and every year, is the one who gets business and becomes known to the trade. Familiarity with an advertisement is akin to acquaintance with the advertiser. Class advertising.

Azalea Indica Alba.

To many old gardeners Azalea indica alba will appeal as being the first of all the genus they knew. It is one of the first of the introductions from China, its advent dating from the year 1808. To it we owe so many of the beautiful sorts now common in cultivation. Requiring no heat in Winter, being satisfied to be under cover only, even if in a building that freezes in severe weather, it is one of the easiest plants to winter over the gardener has to care for. Its growth is very slow when in pots or tubs, but this comes from the cramped condition of the roots. When planted out, growth is more rapid.

The slow growth referred to is also due to the plant's excessive flowering. The photograph gives an idea of the manner in which its flowers are produced yearly. It is no wonder but little growth is made. The demands of the flower exhaust it. The probabilities are that the plant illustrated has seen fifteen years of growth.

As it is recognized that the roots of a plant will spread naturally as far as the branches do, it will be seen how much too small the pot is for this plant. On the other hand, for conservatory purposes, very large plants are not the best, hence, so long as a plant keeps healthy and blooms well there is no call for a large pot.


AZALEA INDICA ALBA.

It is not well known that this azalea is hardy to a fair extent. There are some nice plants in the vicinity of Philadelphia, which have stood out many years. When in flower, as a hardy shrub, they are a wonderful sight.

Why may not other varieties prove as hardy? Every day gardeners are proving various plants hardy which have been thought not to be, and without doubt there are quite a number to be added to the list of sorts hardy in the North. JOSEPH MEEHAN.

Azaleas at Ghent Quinquennial Exhibition.

Among the best azaleas shown in the prize-winning exhibit of these plants, grown by F. Sander & Sons, St. Albans and Bruges, the Gardeners' Chronicle enumerates the subjoined varieties. The plants, it is stated, were models of what azaleas should be—flowers of large size, colors well chosen, both self-colored and parti-colored varieties being well represented.

The best whites were: Alba magnifica, Miss E. Jarrett, Kœnigin der Weissen, Anna Gunkel, Sacunthala and Madeline. Of crimsons: Obert von Kutzinsky, Apollo, Flambeau, General Postmeister, Stephan and Vesuvius. Of rose-colored varieties: Julius Roehrs, Memoria de L. van Houtte, Madame Van der Cruyssen, Liebig's Superba, Madame Louise Eeckhaute; lilacs: Temperance is the best. Of salmons: Mdlle. Marie Rosseel. Of parti-colored sorts: Paul Weber, Vervæneana, Madame Raphael de Smit, Mdlle. Emma Eeckhaute, Unica, Madame Joseph Vervæne, Madame Romaine de Smet, and Professor Walters the latter being the most distinct and best of this section, the flowers o large size, and in color salmon, rose and pink.

For a collection of twelve new varieties Sander & Sons were also awarded the first prize for a set of most promising and distinct seedlings. The bes of these were: Julius Roehrs, deep carmine, fine form; Frau Heinrich Seidel an extra fine white, tinted green a base; Triomphe de Bruges, rose-pink fine form; Lovely, extra large white Princesse Elisabeth, large white, extr fine form, green blotch upper portion o flower; Mephistopheles, deep blood-red Belgica, deep red, with dark blotch and L'Ami Steinmetz, a large flowe white ground, with carnation stripes.

Forcing by Ether in France.

With the discovery of Professor Johannsen, and the theoretic experiment of the effects of ether upon vegetatio which have been made in other countries, we have described the analogou experiments made in France, as we as an attempt made in Germany, to pu ether-forcing into practice on a larg scale. M. Aymard, of Montpellier, ha especially devoted himself to comparative experiments with different anæsthetics. He now gives us the result of a trial of this new method o forcing, which, we have no doubt, destined within a short time to revolutionize this industry.

Last Winter we made experimen with ether, chloroform, and other anæsthetics upon lilacs and lilies. The experiments having shown the advantage to horticulturists of etherizi plants before forcing them, we resolv immediately to put the new proce into practice. In order to guard again the escape of the ether, etc., we endeavored to obtain a place hermetical sealed, and for this purpose we ha a wooden building made in the form a rectangular cube, one square met in area and two meters high. Th structure was covered with plates well-soldered zinc; the base alone w left free. On the sides four handl were arranged, to which four cor were fixed, so that it could be suspended from a hook. This hook was fastened to a cord passing through t groove of a pulley which permitted t frame to be pulled up easily. The pulley was fixed to a framework. Th height of the "uprights" for forci lilacs should be such that when t hook touches the pulley the base of t structure should be about 1.50 met from the ground. When the plants a to be placed in it is raised by mea of the cord; the plants to be etheriz are placed underneath and the structure is gently lowered. In order to obtain the hermetic closure we adopte the following simple method:

At the beginning of the work w banked up against the lower part the sides some strong moist earth, carefully applying it to the zinc. Whe we raised the structure none of moved, and when we lowered it w took care to insert it in this pad, th forming a kind of frame. A little wat sprinkled from a water-pot rende the earth sticky, and with a trowel other tool the soil can be again presse against the zinc. With this simp method we have experienced absolutel no escape of the ether.

In order to introduce the ether w formed an opening at the top of t cube with a receiver below it. Th ether is introduced by means of a funnel, and the opening hermeticall sealed. The number of tree lilacs th will contain is from ten to twelv Among these a number of lilacs i smaller pots can be placed. This arrangement has also this advantag that it can be erected in the open ai and is easy of management. As the ne cost is not very much in large forcin establishments, several could be constructed which, considering the different duration of time required for etherization by the various lilacs and othe plants, would be very convenient. Th apparatus described above has been i operation at our establishment for t past two months, and has given t best results.

J. AYMARD fils, in Le Jardin.

ROSES.

The young stock should from now on eceive careful attention, as upon this e next season's work depends. Plants 2½-inch pots should, as soon as well ooted, be shifted into 4 or 3½-inch ots, never allowing the plants to get ot-bound. Those already in the larger ze should be kept free from weeds, nd if the plants are large and bushy, ey should be stood a few inches apart allow a free circulation of air and keep them from dropping their aves.

A piece of iron hoop cut on a bevel, fit the pot, and filed so as to better ut the weeds, makes a very good leaner; while a bright boy will go ver quite a batch in one day, in this ay killing the weeds and also removing the green scum which prevents the r getting to the roots. Stirring the urface of the pot may seem a mere rifle, nevertheless it is very important, s an experiment will soon demonstrate.

It is, of course, almost unnecessary to ay at this time that the potted plants hould never suffer for lack of water, being often necessary to look over hem two or three times a day. Red pider and greenfly are very troublesome, as they get on the leaves close the pots, and nothing but thorough yringing will remove these pests.

The grafted stock should be looked ver occasionally to see that the tie s secure, and if cutting into the plant should be loosened and retied. A rower not accustomed to handling hese plants is liable to lose quite a umber of them sometimes by overooking this detail.

The old plants, if they are to produce good blooms, should receive liquid t least twice a week; the surface of he soil should be stirred a little to keep it from getting baked. The plants re now making a very rapid growth, nd it will pay to go around twice a week at least to disbud and tie up the oung shoots, if straight stems are desired. Although inferior stock is very plentiful, good flowers are always salable.

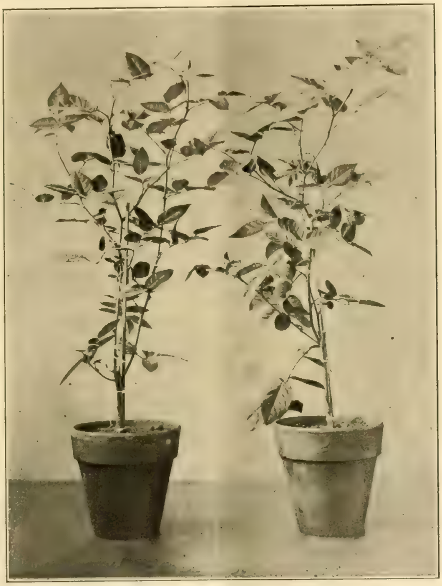
Air should be given very freely to harden the plants, avoiding, however, all sudden changes and cold draughts. Syringe often and thoroughly, or red pider will soon play havoc. If a little ime is sprayed on the glass during this hot weather the sun will be less liable o injure the buds and the houses will also be much cooler.

It is still too early to let the fires go out, for we may have some very cool nights this month. The better plan is o leave on an inch or two of air and use a little fire to keep the air in the houses from becoming stagnant.

PENN.

Grafted Roses.

Our illustration shows two grafted rose plants, nine weeks old, grown by Edward J. Taylor, of Southport, Conn. Mr. Taylor says: "Our Manetti stock was received in an apparently good condition, but fully 50 per cent. failed to start at all after having been potted. The stock was very carefully handled after being potted, being placed in a cool house and given the very best of treatment. We had good success in our grafting bench, taking out fully 95 per cent. of all stocks grafted. Since taken from the bench the stock has made fine growth, being clean and healthy and entirely free from mildew. The first plants grafted are of good size, and will be ready for planting in about two weeks, when we will begin to replant the first of our rose houses. It would be a great help to us if we could succeed in getting good, strong Manetti stock.



GRAFTED ROSES NINE WEEKS OLD.

Grown by Edward J. Taylor, Southport, Conn.

Shrubs for Shady Places.

This subject is discussed in Bulletin No. 21 of the New England Association of Park Superintendents. Edward P. Adams says: "There are a good many shrubs like the lilacs and spiræas that, if set out when the shade trees are, will become so well established before the shade become dense that they will flourish in spite of the shade. Stephanandra flexuosa I have found to grow well when set out under the dense shade of maple trees, but it is too low growing for a screen; while retinosporas and some other evergreens grow well under American elms. But under low growing shade trees I have not been successful in establishing a leafy screen, although it has been much needed in some places."

J. F. Huss contributes the following: "I find that under branched trees many good varieties of deciduous shrubs may be used, which are as follows, well adapted, and which I have used with splendid results: Ligustrum ovalifolium, Ibota, Forsythia viridissima, Andromeda Mariana, Myrica cerifera, Rhododendron maximum, Lonicera fragrantissima, Viburnum tomentosum, Lantana, Cornus sanguinea, etc., Ilex verticillata, Kalmia latifolia.

"For low growing shade trees I would recommend as follows: Azalea nudiflora, Callicarpa purpurea, Comptonia asplenifolia, Lonicera Halleana, brachypoda, Symphoricarpus vulgaris, Berberis, Thunbergii, Ceanothus americanus, Euonymus radicans (evergreen), Rhus aromatica, Zanthorrhiza apiifolia, Taxus adpressa, baccata and canadensis and Vinca minor."

Theodore Wirth adds his testimony, as under:

"The list of shrubs given by Mr. Huss for shady positions, for screening purposes, is a good one and gives enough variety to make a most effective planting. To establish a good planting under grown-up shade trees is indeed no easy undertaking, and even such shrubs as are by nature and habit adapted for shady locations will only then grow, and form successfully a desired screen, when they are properly assisted in getting a foothold in the ground, which is already taken up to a great extent by the roots of the existing trees.

"It is not always the shade that stunts the growth of such plantings, but much oftener the lack of nutrition and moisture, both of which are naturally absorbed by the well developed and established system of fibrous roots of the trees. Mr. Adams' observation that a large variety of shrubs planted at the same time as the trees will later on flourish in the shade of the latter must at once suggest the proper course to be followed to help to make such plantings successful. To dig in amongst the root system of the trees holes large enough to gather in the roots of the shrubs is not enough to insure the growth of the plants.

"In a good many places, especially on lawns and in groves where in the Fall the leaves are carefuly removed, it will be found that the roots of the trees are very near the surface and often even above ground; on such places a filling of good loam to a depth of six or more inches will help the trees and at once facilitate the building up of good strong shrubbery. The shrubs will develop a good system of roots and have something to stand and live on. On other places where such filling seems inadvisable, it will again help the trees to remove the top soil under the trees about 4 to 6 inches deep, even if a few of the roots have to be removed, and to fill in with new rich loam. The shrubs will quickly take hold and after once established keep on growing, especially if they are taken care of during the first year or two, during dry weather. One more good move to help them along would be to cut out some branches of the trees, where the shade is unnecessarily dense. This will admit more water during rain, and give more light. Cultivating of the soil during the Summer will also help along, but it is not advisable amongst rhododendrons and kindred plants that form fibrous roots near the surface and are surface feeders.

"I think that by proper attention and liberal treatment the list of shrubs adapted for plantings in the shade can be considerably enlarged, while by neglect, maltreatment and an insufficient supply of life-sustaining soil all plant life will be made next to impossible."

Charles E. Keith supplements the list of Mr. Huss with the following: Laurus Benzoin (spice bush), Azalea viscosa, clethora, Spiræa tomentosa, Viburnum lentoga, cydonia, sambucus and the amelanchiers, adding, "I have seen groups of young ailantus and Robinia hispida in a partial shade that were exceedingly pretty."

J. A. Pettigrew adds: "If the shade is very dense, Mr. Adams is up against trouble sure! However, under a reasonable amount of shade I have found common barberry (Berberis vulgaris), buckthorn (Rhamnus catharticus), common privet (Ligustrum vulgare) and many of those enumerated by Mr. Wirth and Mr. Huss do well; but much depends on the preparation of the ground, a fact that Mr. Wirth fails not to impress upon us. Heavy mulchings, too, will help to keep the plantations under headway."

Secretary Duncan augments the lists enumerated above with the following: Hamamelis virginiana, Viburnum acerifolium, Azalea calendulacea and Azalea amœna, Andromeda ligustrina and floribunda, and the beautiful Leucothœ Catesbæi.

Applied Scripture.

A lover of roses was looking over his bed of rose bushes not long ago and discovered that a hitherto flourishing Paul Neyron was inclined to debility. Suspecting that something was wrong he dug it up to examine the roots. He found that the worms had eaten a hole through the main root just below the ground and that there was so much dead wood just above the ground that there was but small avenue for the sap to find its way into what should be the growing wood. The lower portion of the root, however, was decidedly lively and was pushing itself with much vigor. In order to persuade the sap from the root to move along toward the bud and blossom, the root was pruned, carefully scraped and cleaned about the diseased parts and put back into the ground where it was given its chance.

Now the lover of roses is blessed with a wife who carries great chunks of Bible in her head and she remarked as the plant was re-set, "That'll grow all right. You know in the book of Job it says, 'For there is hope of a tree, if it be cut down, that it will sprout again, and that the tender branch thereof will not cease. Though the root thereof wax old in the earth, and the stock thereof die in the ground, yet through the scent of water it will bud and bring forth boughs like a plant.'" The rose lover is now emulating the patience of Job, and notes that the Paul Neyron is doing well.—Hartford (Conn.) Courant.

Duration and Care of Coil Boilers

Editor Florists' Exchange:

As there seems to be considerable inquiry of late about the use of coil boilers, which we introduced, with the pressure system, several years ago, we wish to impress upon our brother florists the importance of having their boilers emptied during the Summer season. There is, at that time, more or less condensation on the boiler tubes, and cast iron boilers, when kept full of water, will cause them to rust and deteriorate faster than use in firing.

The average duration of single-thick pipe (1½ inches) is about eight years, which is about three years longer than that of the thin tubes of steam boilers.

We are using now double-thick steam pipe, which will last about fourteen years, besides increasing the heating power about 40 per cent. over that of cast iron boilers, providing that pressure is used, as a well-constructed coil boiler will not work well without it, generating heat too fast.

If an even grade of 2-inch cast iron tubing could be secured, with good threads, you could make a cast iron coil. The double-thick wrought iron pipe, however, answers the purpose well enough, and is more reliable.

DENYS ZIRNGIEBEL.

Needham, Mass.

Canadian News

Montreal.

News Notes.

P. McKenna & Son will shortly enter the retail ranks, and will open a fine new store, corner Guy and St. Catherine streets. It is said this will be the handsomest florist store in the city. They will also increase their glass area at Cote des Neiges this Summer.

L. H. Goulet will remove from his present location on St. Catherine street to the opposite side, further east. Mr. Friedman will occupy Mr. Goulet's old stand, continuing the flower business.

B. Graves will move farther west on St. Catherine street, nearer Guy street.

The growers are certainly now the busiest people in the trade finishing up their potting of bedding stock. This work has been delayed somewhat, owing to Easter being so late this year. Outdoor work is being greatly retarded for want of rain; we have not had a good shower since before Easter. The demand for Spring plants is fairly brisk, and no doubt a good business will be done in these. The storemen report trade rather quiet, with cut flowers moving more slowly; qualities are, however, excellent.

Club Notes.

The regular monthly meeting was held Monday night; about thirty members were present. Mr. Gibb, of the City Gardens, read his promised paper on "Boston Parks," which interested us all very much.

William Matthews was elected a member of the club.

The club has for some time been making efforts to secure a grant from the Provincial Government without success, but C. A. Smith has now the matter in hand, and if he don't get the grant for the club, we may give up trying for it.

C. Craig, gardener to A. Joyce, Esq., exhibited a fine specimen of Platycodon grandiflora (blue) in a 6-inch pot. Mr. Craig lifts these plants in the Fall, potting them immediately, and keeps them cool all Winter. This is a fine plant for the conservatory, and should be grown by private gardeners especially.

In answer to a question for name of best red geranium for bedding, those present agreed that A. Ricard and Enrich were the best.

A very interesting discussion took place as to the advisability of growers agreeing to sell at a uniform price—to be continued at next meeting.

W. C. H.

Hamilton.

News Jottings.

Trade seems to be brisk in all lines. The seedsmen are very busy this Spring. There is a complaint from the florists about the largely increased number of window boxes their customers are wanting filled; they claim that these things take up too much room in the houses and leave no profit. The only cure I see for it is to charge better prices. It certainly is very easy to fill up a bench with boxes and baskets. It seems only reasonable, though, that the privilege of having the boxes established for a week or two in the greenhouse should be paid for.

Arthur Lambert is back in the shipping department of Webster Brothers.

Club Meeting.

The regular meeting of the Gardeners and Florists' Club was held on the evening of May 5. The attendance was not large; it could hardly be expected at this time of the year. President Turner was unavoidably absent, and Vice-President Townsend took the chair.

Arthur Watson, lately from Keighley, England, was proposed and elected to membership. Robert Bailey, gardener, was also admitted as a member.

In response to a request from the club for an interchange of speakers, a communication from the Toronto Gardeners and Florists' Association was read offering to send up Thomas Manton and a good delegation of members on some date in July. The secretary was instructed to write that this would be acceptable, as it seems to fill exactly the aim of the local club. There is no doubt that a better acquaintance between the clubs will result in mutual good.

The subject for the evening was a discussion on a question taken from the box at a recent meeting. It read as follows "Can jobbing gardeners gain by using their opportunities for guiding and encouraging planting of plants, seeds, shrubs, etc., among those whose places they tend?" A short but interesting discussion took place and several different views were brought out.

C. Webster brought a number of sprays of early flowering shrubs and perennials, and made a few remarks on them.

BEAVER.

THE MARKET

MONTREAL.—Trade has been quite satisfactory since Easter. In cut flowers, carnations continue to be in great demand. Roses are in good supply, with sales active. Perennial plants for the garden are moving a little, and there will doubtless be a great demand for bedding stock.

TORONTO.—Business the past two weeks has been very brisk, with stock both good and plentiful. The retailers have had matters nearly all their own way. There has been a large quantity of design work, and the stay of Lord Minto in the city has made things very lively; the select of the city have been spending their money quite freely. The Canadian Horse Show last week also called for the use of large quantities of cut stock.

Carnations are getting much more plentiful, and are coming down to old-time prices. Roses are also very abundant. Outside tulips are to be had in almost any quantity, though they are not so good this year as the last few years; being shorter stemmed and duller colored. Violets are very scarce; but lily of the valley is still plentiful. The wild marsh marigold, Caltha palustris is offered and sells well. Its pretty golden flowers make a fine decorative effect. Forget-me-not is also offered in small quantities. Smilax and asparagus are scarce; adiantum is more plentiful. Small ferns have been scarce all Winter, but are becoming quite abundant now.

The demand for hardy plants this Spring is very good, and large numbers are selling. There is also a fine call for clematis, shrubs and rose trees; in fact, all lines of the profession are flourishing. This is a good job for many of us, for the coal bills the past Winter were extra heavy, and help is harder to get and higher priced than I have ever before seen it.

T. M.

TORONTO, ONT.—Roses, American Beauty, extra, $20.00 to $25.00; No. 1, $15.00 to $20.00; culls and ordinary, $5.00 to $8.00; Bride and Bridesmaid, fancy special, $15.00; No. 1, $6.00 to $10.00; No. 2, $1.00 to $6 00; Mme. Cusin, $1.00 to $8.00; Meteor, $1.00 to $10.00; Mrs. Pierpont Morgan, $1.00 to $10.00; Perle des Jardins, $1.00 to $8.00. Carnations, inferior grades, 75c. to $1.00; standard varieties, white, $1.00 to $3.00; red, $1.00 to $4.00; fancy, all colors, $4.00 to $6.00. Adiantum, 70c. to $1 00; asparagus, $20.00 to $75.00; callas, $4.00 to $8.00; daffodils, $1.50 to $2.00; daisies, 30c. to 40c.; galax, 15c.; lilies, $4 00 to $6.00; lily of the valley, $2.00 to $4.00; mignonette, $1.00 to $4.00; narcissus, $1.50 to $2.00; tulips, $1.00 to $3.00; violets, 50c. to $1.00.

T. M.

Washington, D. C.

Trade News.

Business among the retailers has been very good the past two weeks, also among the growers. The latter are doing most of their trade in bedding plants. I think that more of these will be sold this year than ever before, as everybody who has a front or backyard wants a bed of flowers.

A. Gude & Bro. are cutting about two hundred American Beauty roses a day; the flowers are very fine and range in price from $2.00 to $10.00 per dozen. Kaiserin Augusta Victoria are still very good, and bring from $1.00 to $3.00 per dozen.

The market is packed with cheap flowers, and also bedding plants.

Charles William Wolf has resigned his position with Shaffer and is in the landscape business under the firm name of Wolf & Ridenour. Mr. Ridenour was also with Shaffer. They are doing a successful business, and expect to open a first-class retail store the coming Fall.

C. W. W.

Philadelphia.

Club Notes.

The Florists' Club meeting on Tuesday last was well attended. The topic for discussion was, "How to Select a Winning Bowling Team for Milwaukee." This brought out a very strong discussion. The matter was finally left to a committee. While no plan has yet been decided upon, it is likely the same system as last year will be followed, viz., for the candidates to bowl a series of games on neutral alleys, the first seven men to be selected to represent the club. No matter the plan adopted, it will not suit all, so it is a difficult task for any committee.

A committee, consisting of the officers of the club and John Burton, president of the S. A. F., was appointed on transportation, so that convention matters have started in good shape. John Westcott gave as his opinion that the Milwaukee convention will be a very large one, and a pleasant one to go to, as there are so many routes available; and no doubt a reasonable fare can be obtained.

At the June meeting Walter H. Whetstone will address the club on "Wrought Iron Pipe and Valves."

Leo Neissen reports an increase of business at his new wholesale establishment at 1217 Arch street. He has every facility for convenience and quick handling of stock; and now while flowers are plentiful it is noticeable that he has a grand lot of first-grade stock on

Henry Simpson, foreman at the Edgely Greenhouses, was given a birthday surprise by several of his friends last week. An impromptu euchre game was organized, and the first prize, of a handsome bunch of Edgely's famous roses, was won by Mrs. Anna J. Hay. Refreshments were served in princely hospitality by the hosts. The guests were each presented with a bouquet of roses. In honor of the occasion Mr. Simpson was given a picture of a lion for his den.

hand.

DAVID RUST.

Boonton, N. J.

Arthur Taylor, formerly foreman for Mills, the florist, Jacksonville, Fla., has taken charge of Onaway Greenhouses.

CATALOGUES RECEIVED.

SHATEMUC NURSERIES Barrytown, N. Y.—Catalogue of Native Perennials for the Wild Garden, for Spring or Fall Planting.

W. E. CALDWELL CO., Louisville, Ky.—Catalogue of Tubs, Towers, and Tanks. Large Water Tanks a Specialty. Illustrated.

H. CANNELL & SONS, Swanley, Kent, England.—Floral Guide of Plants for 1903. Illustrated.

An "Owed" to Uncle Sam.

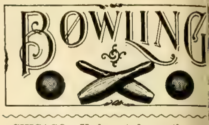
O Uncle Sam, I thankful am, you've not forgot my garden's needs. The mail to-day, without delay, has brought the annual dose of seeds. Yes, I will try the salsify, leek, endive, radish, squash; the watermelon and will tell, if they add to my cash. There's beans to put flesh on my bones; cukes long enough for razor hones; and beet seed mixed with gravel stones, and O, with undiluted joy, spinach I see, Bloomsdale Savoy. But where's the corn, the corn I need? The hybrid, big-eared, horse-tooth corn, I've always cracked for chicken feed? The oversight may seem but slight; it scarcely can be called a crime. But may I hope another time, that you will send in large supply, the feed for which my chickens cry?—Rural New Yorker.

Chrysanthemums
10,000 READY NOW

40 leading varieties, rooted cuttings, $15.00 per 1000. Our selection, $12.00 per 1000.

From 2 in. pots, $3.00 per 100; $25.00 per 1000. Our selection, $20.00 per 1000.

J. GAMMAGE & SONS
LONDON, ONT.
Mention the Florists' Exchange when writing.



CHICAGO.—Undernoted are the sc made by the Chicago bowlers at t second practice game at Anson's all Tuesday night, April 21:

J. Foerster	203	167
Geo. Stollery	182	183
Lambros	166	168
Asmus	144	173
F. Stollery	117	166
Hauswirth	131	162
Prunner	125	158
Geo. Scott	162	134
Winterson	129	137
Matti	117	134
Schaefer	117	147
Kreitling	147	98
C. Hunt	119	125

R.

UTICA, N. Y.—The bowlers turned in goodly number on Wednesday e ing, April 22, 1903. We had for our g Harry A. Bunyard, of New York, re senting Clucas & Boddington. We had Harry Brant, of Brant Bros., with Brant Bros. constitute the new firm rose growers that has leased P Crowe's place. We were very m pleased to meet the gentleman, and to see more of him. Following are scores:

	1.	2	3.
Baker	142	139	149–
Pfeiffer	115	143	166–
Day	132	130	139–
Spencer	112	147	124–
MacLane	150	113	119–
Bunyard	136	115	126–
Cramer	129	113	115–
Rowlands	121	133	102–
Hoffman	162	90	100–
McGowan	97	129	108–
Wilcox	129	178	...–
Brant	112	148	...–

QUI

Birmingham, Ala.

W. M. Lindsay, florist, on Apri was knocked down by a bicycle rid by a young white boy, and his broken. His physicians state that t are no internal injuries.

RANTOUL, ILL.—H. M. Morris installed a system of water-works a steam engine for his nursery greenhouse.

URBANA, ILL.—Thos Franks married in Boston on April 28 to Duffren, of England.

Ready.

The
American Carnation
HOW TO GROW IT

By C. W. WARD

containing 300 pages of the most interesting and instructive information on the subject of carnation culture and everything connected with the plant ever presented, **is now ready for delivery.**

The book is handsomely printed and illustrated. It will prove a valuable addition to your library.

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A. T. DE LA MARE PTG. & PUB. CO.
2 DUANE STREET, NEW YORK.

COLEUS, by the 100 or 1000.
ROSES, 1 year for potting on or pl ing out.
BASKET PLANTS, $2.50 per 100; per 1000.
WEBSTER BROS., Plantsm
HAMILTON, CANADA
Mention the Florists' Exchange when writ

Review of the Market

EW YORK.—Far too many flowers reaching this city every day these s for the demand. Since the begin- of May, business has been dull. it steamer trade there is does not unt to a great deal; and the old su- tition regarding the unluckiness of iy marriage seems to have a dampen- effect on the matrimonial market. florist trade has, therefore, to rely fly on funeral work for its present port. Of course, occasional dinners luncheons are occurring, but there so much demand for flowering nches of fruit trees at these affairs the general run of commercial cut ers play but a small part at these en- ainments.

oses of all kinds that are seasonable been a glut all week; and it cannot aid that there is a fixed price for any them. In hundred lots, selected, erican Beauty have been selling at 0. While a few teas have reached ., slips containing specials and ex- only have sold at $4.00 per 100. No. d No. 2, when sold together in slips, gone for $2.00 per 100.

rnations are, if anything, suffering than roses. White varieties do not n to be wanted, and can hardly be ed at any figure. Job lots of fancy other flowers have been disposed of gures reaching down almost to $1.00 100. Three cents each will purchase y carnations of the choice colors in ll quantities. This is quite a drop alue since a week ago, and the deal- handling carnations in quantity are to admit that this has been the t week that has been experienced season.

e demand for green material of all s has decreased, also. The price of ntum Croweanum has been reduced 1.25 per 100. Bulbous flowers from oors are coming in freely. Narcissus tulips are only worth 50c. and $1.00 100, respectively. Lily of the valley, frames, is arriving in quantity; and 'ancy prices for this stock are at an $1.00 per 100 being about the ruling e.

olets are still on the market in quan- but it is useless to quote rates on any longer this Spring. There is ably not more than one box in ten sells when the flowers are first re- d, and the only thing that can be with them is to unload them on the t peddlers, at 75c. and $1.00 per 1000 rdly enough to cover the expense of sportation from the grower to the r.

ttleyas are much too plentiful for the and, and prices have been ruling at and 15c. Home-grown lilac has be- very plentiful, and hundreds of hes are being disposed of at 5c. and bunch.

eet peas are not selling nearly so as they were, though the slump on flowers has not been so pronounced has been in the case of almost all kinds of stock.

ies are in moderate supply, with little change in the asking price; drop in the value of these occurred week.

ICAGO.—For the past week the sup- f stock has been on the increase, but et no glut has occurred. In roses augmentation is more noticeable in and Bridesmaid than in any of the kinds, although the supply of Amer- Beauty, especially the long-stemmed has been abundant. Prices on have dropped to $3.00 per dozen he best. A large stock of short- med flowers is coming in and selling cheap. Bride and Bridesmaid are d at from $3.00 to $8.00. Liberty to $25.00 per 100, but only a limited er is selling at the latter price. des Jardins, Golden Gate and Ivory from $3.00 to $7.00 per 100, while rin Augusta Victoria and La France e from $4.00 to $8.00 per 100.

supply of carnations has been on ncrease and prices are somewhat than at any time this season. good stock can now be obtained at $1.50 to $2.50 per 100; fancy stock exceeding $3.00 per 100.

lets are over in this market; very are to be seen now, and those ob- ble are not of good quality. A supply of the outdoor-grown Rus- violets are on hand; these bring 40c. 00. In some houses, violets from oods are on sale.

bulbous stock not so much is arriv- s a week ago; still the supply of is large yet. These sell at from to $8.00 per 100. A few late tulips n the market, bringing from $2.00 .00 per 100. Lily of the valley is better than a week ago, prices ng from $3.00 to $5.00 per 100. The of sweet peas is equal to the de- averaging 75c. to $1.50 per 100. agus realizes 35c. to 50c. per string; x, $15.00 per 100. Some early red peonies are around, and bring 75c. per dozen.

Business for the past week has been very good, both in retail and wholesale circles. Though the season has been backward, trade in plant lines has been better than was expected. Many growers are now throwing out their old stock and replanting both carnations and roses, and a number of the smaller growers have emptied their houses to make room for pot plants. Heavy frosts the past week cut off the supply of outgrown lilac.

R. J.

BOSTON. Business during the last two weeks among the city florists has been very quiet; even with the wholesalers, though there is a little something doing in the shipping line, and trade is reported as rather slow. Carnations and roses, which now form the bulk of the supply, are greatly in over-stock and very druggy, it being impossible to dispose of the daily receipts at even fair prices. American Beauty roses are in evidence everywhere; quantities of short and medium-stemmed flowers cut from plants in houses which have been run cold all Winter, are now coming in, and many of the short ones are cleaned out at $1.00 and $1.50 per 100. Medium-stemmed grades make $6.00 to $8.00, while No. 1 go to $12.50 and extras and specials at from $16.00 to $25.00. Many of the latter grade have to be sacrificed for considerably less. Bride, Bridesmaid, etc., bring from $1.00 to $8.00 per 100.

Good carnations are freely offered at $1.00 per 100, with the better grades of ordinary sorts at $1.50, and the finest at $2.00 per 100. Fancies reach $3.00 per 100 in rare cases; shorts and inferior stock sell at 50c. per 100.

Bulbous flowers from inside are about done, but a good crop of outdoor tulips is now coming in, which do pretty well at $2.00 per 100. Lily of the valley is plentiful at $2.00 and $3.00 per 100, with a good supply of frame-grown stock, which sells best.

Sweet peas at 50c. to 75c. per 100 sell well, and marguerites, pansies, cornflowers, and such, do pretty well in small bunches.

F. J. N.

ST. LOUIS.—Trade in the cut flower line the past week was rather dull, notwithstanding the thousands of visitors which were with us during the dedication of the World's Fair. Those who had banquet and reception orders to fill during the week were, of course, kept busy. The largest of those was furnished by the Michel Plant and Bulb Company in the Administration Building on the grounds, when the President and ex-President of the United States and many other distinguished guests were in attendance. The Ellison Floral Company furnished the decorations at the home of D. R. Francis. American Beauty roses were sent each day during the stay of our distinguished visitors. The Reissen Floral Company and Fred Foster furnished the downtown hotels with flowers and plants used to entertain the visitors during the three days of the dedication.

Thursday, business was entirely suspended, and all the retail, as well as the wholesale houses closed up to attend the ceremony at the World's Fair grounds.

The cold snap on Thursday last did a lot of damage to young stock and plants that were planted early.

At the wholesale houses stock is piled up; roses, carnations and lilies are most plentiful at present.

More American Beauty roses are in this market than ever before; extra fine first quality are selling as low as $2.00 per dozen and even cheaper in hundred lots, with long-stemmed stock so cheap that shorts have no call whatever. The street-corner merchants are handling these at 25c. per dozen; the other roses have to suffer from the over-production of Beauty. Only white sorts are having anything like a demand. A number of big weddings are on for this week and perhaps this will help the rose market somewhat. The prices on smaller roses can hardly be quoted at present; $1.50 to $3.00 per 100 is considered a big price; this figure is for "take them as they come;" first selected stock commands $5.00 and $6.00 per 100.

For carnations a good demand is still experienced; but so many thousands are coming in that plenty of them are dumped the next day to make room for the fresh stock; $8.00 and $10.00 in 1000 lots is all they bring; in small lots of 100, $1.50 and $2.00 is the figure. The quality is good in all varieties.

Speaking to some of the growers the other day in regard to the cheap prices, they say that they can stand these at present, as they have got big prices all the season.

The bulbous stock is nearly all cut out now. Callas and Harrisii lilies are a glut; it seems that no one wants them, as funeral work has been scarce of late; this week the price of lilies is $5.00 and $6.00 in 100 lots and cheaper when ordering 1000.

The quality of sweet peas is very good and they are about the only flowers that hold up in price—50c. for short and 75c. for good long flowers. The demand takes up about all the stock coming in. Sweet peas will become more plentiful as the season advances.

Smilax is still very scarce in this market, with a good demand. Some very good Asparagus plumosus is in, taking the place of smilax; it is sold at 35c. and 50c. per string.

ST. P.

PITTSBURG.—Trade conditions for the last few weeks have been very satisfactory; several good weddings and other important social functions creating a good demand for florists' work.

The bedding plant trade is starting slowly. A little warm spell would help a great deal; likewise in the seed trade such weather would have a good effect. The supply of cut flowers is up to all demands, excepting that occasionally carnations are a little short. These still hold up well in price, averaging about $3.00 to $4.00 per 100 for good stock. Roses are plentiful and prices range from $20.00 to $25.00 per 1000 for fair stock. American Beauty are quoted at from 5c. upward; good long-stemmed flowers bring about $20.00 per 100. Sweet peas are still coming in rather slow. Yellow daisies are fine. Violets are in fair demand. A little outdoor stock is to be had, but the severe frosts about a month ago killed much of it. There is no lilac in our vicinity, and that shipped from the South is hardly fresh enough for customers to find a ready sale.

E. C. R.

INDIANAPOLIS, IND.—May business is never extraordinarily brisk, and this condition prevails at present. There is some funeral work, some decorating, some planting, but there is a departure from the heavier business transacted during the past few months. With the decline in trade comes a corresponding decline in the quantity of stock. Roses are showing the effect of the weather, and are too numerous to be disposed of. Bridesmaid, Bride, Sunrise and Meteor sell at $1.00 to $1.50 per dozen, retail; 2c. to 6c., wholesale. American Beauty roses are moving very slowly, and bring from 3c. to 25c., wholesale; $2.00 to $6.00 per dozen, retail. Liberty is still holding its price of 15c. to 20c., wholesale, but this is probably due to the fact that few growers have any to offer, rather than the great demand for this rose.

Carnations are over-plentiful; No. 1 grades sell at 3c.; good grades, 2c. to 2½c.; small stock, 1½c. to 2c.; 60c. to 75c. per dozen is the retail price for them.

There are still some double violets around, but the demand for them is light. Quite a number of callas and Harrisii lilies are disposed of at $2.00 to $3.00 per dozen, retail; $1.00 to $1.50 per dozen, wholesale. Sweet peas are plentiful and there is a good demand for them at 35c. per bunch of 25. Outdoor lily of the valley and lilacs are to be had in abundance. The former sell at 25c. per dozen. Pansies, daisies and swainsona have sold exceptionally well lately; this is accounted for by a number of infants' funerals.

I. B.

GRAND RAPIDS, MICH.—The few bright days with which we have been blessed have brought out a heavy cut of carnations, but not any more than enough to meet the steady shipping demand. Roses are scarce, and will be, from appearances, for the rest of the season. A few lilies still continue. Violets are over. Plenty of outdoor bulb stock is in evidence. Carnations bring 40c., 50c. and 75c. per dozen; the 50c. rate is the regular price; roses, $1.00; lilies, $2.00; American Beauty, $1.50 to $5.00; bulbous stock, 50c. per dozen.

It looks as if there would be a heavy crop for Decoration Day; but if demand keeps up as at present, there will be, as at Easter, a shortage, though not so great.

G. F. C.

BUFFALO, N. Y.—The supply of flowers is ample in a general way for the but moderate demand. Carnations still run light. Souvenir du President Carnot roses are now in, with fine foliage, while in quality other kinds are not far behind, and fair prices incline to be realized. Outdoor bulbous blooms come in a bit over-plentiful on some days, and, this season, lacking size and brightness somewhat, owing to the prevailing dry and cool weather.

VIDI.

TOLEDO, OHIO.—The weather was very unfavorable; nevertheless Easter trade was very brisk; in fact, better than last year's. Azaleas, lilies, spiræas and Crimson Rambler roses were the best selling plants, the prices being about the same as those of last year. In cut flowers we had a great call for roses, violets, carnations and lily of the valley, at better prices than last Easter. There was nothing new.

MRS. E. SUDER.

Oreodoxa regia, the "Royal-Palm."

We desire to call the attention of the florists and gardeners of the country to our advertisement of plants on page 535 of this issue of the EXCHANGE.

The prices are BARGAINS and are made so simply because of an over-supply for our retail needs.

The extent of our stock is immense, being ybout TWO ACRES SOLID and is in excellent condition to ship. Let us hear from you if aou can possibly use ANYTHING on the list, and if you are not ready JUST NOW, we can reserve it for future delivery.

The list we offer is not all we have; we can furnish a great many more items at low rates and will be glad to send a catalogue of stock.

REASONER BROS.,

Royal-Palm Nurseries, Oneco, Florida.

SAVANNAH, GA.—Notwithstanding the large quantity of outdoor blooming roses and other flowers, the sale of florist's or indoor stock was all we could wish. I think no flowers were left over anywhere in the city. The supply of lilies and other flowering plants was not equal to the demand.

OG.

PROVIDENCE, R. I.—For the week of April 26, business assumed goodly proportions. Stock is plentiful, but is regularly absorbed at good prices. Good sweet peas find a ready sale at 50c. to $1.00 per 100. A few pansies in baskets are on the market, although it will be another week before the bedding plant season opens locally. The weather remains fine and cool, which enables the retailers to make some full window displays with lasting effect.

C. S. M.

ST. PAUL.—The Spring has been cold, wet and backward, the trees not being in full leaf yet. These conditions have had a depressing effect on trade, although sales have been fairly good. Still, business lacks vim and vigor, and will until warmer weather comes. Carnations are scarce. Roses are quite plentiful, with a large proportion of No. 2 blooms. Funeral work has kept quite a number of the craft busy. Bedding stock is backward, but a few days of warm, sunny weather will right everything and set everybody busy.

R. C. Seeger, in his store on Robert street, has a nice display of blooming plants at all times, and is building up a nice profitable business.

Swanson has a fine display of tulips and other bulbous stock.

L. L. May & Company are selling large quantities of seeds which have been extensively advertised in the local papers.

There has been an unusual demand this Spring for quick growing ornamental trees and in this class nothing surpasses the Carolina poplar. With its beautiful foliage, its fine, rapid, upright symmetrical growth and its hardiness, it is particularly adapted to the Northwest, where many of the beautiful ornamentals will not survive. The Winter was most favorable for all stock, while the cold wet Spring has given us a long selling season and a most favorable one for shipping.

VERITAS.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

YOUNG ROSE PLANTS

Our GRAFTED plants are all selected stock and carefully grafted on flowering wood

				Per 100	Per 1000
GRAFTED BRIDE	2½	in. pots		$10 00	
GRAFTED LIBERTY	2½	"		15 00	
BRIDE, own roots	2½	"		3 50	$25 00
BRIDESMAID, own roots	2½	"		3 50	25 00
GOLDEN GATE, own roots	2½	"		3 50	25 00
Extra fine KAISERIN	3	"	1 yr. old	10 00	
" " "	2½	"		5 00	

No plant order for less than 100 of a variety filled at the above prices. All orders will be shipped from our greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN, 76 WABASH AVENUE, **Chicago, Ills.**

Mention the Florists' Exchange when writing.

DREER'S ROSES

Selected Two-Year-Old

These Roses are field-grown plants which were potted up during December and January and stored in cold houses during the winter, making the best possible stock for selling to the retail trade.

The prices noted are for strong plants in 5 and 6 inch pots (according to the growth of the variety).

In ordering, state if substitutes may be furnished if certain varieties are sold out.

	Per doz.	Per 100
Abel Carriere	$3 00	$25 00
Alfred Colomb	3 00	25 00
" K. Williams	3 00	25 00
Anna de Diesbach	3 00	25 00
Anne of Gierstein	2 50	20 00
Baroness Rothschild	3 00	25 00
Baron de Bonstettin	3 00	25 00
Beauty of Waltham	3 00	25 00
Boule de Niege	3 00	25 00
Brenda	2 50	20 00
Camille Bernardin	3 00	25 00
Captain Christy	3 00	25 00
Chas. Lefebvre	3 00	25 00
Countess of Oxford	3 00	25 00
Countess of Rosebery	3 00	25 00
Coquette des Blanches	3 00	25 00
Crimson Rambler	3 00	25 00
Dr. Andry	3 00	25 00
Duke of Edinburgh	3 00	25 00
Duke of Teck	3 00	25 00
Duke of Wellington	3 00	25 00
Dupuy Jamain	3 00	25 00
Earl of Dufferin	3 00	25 00
Eclaire	3 00	25 00
Etienne Levet	3 00	25 00
Eugene Furst	3 00	25 00
Evergreen Gem	2 50	20 00
Fisher Holmes	3 00	25 00
Francois Michelon	3 00	25 00
Gardenia	2 50	20 00
Gen. Jacqueminot	3 00	25 00
Gloire de Margottin	3 00	25 00
Grand Mogul	3 00	25 00
Gustav Piganeau	3 00	25 00
Heinrich Schultheis	3 00	25 00
Hellen Keller	3 00	25 00
Hermosa	2 50	20 00
Jean Liabaud	3 00	25 00
Jenny Dickson	3 00	25 00
Jersey Beauty	2 50	20 00
John Hopper	3 00	25 00
Jubilee	3 00	25 00
Jules Margottin	3 00	25 00
La France	3 00	25 00
Louis Van Houtte	3 00	25 00
Magna Charta	3 00	25 00
Maman Cochet	3 00	25 00
Manda's Triumph	2 50	20 00
Marchioness of Lorne	3 00	25 00
" " Downshire	3 00	25 00
" " Dufferin	3 00	25 00
Margaret Dickson	3 00	25 00
Marshall P. Wilder	3 00	25 00
Meg Merrilies	2 50	20 00
Mme. Gabriel Luizet	3 00	25 00
" Victor Verdier	3 00	25 00
Mrs. John Laing	3 00	25 00
Pink Roamer	2 50	20 00
Prairie Queen	2 50	20 00
Pride of Waltham	3 00	25 00
Prince Camille de Rohan	3 00	25 00
Psyche	3 00	25 00

	Per doz.	Per 100
Queen of Edgely	$3 00	$25 00
Queen of Queens	3 00	25 00
Rodocanachi	3 00	25 00
Rosieriste Jacobs	3 00	25 00
Rugosa	2 50	20 00
" Alba	2 50	20 00
Soleil D'Or	3 00	25 00
Soupert Climbing	2 50	20 00
Senator Vaisse	3 00	25 00
Star of Waltham	3 00	25 00
Tom Wood	3 00	25 00
White Rambler	3 00	25 00
" Provence	2 50	20 00
" Maman Cochet	3 00	25 00
Wichuraiana	2 00	15 00
Yellow Rambler	3 00	25 00

Strong 4-inch pot ROSES

These plants have been treated similar to the selected two-year-old stock and are in first-class condition.

	Per doz.	Per 100
Clothilde Soupert	$1 50	$12 00
Maman Cochet	2 00	15 00
Mlle. Elie Lambert	2 00	15 00
Mme. Joseph Schwartz	$2 00	$15 00
" Francisca Kruger	2 00	15 00
White Maman Cochet	2 00	15 00

HENRY A. DREER, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ROSES

American Beauty

strictly first-class in every respect and as fine stock as we have ever offered. 2¼ inch, $6.00 per 100; $55.00 per 1000.

Bride and Bridesmaid

2¼ inch, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

ENGLISH IVY 4 inch pots, 24 inches high, $1.00 per doz.; $7.50 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROSES Bride, Bridesmaid, Golden Gate, R. C. $1.50 per 100; $12.50 per 1000. Perle Meteor, $17.50 per 1000. Ivory, $20.00 per 1000. 2¼ in., $3.00 per 100; Ivory, $4.00.

Geraniums, splendid stock of best bedders, sturdy, cool-grown stock, 2½ in., $2.00; 3 in., $4.50; 4 in., $7.00 per 100. **Verbenas**, $2.50 per 100. Double fringed **Petunias**, 4 in., in bud and bloom, $6.00 per 100.

PANSIES, a superb stock, from the very highest priced seed, which we guarantee unsurpassed in the country. Large branchy plants, in bloom, $20.00 per 1000. **Worth it**; 100 per cent. profit in them at this price. Light packing.

W. H. GULLETT & SONS, LINCOLN, ILL.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate**, 2 in. pots, $25.00 per 1000. **Ivory**, $4.00 per 100. **Helen Gould**, $6.00 per 100. **Mrs. Oliver Ames**, $10.00 per 100. **Bridesmaid**, $3.00 per 100. **Liberty**, 2 in. pots, $10.00 per 100. Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

HYBRID PERPETUAL ROSE

in finest assortment, also Crimson Rambler year, dormant. Splendid plants in fine conditi 15c. cash. Order at once.

W. H. SALTER, Rochester, N. Y.

CRIMSON RAMBLER

In pots, well budded, timed to bloom Memo Day, $9.00 and $12.00 per doz.

HYDRANGEAS, $6 00, $9.00 and $12.00 per
HYBRID ROSES, $6.00 per doz.

Cash with order, please.

A. SCHULTHEIS,
P. O. Box 78,
COLLEGE POINT, L. I., N. Y.

FANCY KAISERIN

You want something that will bloom quickly give you best results during the summer. der a hundred of those fine 4 in. Kaiserins of A. Kuhl, now, and he will ship to your order. T will be ready May 20th. 2½ and 3 in. stock ready

GEO. A. KUHL, Pekin,

Rose Plant

	Pe
Bridesmaid, 3-inch pots,	$3
Bride, 3-inch pots,	
Ivory, 3-inch pots	4

JAMES E. BEACH,
2019 Park Av., Bridgeport, Co

Mention the Florists' Exchange when wri

NEW PEDIGREE ROSE

Send for description and colored plate o Six New Climbing Roses. These originat our own collection by careful cross-fertiliza and are unquestionably superior to anythi their class.

Edwin Lonsdale, pale lemon-white
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink ed
Prof. C. S. Sargent, rich yellow buff.
Robert Craig, yellow, shaded with ap
John Burton, delicate peach color.

All fragrant, very double, undeniably l and strong growers.

HOOPES BRO. & THOMAS, Mapl Nurs
WEST CHESTER, PA

Mention the Florists' Exchange when wr

AMERICAN BEAUTIE

Young Plants from 2 by 3 inch Rose pots, ready to send out, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, WYNCOTE, P

PHILADELPHIA ROSE

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.
QUEEN OF EDGELY (Pink American Beauty), out of 2½ in. pots.

We received First Prize for this Rose at the American Rose Society Show in Philadelphia, March, 1

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA,

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
Kaiserin	3.50	30.00
Bridesmaid	3.50	30.00

	Per 100	Per 10
Bride	$3.50	$30.
Golden Gate	2.50	20.
Perle	3.50	30.
Sunrise	7.00	65.

Meteor, 3½ in. pot plants, $5.00 per 100; $47.50 per 1000.

All stock sold under express condition that if not satisfactory it is be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mai

PETER REINBERG, 51 WABASH AVE. CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Houses for Carnations.

As a great many are building at this ason of the year, or are preparing to nstruct carnation houses, a few re- arks on houses and our experience ith the different styles of houses may e opportune.

Opinions differ widely as to what is e most suitable house for carnations, d this may perhaps be due to the fferent climates in which the plant is own. There would, of course, be a eat difference in the behavior of ock grown in the South and that of r carnations here in New England; d I cannot cover the construction of ouses for a warmer climate than our vn. Then, too, here in New England e find that very few of our growers ite in saying that a certain style of use is the most practical, and I ould hesitate to say that any style is ally the best. But we have grown rnations in a number of houses hich differ radically, and I wish to ve you the conclusions derived from is varied experience.

Several years ago we grew William ott in an even-span house, running st and west, which was the producer more flowers per plant than any we ve ever grown, and the quality of e bloom was uniformly good. This as a house with solid beds, and the il was very heavy; in fact, heavy ough for roses.

A three-quarter span house, with ooden benches planted some years o with the almost forgotten scarlet, mily Pierson, is a historic house, and t this structure did not maintain the ality of bloom as late in the season did the former mentioned.

Passing from these, let us stop for a oment and consider some famous uses of Daybreak. These were in en-span structures, and grown in- de all Summer in solid beds; and, ain, were wonderful producers of gh-grade bloom even in the late ring when plants in the other houses, ith benches, were throwing small, or flowers.

These houses I have mentioned are w but local history, and yet are val- ble as studies when we consider the estion of houses and benches. We ust allow for the difference in vari- ies, still there is a great deal to be arned from past experiences.

At the present time, our carnations e in four houses—two 30x300 and two x300 feet. One of the wider houses ing two-thirds span to the south, and e others all even span and all run- ng east and west, with a cross-walk the center. The plants in these were nched practically at the same time, d there has been very little differ- ce in the quality and quantity of oom cut, allowing for differences of rieties.

The requisites of a model carnation use seem to be plenty of light and mple top and side ventilation; and, rsonally, I favor the two-thirds span ouse.

A great difference, however, has been ticed in regard to the heating of ese houses; and I do not hesitate to commend the wide house. We find ry little difference in the heating of e high and low houses, and with enty of headroom there should be tter results. Allow plenty of room tween the plants and the glass and tter flowers in the warm weather ill be the result.

In computing capacities we find that ch of our large houses holds about many plants as the two smaller es combined, and throughout the Winter it has taken very little, if any, more heat to keep up the temperature in these large houses than in the small ones holding but half as many plants. The smaller houses are subject to rapid changes in temperature and require more careful watering. It has convinced all who have the handling of them that they are not nearly as economical as the larger houses. One house is more easily handled than two, and the house which can be the most easily heated is the house to build.

How wide to build a house is an open question: but I should say anywhere from thirty five to fifty feet. And I believe it would be unwise to build less than thirty five, and more than fifty a costly experiment. We have a palm house, sixty-five feet in width, that has been very satisfactory; but for flowering plants there is a question.

How long would you build? is another question that is hard to answer. A prominent florist once said to me: "Were I to build again I should build houses fifteen hundred feet long, with a heating station in the center and run pipes in both directions." That might be well, but circumstances nearly always control the length of greenhouses. Whatever style of house you build, be sure there is plenty of ventilation, and use large glass in order to get plenty of light; and do not be sparing of headroom.

Benches.

The benching of a house is an interesting problem. In fact, what in connection with greenhouse management is not a problem? We have grown excellent carnations on solid beds. We have had good success with benches. What, then, is the thing for us to build? I referred to a house of Daybreak grown inside and planted from pots into solid beds. This was a success and gave us good bloom up until July and later. Houses of other varieties have been winners on benches, but they lacked the quality which should be a guarantee of good prices late in the season, although they made up for it by being earlier. At present we are using wooden benches largely, but four solid beds give us better results in the Spring of the year, and this compromise seems to be about right. We want the bulk of our flowers in the Fall and Winter, and our benches give them; while we have a call for high-grade bloom later and the solid beds are then in their prime. Mrs. Lawson planted side by side on both beds and benches give us an interesting comparison, the beds throwing flowers with shorter stems early and giving better quality blooms late. We are now benching a house of the same variety from pots, on both beds and benches, and this early benching may give us better stemmed flowers in the Fall and do away with one serious fault of late planting in solid beds. We have found that we get more bursted calyces from the beds; but more careful watering should counteract this tendency to burst.

In building both beds and benches care should be taken to supply ample drainage, for the carnation will not do its best if the soil becomes in the least water-logged.

The proper width for a bench is another problem, and the tendency to make the benches narrow is more and more noticeable. Four or five rows of plants is enough. By reducing the number of rows more light is given to the individual plants, and with the increase in light come better results.

To sum it all up: Wide, long houses, with plenty of light and ventilation; narrow benches and plenty of drainage, are the important points when building, if carnations are wanted during the Winter months, and for indoor culture and Summer blooming, solid beds, if they have ample drainage.

W. R. PIERSON.

Field Planting at Flatbush, N. Y.

The Dailledouze Bros. finished their field planting on April 25. The weather was most favorable for the operation, and, although a little over seventy five thousand plants were put out, it took only four days to complete the task.

There is probably no firm of carnation growers that makes a closer study of the buyers' needs than does this concern, and the brothers come as near knowing what to grow and what to discard as it is possible to do. Of the plants put in the field that the firm will house and grow for cut flowers, the following is the list:

White, White Bradt, 5,000; May Naylor, 4,000; Governor Lowndes, 1,000; The Queen, 250; and 1,500 each of three white seedlings of their own. Light pink, Genevieve Lord, 7,000; Fragrance, 7,000; Fair Maid, 2,000; Enchantress, 2,500. Dark pink, Mrs. Thomas W. Lawson, 3,000; President McKinley, 1,000, Sibyl, 500. Scarlet, an unnamed sport from General Maceo, 2,000; Governor Bliss, 1,000. Crimson, Harlowarden, 1,000; and an unnamed seedling of the firm's, 4,000. Yellow, variegated, Eldorado, 1,500; Dorothy Whitney, 1,500. White, variegated, Viola Allen, 1,000; Prosperity 3,000.

In addition to the above there are 5,000 plants of one, two and three-year-old seedlings set out. These will go in the houses in the Fall for further trial. Among the seedlings that have flowered once only, there are sixty-three different varieties, all of which are to be tried again in the houses next season.

The outdoor planting has been done on a piece of property about one mile from the greenhouses on a farm bought some time ago by the firm.

A tour through the houses at this time finds many varieties still blooming heavily. Eldorado is a mass of yellow, and Fair Maid proves itself to be a desirable pink sort, by its remarkable show of bloom at this time. Viola Allen is almost over, but we were informed that it has been a great producer and a good paying variety. May Naylor has fully demonstrated its capabilities as a standard kind, and is still producing very heavily. Fragrance never did better than it has done this year, and daily large cuts are still the rule. The firm's crimson seedling is a remarkably fine grower and is producing heavy crops of flowers yet. The color of the blossoms is all that could be wished, and as is seen by the above list this variety will be relied upon mainly for next year's supply of flowers of this color.

Besides the carnations, a large crop of lilies is coming in for Memorial Day. Some houses are being cleared out in preparation for chrysanthemums, the planting of which will be commenced during the coming week.

CARNATIONS Fine Healthy Rooted Cuttings

	Per 100	per 1000
Mrs. T. W. Lawson	$2 50	$22 00
Hill Sport	1 50	12 50
G. H. Crane	2 00	17 50
Gov. Roosevelt	2 00	17 50
Norway	1 50	
Mrs. Bradt	3 00	
J. H. Manley	5 00	

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Governor Wolcott, white	$2 00	$20 00
Alba, white	2 00	20 00
Golden Beauty, yellow	2 00	20 00
Stella, variegated	2 00	20 00
Apollo, scarlet	2 00	20 00
Norway, white	1 00	7 50
Governor Roosevelt, crimson	1 00	7 50
General Maceo, maroon	1 00	7 50
Dorothy, pink	1 00	7 50
Eldorado, yellow	80	5 00
Gold Nugget, yellow	1 00	7 50

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250	Viola Allen	6 00
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500	Prosperity	6 00
1000	Alpine Glow	10 00
250	Challenger	6 00
250	Gaiety	6 00
250	Her Majesty	10 00
500	Marshall Field	10 00
500	May Naylor	10 00
100	Governor Lowndes	12 00
200	Penelope	8 00
500	Floriana	3 00

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	Per 100	Per 1000
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Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.
BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each. Cash or C. O. D.
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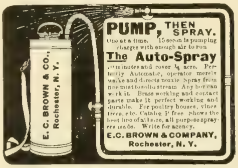

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Roses	A. Beauty, fancy—special	10.00 to 12.00
	" extra	8.00 to 10.00
	" No. 1	4.00 to 6.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	8.00 to 12.00
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00
	" extra	3.00 to 4.00
	" No. 1	2.00 to 3.00
	" No. 2	1.00 to 2.00
	Golden Gate	2.00 to 6.00
	Liberty	2.00 to 10.00
	Meteor	.50 to 4.00
	Adiantum	.35 to .75
	" Croweanum	...... to 1.25
	Asparagus	25.00 to 50.00
	Callas	3.00 to 6.00
	Cattleyas	12.00 to 15.00
	Cypripediums	..... to ......
	Dendrobium formosum	...... to ......
	Daisies	1.00 to 2.00
Carnations	Inf'r grades, all colors	.75 to 1.00
	Standard Varieties: White	1.00 to 1.50
	Standard Varieties: Pink	1.00 to 1.50
	Standard Varieties: Red	1.00 to 1.50
	Standard Varieties: Yel. & Var.	1.00 to 1.50
	*Fancy— (*The highest grades of standard var.): White	2.00 to 3.00
	*Fancy—: Pink	2.00 to 3.00
	*Fancy—: Red	2.00 to 3.00
	*Fancy—: Yel. & Var.	2.00 to 3.00
	Novelties	3.00 to 5.00
	Lilies	2.00 to 5.00
	Lily of the Valley	1.00 to 2.00
	Narcissus—Paper White	...... to .50
	" —Yellow	...... to .50
	Mignonette—ordinary	4.00 to 5.00
	" fancy	6.00 to 8.00
	Smilax	10.00 to 12.50
	Stocks, per bunch	.15 to .25
	Sweet Peas, per bunch	.03 to .05
	Tulips	...... to 1.00
	Lilac, per bunch	.05 to .10

WALTER F. SHERIDAN
Wholesale Commission Dealer in **Cut Flowers**
Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
Telephone 902 Madison Square.
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JOHN I. RAYNOR 49 West 28th St., **New York.**
TELEPHONE, 1998 MADISON SQUARE.

We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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LIBERTIES SAMUEL S. PENNOCK BEAUTIES
1612-14-16-18 Ludlow St., Philadelphia
Mention the Florists' Exchange when writing.

Boston.

The Week's News.

Herman Thiemann, of Manchester, has invited several of the old guard to spend the day with him on Friday of this week.

Carl Jurgens, of Newport, R. I., is sending in a fine batch of American Beauty roses from a house which has been run cold all Winter. The flowers are remarkably clean, and the stems and foliage are very strong and heavy.

Welch Bros. has sent a man South in quest of hardy ferns for Decoration Day, and from his reports this firm will be in a position to supply at least a million ferns for that occasion.

At Sutherland's several new ideas in "Koral" lettering and designing for the Decoration Day trade are to be seen, as well as a neat lot of metal wreaths, which have just arrived.

The auction sales are booming at McCarthy's salesroom, and have been well attended. At my last visit I saw one of the finest batches of bay trees I have seen hereabouts for some time.

A strike among the boys at Wax Bros., on Tremont street, has been declared this week.

A meeting of the creditors of J. M. Cohen was held Monday, when a committee, consisting of W. H. Elliott, E. N. Pierce and Wm. Anderson, was appointed to confer with the assignee.

George C. Watson, of Philadelphia, Pa., was in town for a few days this week.

F. J. NORTON.

Pittsburg.

Club Meeting.

The May meeting of the Florists' Club, held last week, was fairly well attended. In the absence of the president and vice-president P. S. Randolph was called upon to preside.

The subject for discussion was bedding plants. John Bader furnished several boxes of plants of varieties which were mainly in demand. J. W. Ludwig brought in several varieties of fine double tulips, which were grown at his home. The subject for the June meeting will be "Hardy Roses and Other Hardy Blooms."

News Notes.

Wm. Falconer is now superintendent of the Allegheny Cemetery, having entered on his duties there the first of May. The Department of Public Works is trying hard to induce him to take back his old position, and an ordinance has been introduced into Council increasing the salary to $4,000 per year, the same amount the superintendency of the cemetery pays.

J. B. Murdoch & Bro. have quit the retail florists' business, giving up their storeroom a few days ago, and will devote their time at present growing cut flowers for the trade. The store of Murdoch Bros. was the oldest florist stand in the city, having been in the hands of the same family for over fifty years. The store was sold a few months ago at a good price.

Wm. Hamilton has been reappointed superintendent of parks in Allegheny City by the new Recorder.

E. C. REINEMAN.

Buffalo.

News Items.

The stores generally seem busy, without over-working efforts being demanded.

Rachel M. Rebstock's store has undergone important additions of mirroring of the side walls and window on a liberal scale.

John G. Pickelman has moved his business from the former Washington street location to No. 15 West Chippewa street, popular as a shopping center, and but a few doors from Main street.

The tulips in the beds in Lafayette square are now in good show, albeit in blooms a bit small owing to the dryness occurring in the beds, which are somewhat raised inside of cut stone copings.

J. H. Rebstock's window show this week includes calceolarias, with large and specially handsome colored blooms.

VIDI.

BEAUTIES, LIBERTIES, VALLEY
LEO NIESSEN, 1217 Arch St., Philadelphia.
Mention the Florists' Exchange when writing.

"Koral"
HEADQUARTERS FOR
Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston May 6, 1903	Phil'delphia May 5, 1903	Baltimore Apr. 21, 1903	Buffalo May 5, 1903	Pittsburg May 4, 1903
Roses	A. BEAUTY, fancy—special	20.00 to 25.00	...... to	...... to	20.00 to 30.00	...... to 32.00
	" extra	16.00 to 20.00	25.00 to 35.00	...... to	10.00 to 15.00	...... to 25.00
	" No. 1	8.00 to 12.00	12.00 to 16.00	20.00 to 25.00	6.00 to 8.00	...... to 16.00
	" Culls and Ordinary	1.00 to 4.00	6.00 to 8.00	6.00 to 16.00	2.00 to 4.00	4.00 to 8.00
	Queen of Edgely	2.00 to 20.00	6.00 to 32.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to	...... to	...... to	...... to	10.00 to 12.00
	" extra	6.00 to 8.00	8.00 to 10.00	...... to	8.00 to 10.00	6.00 to 8.00
	" No. 1	3.00 to 4.00	6.00 to 7.00	6.00 to 8.00	5.00 to 6.00	3.00 to 4.00
	" No. 2	1.00 to 2.00	4.00 to 6.00	3.00 to 5.00	2.00 to 4.00	...... to 2.00
	Golden Gate	...... to	4.00 to 8.00	4.00 to 8.00	2.00 to 6.00	...... to ......
	K. A. Victoria	3.00 to 8.00	...... to	4.00 to 6.00	2.00 to 10.00	2.00 to 12.00
	Liberty	2.00 tc 10.00	6.00 to 25.00	3.00 to 8.00	2.00 to 10.00	4.00 to 12.00
	Meteor	1.00 to 5.00	...... to	3.00 to 8.00	2.00 to 8.00	2.00 to 6.00
	Perle	...... to	4.00 to 10.00	3.00 to 5.00	3.00 to 6.00	2.00 to 6.00
	ORCHIDS—Cattleyas	...... to	...... to 60.00	...... to	...... to	...... to ......
	Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	...... to .50	...... to	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES White	...... to 1.00	1.50 to 2.00	2.00 to 3.50	2.00 to 2.50	1.50 to 2.50
	Pink	...... to 1.00	1.50 to 2.00	2.00 to 3.50	2.00 to 2.50	1.50 to 2.50
	Red	...... to 1.00	1.50 to 2.00	2.00 to 2.50	2.00 to 2.50	1.50 to 2.50
	Yellow and var.	...... to 1.00	1.50 to 2.00	2.00 to 3.50	2.00 to 2.50	1.50 to 2.50
	*FANCY (*The highest grades of Standard var) White	...... to 1.50	3.00 to 6.00	...... to	3.00 to 4.00	3.00 to 5.00
	Pink	...... to 1.50	3.00 to 6.00	...... to	3.00 to 4.00	3.00 to 4.00
	Red	...... to 1.50	3.00 to 6.00	...... to	3.00 to 4.00	...... to 3.00
	Yellow and var.	...... to 1.50	3.00 to 6.00	...... to	3.00 to 4.00	3.00 to 4.00
	NOVELTIES	2.00 to 3.00	...... to	...... to	5.00 to 8.00	...... to ......
	ADIANTUM	.75 to 1.00	...... to 1.00	...... to 1,00	.60 to 1.25	1.00 to 2 00
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 75.00	10.00 to 60.00	20.00 to 60.00
	CALLAS	6.00 to 8.00	...... to 12.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00
	DAFFODILS	...... to	...... to	...... to .75	1.00 to 3.00	...... to ......
	DAISIES	.50 to .75	...... to 1.50	...... to	...... to	1.00 to 2.00
	GALAX LEAVES	...... to .10	...... to .10	...... to .10	...... to .15	...... to ......
	HYACINTHS	...... to 2.00	...... to	3.00 to 5.00	1.00 to 3.00	...... to ......
	LILAC	...... to	...... to	...... to	...... to	...... to ......
	LILIES	6.00 to 8.00	...... to	8.00 to 12.00	8.00 to 12.50	5.00 to 12 00
	LILY OF THE VALLEY	2.00 to 3.00	3.00 to 4.00	...... to 3.00	3.00 to 5.00	3.00 to 4.00
	MIGNONETTE—Ordinary	1.00 to 1.50	...... to 3.00	...... to 2.00	1.00 to 2.00	1.00 to 2.00
	" Fancy	...... to	...... to	...... to	4.00 to 5.00	3.00 to 4.00
	NARCISSUS	...... to 1.00	...... to	...... to	.25 to .75	...... to .50
	PANSIES	.25 to .50	...... to	...... to	...... to	.50 to 1.00
	SMILAX	...... to 15.00	15.00 to 20.00	10.00 to 25.00	...... to 15.00	15.00 to 20.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	...... to .75	1.00 to 1.50	...... to .75	.50 to 1.00	.50 to 1.25
	TULIPS	...... to 2.00	...... to	...... to	.50 to 2.00	...... to ......
	VIOLETS	...... to	...... to	...... to .35	.25 to .40	...... to ......

BOSTON, MASS.
WELCH BROS., 15 PROVINCE STREET
We are receiving several hundred AMERICAN BEAUTY ROSES daily, best quality, all grades. Special figures given where large numbers are wanted. Send for price list for Memorial Day, May 30th.
Mention the Florists' Exchange when writing.

Norwalk and South Norwalk, Conn.

Business in the "twin cities" has been quite lively during the past two weeks. There have been several dances, which created a good demand for cut flowers. The High School graduating exercises were held last week, but a rule is now in force that no flowers shall be publicly presented to the graduates, as it engenders undesirable jealousy among the pupils. This was quite a loss to the local florists.

Nursery stock has been in greater demand this Spring than for some time past, probably owing to the late severe frost, which did considerable damage in this neighborhood.

The Smith Estate, of South Norwalk, during the past two weeks has been very busy with funeral work, sending quite a number of pieces out of town. Charles Smith, who manages the business for the Estate, is an up-to-date, go-ahead florist.

At Hanford's Floral Hall, owing to lack of space, a great quantity of the bedding plants had to stand till the Easter stock was cleared out, but it is being hustled along, and a good supply will be in salable condition before the rush sets in. At this establishment a general stock is grown to meet the requirements of a local trade. The rose-house, which is devoted to Bride and Bridesmaid, has furnished excellent cutting the season through, and is still doing well. There are three houses set apart for the leading varieties of carnations, and Mr. Hanford spares neither time nor expense in his efforts to produce the finest of flowers. Ferns are also extensively grown to meet the demands of a growing wholesale trade.

Selectman Sam. Lynes is an enthusiastic carnation grower and his house of assorted varieties has made a fine showing of late.

G. W. P.

WM. J. BAKER
WHOLESALE FLORIST
Carnations, Lily of the Valley
Violets
1432 So. Penn Square
Telephone. Philadelphia, Pa

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Wholesale Florist
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Telephone 1-42-26-A.

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PHILADELPHIA
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Wholesale Florists
CARNATIONS A SPECIALTY
No. 1305 Filbert St., Philadelphia
Bell and Keystone 'Phones

Wholesale Florists,
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
N. F. McCarthy & Co.
JOBBERS IN
FLORISTS'
SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON

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Wholesale Florists
PITTSBURG, PA.

Headquarters in
Western New York
For ROSES
CARNATIONS
And all kinds of Seasonable Flowers
WM. F. KASTING
Wholesale Commission Florist
ALSO DEALER IN FLORISTS' SUPPLIES AND WIRE DESIGNS
481 Washington St. BUFFALO, N.Y.
TELEPHONE SENECA 620
GIVE US A TRIAL. WE CAN PLEASE YOU.
Mention the Florists' Exchange when writing.

Malden, Mass.

Edwin A. Kelley, the well-known Faulkner florist, sailed for Cuba on May 1, where he may remain if the place suits him. He has sold his Malden greenhouses.

St. Louis.

ws Notes.

Robert Aull, who was at one time
retary of the St. Louis Fair Asso-
ation, was appointed park commis-
ner by Mayor Wells on Friday last,
bject to confirmation by the City
uncil. As Mr. Aul is a Democrat,
ere is little doubt but that the ap-
intment will be confirmed. After Mr.
ll takes his office he will appoint a
perintendent to succeed F. W. Pape,
o has held the office for the past four
ars under Frank L. Ridgely, whom
r. Aull succeeded. The chances are
at all the parks will have new keep-
s by June 1.

All three wholesale houses were
sed on Thursday of last week in
der to give their employees a chance
view the parade, early in the day.

The World's Fair people are now in
ssession of the Tesson greenhouses.
r. Tesson reports that he has dis-
sed of his lease of the Grand avenue
re; and on his return from a short
sit to Europe he will start building
s new plant on the East Side, which
ll be one of the largest.

The store recently opened by Charles
nnon, at Seventh and Locust streets,
s not a paying venture. The store
closed and offered for rent.

. H. Kuehn is receiving an extra
e supply of L. Harrisii and Ameri-
n Beauty. Carnations are also very
e at this place.

ub Meeting.

The club meeting, which is to be
ld next Thursday, May 14, will be a
ry important one. So says President
nford. A miscellaneous cut flower-
ow will be held, and every member is
uested to bring something to make
e room attractive. Mr. Fillmore re-
rts that his essay will be ready; the
bject is "Soft and Hard Coal Heat-
g." Mr. Fillmore has had plenty of
perience with both, and will there-
re be able to read a very good and
eresting paper, which will be of
me benefit to all of our members.

The trustees are especially requested
be present to arrange for the Sum-
er program.

wling.

The bowling club, Mr. Beneke
ys, will be revived by the end of the
nth, when the league season ends.
meeting will then be called at one
the downtown alleys to start bowl-
g once a week, so that the club may
in shape this Summer to select a
am to bowl at Milwaukee. The old
b has still some good timber left
make up a first-class team, if we can
ly get the boys to practice once a
ek. ST. P.

Cincinnati.

ws Jottings.

Cold and chilly weather still pre-
ils in this section; for the past two
ghts we have had killing frosts and
outdoor stock suffered. The market
rdeners are the ones who suffered
st.

Business keeps up unusually well
d stock is fairly good and sells at
d prices. Monday night the Munici-
l Code goes into effect, and when
uncil assembles they will be greeted
the greatest display of flowers ever
n in this city. All the retail stores
ve large orders to fill, and the writer
s furnished to the florists over one
usand American Beauty roses, to
used upon this occasion. These were
long-stemmed fine stock, and came
m Heller Bros., of New Castle, Ind.

The residence of J. P. Ernsterhoff,
wport, Ky., was damaged by fire one
rning last week. The neighbors all
ned out and saved nearly all of the
usehold goods; but the building was
ned to the ground. Mr. Ernsterhoff
one of the oldest florists in this vi-
ity, and is well off. The greenhouses
re not damaged to speak of.

. A. Peterson, on the advice of his
tor, is spending ten days at French
k, Ind.

Frank Sneider has leased a piece of
und of Wm. Murphy and will erect
ange of greenhouses. Chas. Murphy
also erecting a few houses to grow
nations.

The Ohio Cut Flower Company has
ved from its old quarters to the cor-
of Main and Third streets. Four
mmission houses are now on one
are.

n Saturday occurs the next meeting
the Cincinnati Florists' Society.

E. G. GILLETT.

Chicago.

General News.

All the large growers of American Beauty are busy replanting their houses. A large increase of space over that of last year will be devoted to this rose in this locality. Peter Reinberg has his new range, to be used for American Beauty, well under way.

The J. D. Thompson Carnation Company, Joliet, Ill., has one house planted to Mrs. Thomas W. Lawson and Enchantress. The plants are as large as those planted in the Fall the first year this establishment was in operation, and are a great deal larger than a good many growers had them last Fall at the usual planting time. They will be given the same treatment as those planted in the Fall; that is, they will be kept pinched back for a certain length of time. This firm thoroughly believes in growing their carnations inside. Just now they are cutting some nice stock. Prosperity is yielding a supply of fine flowers, as is Governor Roosevelt. The concern's young stock is in A1 condition, and in large quantity, so that a good opportunity for selection is furnished. This firm has made provision to plant the following varieties and numbers: Enchantress, 8,000; Nelson Fisher, 4,000; Mrs. M. A. Patten, 4,000; Governor Wolcott, 12,000; Boston Market, 4,000; Apollo, 8,000; Prosperity, 4,000; Estelle and Mrs E. A. Nelson, 4,000 each; Adonis, 2,000; Peerless, 3,000; Governor Roosevelt and Harry Fenn, 1,000 each.

Adonis as seen here seems to be a fine grower. The plants are sturdy, with good bloom on the foliage; practically no loss has been sustained with this variety, and if it could be grown by everyone as it is done here, it is sure to be a winner.

This firm will offer a fifty-dollar silver cup for the best vase of 100 blooms of Enchantress to be shown at the Detroit meeting of the American Carnation Society, the trophy to be known as the "Fisher and Thompson Cup."

T. D. Mosconotes had the decorations for the Vilas-Hayden wedding. Those for the church and home were in white and green. The work was under the superintendence of H. Klunder, his manager. The bridesmaids' bouquets were of maidenhair fern.

J. T. Helbrook is building a store and greenhouse, 12x125 feet, opposite the Wrightwood avenue station of the Northwestern elevated railroad.

E. Benthey is again seen at his place of business after a week's illness.

Visitors in town this week included: Otto Benthey, New Castle, Ind.; S. S. Skidelsky, Philadelphia; H. V. Hunkel, Milwaukee, Wis.; J. T. Buckbee, Rockford, Ill.; G. A. Washburn, Bloomington, Ill.; W. A. Gonter, Battle Creek, Mich., and A. S. Halstead, Belleville, Ill.

ROBERT JOHNSTONE.

Indianapolis, Ind.

News of the Week.

The State Florists' Association held its monthly meeting Tuesday evening, May 5, at the Commercial Club Rooms. A local paper has it that the aforesaid association was to discuss the advisability of boycotting the wholesale florists who sell flowers to department stores in this vicinity. No doubt the more level-headed members discovered the absurdity of such a proposal, and squashed it in its infancy.

This State has been visited by heavy frosts lately, and serious damage has been done; fruits, berries and shrubs, lilacs and other outdoor flowers have been rendered almost unfit for use. Customers who clamor to have their bedding done the first day of May have been taught a lesson not soon to be forgotten.

Tomlinson Hall market is kept filled these days with all kinds of bedding stock. Of course, the date is a trifle early, but quite a quantity is disposed of.

Visitors: J. A. E. Haugh, Fred Dorner, Jr., and Herbert Heller. I. B.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

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The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower House in Chicago
32, 34, 36 Randolph St., CHICAGO, ILL.

J. B. DEAMUD
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
51 and 53 Wabash Ave., CHICAGO

McKELLAR & WINTERSON
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago May 5, '03	St. Louis May 5, '03	Cincinnati May 4, '03	Milwaukee May 4, '03	Detroit Apr. 22, '03
	A. BEAUTY, fancy—special	...... to 24.00	...... to 25.00	...... to 32.00	...... to 25.00	...... to 24.00
Roses	" extra	18.00 to 20.00	15.00 to 20.00	25.00 to 30.00	15.00 to 18.00	18.00 to 20.00
	" No. 1	12.00 to 15.00	6.00 to 12.50	16.00 to 20.00	10.00 to 12.50	12.50 to 18.00
	" Culls and Ordinary	...... to	2.00 to 5.00	4.00 to 8.00	4.00 to 8.00	6.00 to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	6.00 to 8.00	...... to 6.00	...... to 8.00	...... to 8.00	6.00 to 8.00
	" extra	5.00 to 6.00	...... to 5.00	...... to 6.00	...... to 6.00	5.00 to 6.00
	" No. 1	4.00 to 5.00	...... to 4.00	...... to 5.00	...... to 4.00	4.00 to 5.00
	" No. 2	3.00 to 4.00	...... to 3.00	...... to 3.00	...... to 2.00	...... to ......
	Golden Gate	3.00 to 8.00	3.00 to 6.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
	K. A. Victoria	4.00 to 8.00	3.00 to 6.00	...... to	4.00 to 6.00	...... to ......
	Liberty	4.00 to 25.00	3.00 to 6.00	4.00 to 15.00	4.00 to 8.00	...... to ......
	Meteor	4.00 to 6.00	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00
	Perle	4.00 to 6.00	3.00 to 5.00	...... to 4.00	4.00 to 6.00	4.00 to 6.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to ......
	Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50	...... to	...... to	1.50 to 2.00
	STANDARD VARIETIES White	1.50 to 2.00	2.00 to 2.50	...... to 2.00	...... to 2.00	2.50 to 3.00
	Pink	1.50 to 2.00	2.00 to 2.50	...... to 2.00	...... to 2.00	1.50 to 3.00
	Red	1.50 to 2.00	2.00 to 2.50	1.50 to 2.00	...... to 2.00	1.50 to 3.00
	Yellow and Var.	1.50 to 2.00	2.00 to 2.50	...... to	...... to 2.00	1.50 to 3.00
	*FANCY— (*The highest grades of standard var) White	2.50 to 3.00	3.00 to 4.00	...... to 3.00	3.00 to 4.00	3.00 to 4.00
	Pink	2.50 to 3.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	Red	2.00 to 3.00	3.00 to 4.00	...... to 3.00	3.00 to 4.00	2.50 to 3.00
	Yellow and Var.	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
	NOVELTIES	5.00 to 6.00	...... to	...... to	...... to	...... to ......
	ADIANTUM	.50 to 1.00	...... to 1.00	...... to 1.50	...... to	.75 to 1.00
	ASPARAGUS	20.00 to 50.00	10.00 to 30.00	40.00 to 50.00	...... to	25.00 to 80.00
	CALLAS	6.00 to 10.00	8.00 to 10.00	...... to 10.00	...... to 10.00	6.00 to 8.00
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	.50 to 1.50	.25 to .50	...... to .50	...... to .50	.50 to 1.50
	GALAX LEAVES	...... to .15	...... to .15	...... to .15	...... to .20	...... to .15
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILAC	...... to	...... to	...... to	...... to	...... to ......
	LILIES	6.00 to 10.00	8.00 to 10.00	10.00 to 12.00	...... to 8.00	6.00 to 10.00
	LILY OF THE VALLEY	3.00 to 5.00	...... to	...... to 4.00	...... to 4.00	3.00 to 5.00
	MIGNONETTE—Ordinary	...... to 4.00	...... to	...... to	...... to	3.00 to 4.00
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	PANSIES	.75 to 1.00	...... to	...... to	...... to 1.00	...... to ......
	SMILAX	...... to 15.00	...... to 15.00	...... to 15.00	...... to 25.00	10.00 to 15.00
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	SWEET PEAS	.75 to 1.50	...... to .75	.50 to .75	...... to .75	1.00 to 1.50
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1500	2 in. pots in crate,	$4.88
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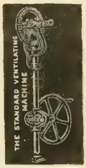

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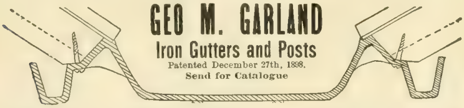

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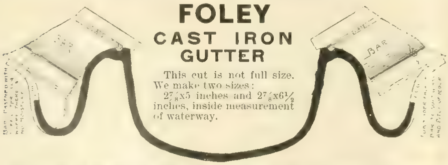

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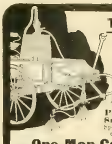

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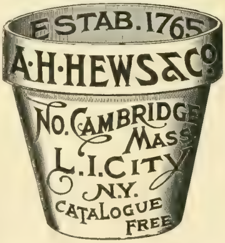

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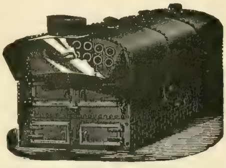

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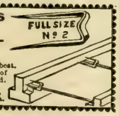

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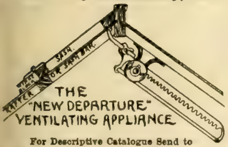
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San Francisco.

Spring Exhibition

Chairman J. W. Bagge and his associate members on the committee of arrangements, H. Plath, Wm. Eldred, Chas. Fick, P. Rock, Thos. M. Monro, F. Ludemann, and N. Peterson, are feeling very much better than was their condition of mind through fear that there would be a shortage of exhibits, particularly of outside flowers, as indicated in last week's report. They have worked hard meantime, the result being an abundance of exhibits.

The general verdict is that a more artistic arrangement of flowers has never been seen at any show in San Francisco than the present Spring exhibition of the Pacific Coast Horticultural Society. The first night's turn-out of patrons was a notably large and fashionable one.

The judges—George Walters, of Ross Valley; Sidney Clack, of Menlo Park, and H. W. Waddington, of San Francisco—made the following awards:

Roses, best collection grown under glass, Ferrari Bros., first; best field-grown, F. W. Ludemann, first; best vase American Beauty grown under glass, M. Aebi, first; best vase field-grown Rainbow, F. W. Ludemann.

Carnations, best collection, first, Sievers Co.; best vase Mrs. T. W. Lawson, Carboni Bros.

Iris, best display, Mrs. W. H. Crocker, Burlingame; pelargoniums, best collection, Sievers Co., first; McLean, second. Pansies, best collection, McLean, first; G. A. Pope, second. Lilies, best display, Mr. Young. Shrubs, flowering, best collection, W. H. Crocker. Decorative plants, staged for effect, Sievers Co., first; H. Plath, second. Best single sago palm, Sievers Co. Ferns, best collection, also best single, H. Plath. Flowering plants, Ferrari Bros. Pansies, best collection, Serveau Bros. Orchids, first, Sievers Co. Rhododendrons, best and largest exhibit, F. W. Ludemann.

Best hanging basket, H. Plath. Prize floral designs, under $10.00 (other than funeral), R. Hilbert's basket of iris, lily of the valley, ferns, and green satin ribbon bows; second, F. Cleis' heart design of roses, etc.; third, basket of red carnations, B. B. Welch.

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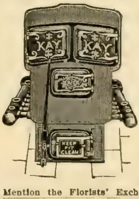

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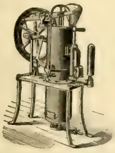

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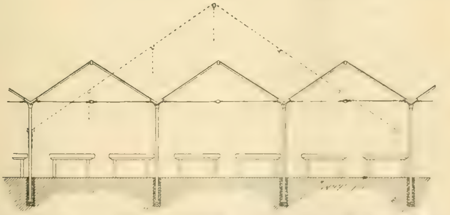

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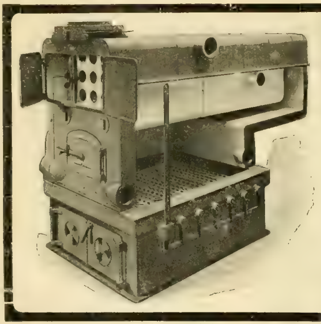

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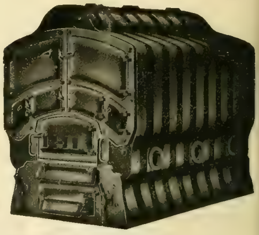

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THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,
SHEEP MANURE

I have now on hand a large quantity of
A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

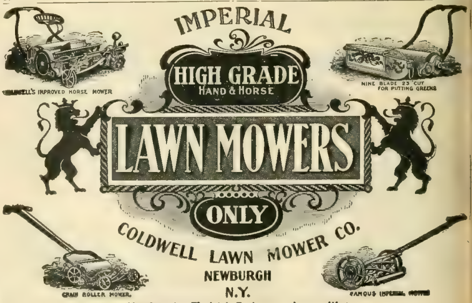
Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**

Mention the Florists' Exchange when writing.

FERTILIZER

We manufacture a superior article for Potatoes, Cabbage, Celery, Corn, etc., body of same **Pure Bone**; test about 6 per cent. Ammonia, 7 to 8 per cent. Potash K.O. 166 pound bag. $3.25; ton, $36.00. A pure Bone Meal for greenhouse, lawns, fruit trees, etc.; tests 6 per cent Ammonia, 80 per cent. Bone Phosphate; 166 pound bag $3.00; ton. $32.50. Also have a practical Potato Special tests 8 per cent. Potash, $30.00 ton. A dissolved Bone and Potash, tests 10 per cent. avail. Phos. Acid, 2 to per cent. Potash, $22.50 ton. A General Crop Fertilizer at $24.50. All delivered free, in ton lots, if cash accompanies order. **Jas. L. Reynolds Co., Mt. Vernon, N.Y**

Mention the Florists' Exchange when writing.



COLDWELL LAWN MOWER CO.
NEWBURGH
N.Y.

Mention the Florists' Exchange when writing.

Supplement with this Issue

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

l. XV. No. 20 NEW YORK, MAY 16, 1903 One Dollar Per Year

you want the best paying crop that you can plant for Summer, plant

HE PIERSON FERN

(Nephrolepis Piersoni)

here is nothing you can plant that will increase in value so rapidly as this. The nd has been so great and our advance sales so large that we have not offered it tly, having only just completed filling our advance orders. We have a nice lot of g stock coming on, and can fill all orders received from this date promptly on receipt.

ven at the present high price it has been impossible to keep up with the demand, there is sure to be a tremendous demand for it another season when it can be offered wer prices. **Now is the time to invest** in it and get the benefit of the endous demand and good prices which are sure to prevail another season.

he **BOSTON FERN,** although it has been cultivated many years, is still scarce. ephrolepis Piersoni will sell [illegible] l be in greater demand even than the Boston , we predict a scarcity of [illegible] s Piersoni for several years to come and at big s. Owing to the great [illegible] ed demand, we do not expect to be more than to meet the demand this spr[illegible] o that customers can rest assured that there will o change in price this season.

offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants 0 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

ra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall le, and they are also very nice for immediate sales.

R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

OSE PLANTS

Large, Clean, Healthy

WN ROOT STOCK

BRIDE **BRIDESMAID** **METEOR**	2¼ in.,	$4.00	per	100
		$35.00	"	1000
	3½ in.,	$7.00	"	100
		$60.00	"	1000

sparagus Plumosus Nanus

GOOD HEAVY STRINGS

8 feet long, 50 Cents Each.

W. H. ELLIOTT, Brighton, Mass.

CANNAS STARTED IN FLATS

Ready for Planting Out; Strong and Healthy.

50 plants of one kind in a flat	$1.40 per flat; $25.00 per 1000
Assorted kinds	.50 per doz.; 3.00 per 100

Varieties as follows: **Queen Charlotte, Mme. Crozy, Paul Marquant, Shenandoah, Burbank, Chas. Henderson, Alphonse Bouvier, Peachblow, Alsace, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria.**

DORMANT CANNAS of above sorts, large pieces, three and more eyes, 25cts. per dozen; $1 50 per 100; $12.50 per 1000.

TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50

(Worth and sold elsewhere for $6.50)

Consists of 50 each **Shenandoah**, dark foliage, large pink flower; **Chas. Henderson**, crimson; **Mme. Crozy**, scarlet, gilt edge; **Florence Vaughan**, yellow, red spots; **Paul Marquant**, salmon pink.

CYCAS STEMS

Dry stems, fresh imported, true long leaf variety, now ready in cases containing 350 lbs. stems of any weight, suitable to customers' requirements. Per lb., 7½ cts.

In whole case lots, 7 cts per lb.

TUBEROSE, The Pearl

4 inch bulbs. All will flower. 35 cts. per 100; $2.50 per 1000 in bbl. lots of about 1500.

DAHLIAS Large Field Roots

	Per 100	Per 1000
Named varieties, Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35 00
Separate colors, pink, red, yellow and white	4.50	40.00

DIUM ESCULENTUM

with Center Shoots.	Per 100	Per 1000
6 inch	$2.00	$15.00
8 to	3.50	30.00
10 to	6.50	50.00
12 inch and over	15.00	

PALM SEEDS NEW SHIPMENT JUST TO HAND.

Pandanus Utilus Seed,	$1 00 per 100;	$7 50 per 1000.	$35,00 per 5000
Cocos Weddeliana,	1.00 "	8.00 "	35.00 "

PHŒNIX Reclinata, $3.00 per 1000. $13 00 per 5000

Rupicola, $7.50 per 1000 $35.00 per 5000.

ARECA LUTESCENS $7.50 per 1000; $35.00 per 5000

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., TELEPHONE 4390 SPRING **New York City**

CORNER JANE STREET

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLAN

B. & A. SPECIALTIE

Millions of Hardy Herbaceous Plants in all the finest Variet

Refer to our Wholesale Catalogue. Special Prices for Large Quantities.

RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

EVERGREENS, We have a very large collection of all kinds, including Abies, Blue Spruce, Retinospora, English and Irish Yews, Cupressus, Thuya, Pinus, Juniperus, Cedrus, etc. Ask for a list of general varieties.

5000 BOXWOOD in all sizes.

VINES, Clematis, large flowering varieties, 3 years old, Dutchman's Pipe, Belgian Honeysuckle, Wistaria, Silk Vine, Ampelopsis Engelmanni, Quinquefolia, Trumpet Vine, Akebia Quinata, Actinidia polygama. All these vines, strong plants, from 5 to 8 ft., per doz., $3.00; per 100, $30.00. Lonicera Halleana, per doz., $1.00, per 100, $8.00. Clematis Paniculata, per doz., $1.00; per 100, $10.00. Lonicera reticulata, per 100, $10.00. Ampelopsis, 2 in., per 100, $8.00; 2½ in. pots, per 100, $10.00; 3 in., per 100, $12.00.

FICUS Rubber Plants, top cuttings, $15.00 per 100. $135.00 per 1000.

JAPAN MAPLES, 2 yrs. old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

KALMIAS (Mountain Laurel), $50.00, $75.00 and $100.00 per 100.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

1500 BAY TREES in all sizes.

AUCUBA JAPONICA, 12-15 in., per doz., $2.50; 15-18 in., per doz., $3.50. **VARIEGATA,** 18-24 in., per doz., $5.00.

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

ROSES. Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

BULBS FOR OUTDOOR PLANTING.

	Per 1000
TUBEROSES, selected bulbs, 3-4 in	$4 00
CALADIUM ESCULENTUM Elephant Ears	
Bulbs, 6-8 in.	14 50
" 8-10 in.	22 50
" 10 12 in.	45 00
DAHLIAS, show, mixed, all colors, double	35.00

GLADIOLUS—	Per 100	1000
Brenchleyensis	$1 00	$8 00
Isaac Buchanan	3.50	
May	2.50	
Lemoine's Hybrids	2 50	20 00
Pink Shades	2 00	15 00
Scarlet and Crimson	1 00	8 00
White and Light	2 25	20 00
Yellow	3.00	25 00

HARDY JAPAN LILIES.

	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in	5 50	45 00
" " 9-11 in	7 00	65 00

	100	1000
ALBUM, 8-9 in.	$5 50	$50 00
" 9-11 in.	7 00	60 00
MELPOMENE, 7-9 in	6 50	60 00
" 9-10 in.	9 50	80 00

We have large quantities of other Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

St.Davids Island HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

Mention the Florists' Exchange when writing.

IMPORT BULB ORDERS

Orders now booked for the highest grade of

Lilies, Hyacinths, Tulips, Narcissus, Freesias, etc.

AT SPECIAL IMPORT PRICES

Prices on Application.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

SCABIOSA

"MORNING BRIDE"

For Summer Cutting.

	Tr. pkt.	Oz.
SNOWBALL	$0.10	$0.15
DOUBLE MIXED	.10	.15

D. Landreth & Sons,
FLORISTS' DEPARTMENT,
1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

This cut is reproduced from a photo of one of my fields taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

CYCAS STEMS

SIZES	
2 to 3 lbs.	Price per 10 lbs.,
4 to 5 lbs.	" " 50 lbs.,
6 to 7 lbs.	" " 100 lbs.,
	" " 1000 lbs.,

STUMPP & WALTER CO., 50 BARCLAY
NEW YORK
BRANCH STORE, 404 EAST 34TH ST.

Mention the Florists' Exchange when writing.

20,000 DAHLIAS

Strong whole field-grown roots, in 50 best sorts, $4.00 per 100; $36 00 per 1000; send for list. Mixed whole roots, in separate colors, white, pink, red and yellow, $3.50 per 100; $30 00 per 1000; fine mixed, all colors. These mixtures contain fine named varieties, all double, show, cactus and pompon, $3.00 per 100; $5.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON,
Purcellville, Va.

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in Ju

Smilax Roots at all Season

	100
Strong Roots, ¾ in. diam.,	$1 00
1 to 1 1-2 in. diam.	2 25
Extra size, 2 to 2½ in. diam.	3 50

Delivered at prices given. Send for Trade

THEODOSIA B. SHEPHERD
VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when wr

GLADIOLI

Our Motto: QUALITY FI
We have, however, a
cient quantity to suppl
demands.
Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. **BERLIN, N.**

United States Grower and Representative of Groff's Hybrids.

Mention the Florists' Exchange when writing.

TUBEROSES

The True Dwa Excelsior Pea

Extra Fine Stock, 4-6 in. circumference	$7.00	per 1000
Good Flowering Stock, ¾ in. "	3.00	"

Prices hold good while stock lasts.

Just Arrived:

BAY TREES, PYRAMIDS and STANDAR
LATANIAS, PHŒNIX, KENTIAS

In all Sizes and Prices. Further Particulars given by

F. W. O. SCHMITZ, Prince Bay, N.

Mention the Florists' Exchange when writing.

TUBEROSE BULB

Dwarf Excelsior Pearl

Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% d
count for cash with order.

Our stock of Excelsior Pearl has be
bred up by many years of careful sel
tion from bulbs producing the short
stalks with full heads of double flowe

	Per 100	Per 1
Medium Size, 3 to 4-in.	$0 50	$3
First Size, 4 to 6-in.	90	8
Mammoth Bulbs, 6 to 8-in.	1 50	10

CALADIUM ESCULENTUM, with li
center shoots.

	Per
5 to 7-in.	$2
7 to 9-in.	3
9 to 12 in.	6
12-in. and up	13

FORCING BULBS

Our arrangement for high grade bul
of French Romans, Paper White Grandi
flora, Callas, Japan Longiflorum, Londo
Market Valley and picked bulbs of all Dut
Hyacinths, Tulips, Narcissus and Spir
are unexcelled.

Bulbs secured from us will be subje
to careful inspection and approval o
arrival, and if in any way unsatisfactory
will be made good at once.

Write for prices before closing any forcing stock order.

NEW YORK:
14 Barclay St.

VAUGHAN'S SEED STORE

CHICAGO:
84-86 Randolph St.

Mention the Florists' Exchange when writing.

Clearance Sale
TUBEROSES
No. 1............. 75 cts. per 100; $6.50 per 1000. No. 2 .... 35 cts. per 100; $2.50 per 1000.
DWARF. EXCELSIOR, PEARL. Mammoth Bulbs
4-6 inches and over, 75 cts. per 100; $6.50 per 1000. 3-4 inches and over, 35 cts. per 100, $2.50 per 1000.
ELEPHANT EARS, with live centre shoots. Unusual value
5-7 inches......... $1.25 per 100; $10.00 per 1000. 8-10 inches . $2.25 per 100; $20.00 per 1000.
GLADIOLUS SELECTED BULBS
J. & S. Special Mixture, splendid bulbs, all colors . . 75 cts. per 100; $6.00 per 1000.
JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

CLEARANCE OFFER **TUBEROSES EXCELSIOR PEARL,** 3x4 in. up, 100, 30c.; 1000, $2.50; 5000, $11.00. **CYCAS REVOLUTA STEMS,** 1-6 lbs., 10 lbs., $1.00; 100 lbs., $7.00.
SEEDS FOR SEASON.
PRIMULA SINENSIS FIMB., white, brilliant red, rose, white with yellow eye, **true blue,** 100 seeds, 25 cts.; 500 seeds, $1.00, 1000 seeds, $1.75.
CINERARIA hybrida maxima grandifl. 500 seeds, 25 cts.; 2500, $1.00.
" " nana grandifl. dwarf, 500 seeds, 25 cts.; 2500 seeds, $1.00.
ASPARAGUS SPRENGERI, 100 seeds, 20 cts.; 1000 seeds, $1.00.
Let us estimate on your wants for forcing bulbs. Can save you 10 per cent. on early orders.
H. H. BERGER & CO., 47 Barclay Street, NEW YORK.
Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.
We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).
Before placing your orders write to
W. MAUGER & SONS, Guernsey, England
Mention the Florists' Exchange when writing.

10,000 Ismene Calathina
Large blooming bulbs, $6.00, $8.00, $10.00 per 1000.
HYBRID AMARYLLIS.
The finest in the country. $6.00 per dozen; $40.00 per 100.
E. HOLLEY, Florist, HUDSON, N. Y.
Mention the Florists' Exchange when writing.

MUSHROOM SPAWN
First Quality
Strictly Fresh
LOWEST PRICES.
WRITE FOR SPECIAL QUOTATIONS
JAMES VICK'S SONS
ROCHESTER, NEW YORK
Mention the Florists' Exchange when writing.

LAST CALL
on Dormant
CANNAS
Bouvier, Henderson, Marquant, Burbank,
$1.00 per 100; $8.00 per 1000.
Vaughan, Egandale, $2.00 per 100.
Michigan Cut Flower Exchange
DETROIT, MICH.
Mention the Florists' Exchange when writing.

SEED BEANS
promise well this season. We probably will have a surplus of all the leading sorts. If you have not booked requirements for next season, think it will pay you to ask for prices. All stocks offered will be highest grade and equal to best, hand-picked samples.
COX SEED COMPANY
Seed Growers for the Wholesele Trade only
San Francisco, Cal.

REED & KELLER
122 West 25th St., New York.
RUSTIC WORK
ALL KINDS
Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.
Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**
NOVELTIES CONSTANTLY ON HAND.

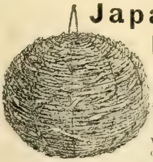
AMELOPSIS VEITCHII XXX
AMPELOPSIS VEITCHII, X .... $8.00 per 100
" " XX .... 10.00 per 100
" " XXX .... 12.00 per 100
These plants are all dormant and in excellent condition.
ROSES A fine lot of H. P., H. T. and Climbing, out of 2½ in. pots. Prices on application. H. T. Roses, 4-in. pots .... $10.00 per 100
THE ELIZABETH NURSERY CO., ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

"CYCAS REVOLUTA"
FRESH STOCK.

From 2 to 6 lbs., 25 lbs. $2.50; per 100 lbs. $8.00.
(Catalogue mailed on request)
Henry F. Michell, 1018 Market St., Phil.,
Seed Growers and Importers.
Mention the Florists' Exchange when writing.

LILIUM HARRISII and LONGIFLORUM
Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.
W. W RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.
Mention the Florists' Exchange when writing.

Japanese Fern Balls



5-inch and 7 to 9-inch Sizes.
Write for prices on quantities.
VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St
Mention the Florists' Exchange when writing.

Established 1802.
Thorburn's Seeds
For over a hundred years have been universally recognized as the standard of excellence.
JUST ARRIVED
Cycas Revoluta Stems
Assorted sizes, running from 3 to 20 pounds each.
10 pounds and over........12c. per lb.
25 " " " ....10c. "
50 " " " ....9c. "
100 " " " ....8c. "
J. M. THORBURN & CO.
36 Cortlandt St. New York
Mention the Florists' Exchange when writing.

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

FRENCH BULB SITUATION.—The conditions created by the growers and dealers of French bulbs are such that the exports of white Roman hyacinths to the United States next August and September are not likely to be more than, say, 25 per cent. of the quantities shipped last season.

The leading large American importers have recently been in conference on the subject. It is from records of sales made by them to the florists, to date, on which the above figures are based.

This condition may, in the long run, have good results. One need not look for the cause of the reduced sales. The fact is, the average price for a good white Roman hyacinth spike was 3c. last season. Even when flowers were scarce, the florist does not get his money back at this figure.

Frenchmen are now asking from 95 to 100 francs per thousand, f. o. b. Ollioles, for 12 to 15 centimeter bulbs. This means a cost, after paying duty, freight, and other expenses, of between $26.00 and $27.00 here, practically the price the florist gets for the flowers, but with no allowance to him for growing.

There are so many things that take the place of the Roman hyacinths, including some of the Dutch bulbs, that the hardship, if such, will not be to our growers, but to the Frenchmen; therefore, we can afford to look with indifference on their suicidal course.

On May 9, C. L. Allen, seedsman, of Floral Park, N. Y., addressed an audience of negroes at Cum City, L. I. He said that the great thrift and industry they had shown, as a result of which they had acquired comfortable homes and a position of trust in the community, was an evidence of the capability of their race. He paid a high tribute to the Cum City men as gardeners and farmers, and said they were on the high road to the fullest success in their calling.

PAMPHLETS RECEIVED.

E. NEUBERT, Wandsbek, near Hamburg, Germany (by August Rhotert, New York). Pamphlet giving a few details regarding lily of the valley production—Multibell and Berolena, early forcing, and Polaris and Hansa, late forcing. Mr. Neubert started in business twenty-two years ago; his present cultures on 200,000 square metres of land exceed more than 20,000,000 pips of his own production, in addition to the crops of many small experienced gardeners in his surroundings.

DREER'S
AQUATIC PLANTS
Hardy and Tender Nymphæas,
Nelumbiums in Variety,
Victorias, Etc.
We are Headquarters for all kinds of Aquatic Plants.
NOW IS THE TIME TO PLANT.
Write us for information if you are uncertain as to what or how to plant.
HENRY A. DREER
PHILADELPHIA, PA.

BOXWOOD FINE BUSHY PLANTS

4 feet	$3 50 each
3½ feet	2 00 "
3 feet	1 50 "
2 feet	1 00 "
1½ feet	50 "

RHODODENDRONS
Bushy, Well Budded Plants.

15 to 18 inches	$5.00 per dozen
18 to 24 inches	7.00 "
Ponticum, 18 inches	3 50 "

Fine for Decoration Day.

10,000 PRIVET 2 year, 18 to 24 in. $15.00 per 1000.

SPECIMEN CONIFERS

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

The pamphlet, which is fully illustrated, gives particulars regarding planting, cultivating, harvesting, storing and shipping the pips. It is stated that very little manuring is done the second and third year, but in the third Winter fertilizing with fish guano has been very successfully applied.

PEAS AND THE PEA WEEVIL. Bulletin 126, Ontario Agricultural College, Toronto, Ont. This bulletin treats upon the subject exhaustively, and recommends various agencies for the destruction of the pest named. The average market value of the threshed peas grown in Ontario during the past twenty years amounted to fully eight million dollars a year. In 1897, no less than 896,735 acres were devoted to the pea crop, this being the largest area under peas in any single year. Since that date, however, there has been a gradual decrease until the year 1902, when only 532,639 acres of peas were grown. This decrease is "undoubtedly due to the great damage done to the crop in southwestern Ontario by the pea weevil."

"It is frequently stated that the grub, when working in the pea, avoids the germ or embryo, and that peas which are bored with the weevil are as valuable for seed as those which are not thus injured. Such statements are wholly incorrect." Examination has demonstrated that the grubs show no inclination to avoid the germ. Moreover, germination tests, carried out on several occasions with injured seeds, have proved conclusively that but a small percentage of these seeds germinate, and a still smaller percentage develop into vigorous plants. Fumigating with carbon bisulphide in specially prepared boxes, barrels and air-tight chambers, or "bughouses" is recommended. A pound or a pound and a half of carbon bisulphide is generally considered sufficient for 100 bushels of peas. Immersing infested seed in boiling water for one minute, then quickly removing the seed, has been tried, but not widely adopted; and for small quantities such as seed peas, the coal-oil treatment is recommended. It is described as follows: The peas are spread on a thin layer, about six inches deep, on the barn floor, and the oil is sprinkled over the seeds through a machine oil can. Then the peas are turned over very thoroughly so that every pea becomes coated with a thin film of oil. In this condition the peas are left for two or three days, when it will be found that the weevils have been killed. One quart of oil is sufficient for twenty bushels of peas.

CATALOGUE RECEIVED.

THE GARDNER NURSERY COMPANY, Osage, Ia. Price List of Surplus Evergreen Seedlings.

BURPEE'S SEEDS
PHILADELPHIA.
Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :
Mention the Florists' Exchange when writing.

BEAULIEU'S
HARDY WHITE ONION
Ounce, 20c.; pound, $2.00. Send for testimonials. On page 85 of Greiner's "New Onion Culture," appears an account of this Onion. Special Offer. Every purchaser of one or more pounds of seed can have a copy of this new book, free. Pansy Seed as usual.
BEAULIEU, Woodhaven, N.Y.
Mention the Florists' Exchange when writing.

Cycas Stems

NEW STOCK
ALL SIZES
Prices: 100 LBS @ 8 / 200 LBS @ 7[illegible] / 500 LBS @ 7[illegible]

VAUGHAN'S SEED STORE,
14 BARCLAY ST., NEW YORK 84-86 RANDOLPH ST. CHICAGO
Mention the Florists' Exchange when writing.

SELECTED STRAINS OF
FLORISTS FLOWER SEEDS
VEGETABLE SEEDS in bulk.
Illustrated Catalogue.
WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.
Mention the Florists' Exchange when writing.

PEACOCK'S DAHLIAS
Send for our illustrated descriptive Trade Catalogue.
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Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER
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Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

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D. S. Lake, Shenandoah, Ia., Vice-President
George C. Seager, Rochester, N. Y., Secretary,
C. L. Yates, Rochester, N. Y., Treasurer.

Irving Rouse, the well-known nurseryman, of Rochester, N. Y., has been appointed by Governor Odell a trustee of the New York Agricultural Experiment Station of Geneva, N. Y.

Ellwanger & Barry, Rochester, N. Y., have shipped three carloads of selected ornamental stock to St. Louis, for planting in the exposition grounds.

It has been suggested that the American Association of Nurserymen carry the case of the recent decision of the Board of General Appraisers relative to evergreen seedlings, to the United States Circuit Court. Under the present ruling, it is said, the American grower of larger evergreen plants from seedlings is less protected than under the 25 per cent. ratings.

Some 20,000 bamboo plants imported from Yokohama, Japan, for the Golden Gate Park, San Francisco, have been admitted free of duty, through a decision of the general appraiser. It was maintained that the plants were exempt from duty under the tariff act because the Golden Gate Park is a public ground; also because the plants were specially imported for the sole use of the park.

LAWRENCE, KAN.—The firm of A. C. Griesa & Brother has been succeeded by A. C. Griesa, who has purchased his brother's interest in the concern.

DES MOINES, IA.—Fire of an unknown origin, on May 7, destroyed the building used as shipping quarters by the Grand View Nursery. Loss, $1,000; no insurance.

Timely Suggestions.

As shrubs flower see that all are true to name. Label any spurious ones that may appear, and remove them in the Fall.

Labels on bought in stock as well as others soon become illegible; see that all are renewed before too late, and that the spelling is accurately rendered.

Stock recently planted and not pushing well should be closely pruned at once. If a few leaves have been made, try not to cut these away.

Finish sowing all seeds, whether of evergreen or deciduous trees. Shade the beds with lath frames, if possible.

Make record of the colors of rhododendrons and azaleas before they go out of flower, for the information of future customers as well as for your own use.

Catalpas and mulberries push very late, enabling grafting to be accomplished even to this date.

As soon as the selling of trees and shrubs has passed, go over the stock and prune into shape such as require it.

Get bills mailed to customers at once, aiming to make collections quickly. Have customers satisfied with you, unless convinced they are dishonest.

As shrubs pass out of flower, give them a pruning, to make them shapely and bring a better price.

Keep a record of the time of flowering of everything you have for sale It is indispensable for cataloguing, and of the utmost service to customers.

Trees too large to transplant safely can be made tractable by root pruning them now. Dig around them, severing all large roots met with. A year later they will be in fine condition.

Shrubs to be layered should have a good deal of their top growth cut away to encourage the lower branches.

In the rush of Spring work the tidiness of the ground and office is often overlooked. Clean up as soon as possible. It attracts custom.

Transplanting Evergreens.

A common question of the day is, Is it too late to transplant trees? When deciduous trees have made leaves it is past the time for best results, but with care, the cutting away of the greater number of leaves, not all, and a thorough soaking, nurserymen have fair success moving them.

With evergreens a great deal depends on the kinds. If pines, and they have made lengthy shoots, it is better not to attempt it. Other kinds are not so hard to move, if not too far in growth; but to have a fair chance of success the soil must be rammed in very hard and a good watering given them. A firm ramming of the soil, until the hole is half filled, then a drenching of water and a filling in of the hole the next day is the program.

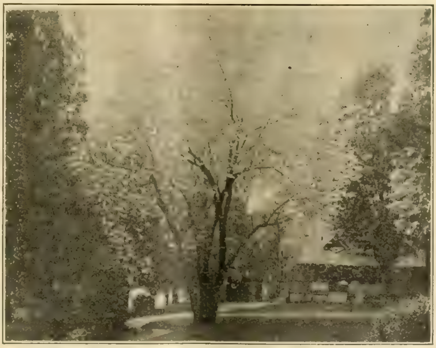
Late plantings are to be tolerated only when unavoidable. The growth of a season is lost by it, and nothing gained beyond having the tree in position. It is better to wait until late Summer and gain the season's growth thereby, and run less risk of losing the tree.

Double-Flowered Paeonia Tenuifolia.

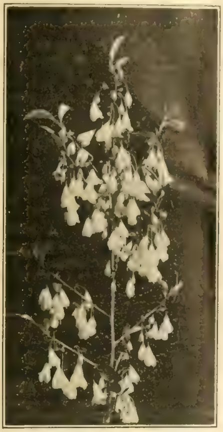
Among the early flowering herbaceous plants of brilliant color, it is doubtful if any leads the double-flowered Paeonia tenuifolia. The flowers are large and of a brilliant crimson, surmounting stems of about a foot in length, which are clothed with leaves of such a slender appearance that its specific name, tenuifolia, is well applied. Add to this, that it is one of the hardiest perennials, the single form being a native of the Crimea. This season it is in flower with us with the lilacs—the first week in May—leading all other sorts in our collection.

The brilliancy of the blooms of this species offers unusual opportunities for massing for display. In collections the plants would be useful as following the gorgeous showing made by tulips. In a single line, a number of plants of this peony is very effective, as, indeed, can be said as well of a single plant.

The increasing of the peony by division of the root may be accomplished in early Fall or quite early Spring. There are many beautiful sorts in cultivation, and when getting together a collection do not overlook the double P. tenuifolia.



HALESIA TETRAPTERA SNOWDROP TREE SILVER BALL



Flowering Branch of Halesia Tetraptera.

Herbaceous Vinca.

The common periwinkle, or vinca, is known to everyone, the many situations falling for a low-growing, evergreen plant bringing it forward for the purpose. Useful as it is, in some respects the herbaceous species Vinca herbacea is its equal. As the latter is herbaceous, there is nothing of it above ground in Winter, but in Summer it clothes the ground fully as prettily as does the common one. In some respects it does better. It makes longer shoots, and these lie prostrate to the ground. The flowers are in profusion early in May, and are of a bluish purple color.

As a close-growing, pretty, hardy Summer vine, florists find it useful for cemetery work.

Sweet Scented Crab Apple.

An uncommon tree in cultivation, as, in fact, it is in its wild state, is the sweet-scented crab, Pyrus coronaria. When it is seen, and it has been uncrowded, it forms a small, bushy tree of beautiful shape. Just now, early May, the specimens seen are loaded with sweet-scented, light pink flowers, Later on little apples appear, which are esteemed in the making of preserves. The delicate perfume of the flowers is perceptible at quite a distance from the bush.

This flowering crab is increased by budding or grafting it on common apple stock.

The Western crab is distinct from this one, and is known under the name of Pyrus ioensis. The lovely Bechtel's double-flowering crab belongs to the Western one. It blooms a week or two later than the Eastern one does.

Magnolias in Pots.

Unless magnolias are set in Spring when dug from the ground, they rarely live. Just why it is that a disturbance of their roots at any other season is resented by them is not known, but dig one and plant it in the Fall of the year, and ill luck attends it. Nurserymen have found it a great disadvantage to them to omit from their planting lists in Autumn the magnolia, and to obviate this many of them are carrying a stock in pots or tubs, to have them for planting at any season. At almost any time in Spring if dug with care, the magnolia may be transplanted, an excellent time being just as buds are breaking. The species M. acuminata is a stubborn customer, and must be pruned almost to bare poles, to approach success in the planting of it.

When in pots or tubs, transplanting can be done at any season, just as a geranium can be set out. There need be no disturbance of roots, as the sides of the boxes can be removed after they have been set in their holes, and is done now with evergreens and other plants in tubs.

The evergreen magnolia, grandiflora, is grown in pots altogether in some establishments, because, being evergreen, it is more difficult to transplant from the open ground than the deciduous ones are. This is the season to pot the magnolia.

JOSEPH MEEHAN.

Halesia Tetraptera, Silver Bell, Snowdrop Tree.

In nurserymen's catalogues one rarely knows whether to look for Halesia tetraptera among trees or in the shrub list. Left to itself, it grows in shrub shape, though attaining the height of a tree in time. Old botanical works say of it: "Shrub or small tree, 10 to 20 feet high"; but here is an illustration of one which is about 40 feet high, and in the old Bartram Botanic Garden, Philadelphia, specimens equaling it in height have been observed. Andrew Whitelaw, who sends us this illustration, says of it: "The picture shows the corner of the Summer cottage of Mrs. J. A. Robinson, at Darien, Conn. As you will see, the house is a low, old-fashioned structure, originally a farmhouse, which has been added to until it is now a good-sized building which does not show in the picture.

"The late Dr. Alonzo Clark bought this property in 1863 and planted and improved it to suit his ideas, so I judge the halesia was planted soon after he acquired the property, which would make the plant about forty years old. It is grown in bush form, has five main trunks (or stems), three of them each having a diameter of a foot; the other two are smaller. The height of the tree is about forty feet, and the extreme diameter, or spread, is about forty-five feet. It is completely covered with its beautiful snowdrop blossoms every year in May, and as the flowers come before the leaves unfold, it makes a charming picture against a background of evergreens. When the flowers fall the lawn underneath is so thickly carpeted with them that they have to be raked up and removed."

It does, indeed, present a charming picture wherever planted. On the grounds of the late Thomas Meehan, Germantown, Philadelphia, there stood a very fine specimen up to two years ago, when it was broken badly in the memorable ice-storm of that date. The photograph of the spray gives a good representation of the general appearance of the branches when in flower.

This species, H. tetraptera, is found wild from Virginia southward, and is common in gardens in the Northern States. It has been so long in cultivation in the North that it is propagated there wholly from seeds gathered from these trees, and this, no doubt, adds to the hardiness of it.

Another species, H. diptera, a native of Carolina and southward, thrives as far north as Philadelphia, but, being less hardy than the other, is never seen at its best in the North. About Philadelphia it blooms two weeks later than H. tetraptera.

As usually described, it is classed as flowering before the leaves, but "with the leaves" is a better term. It is true, but few leaves are expanded, but on the ends of the twigs the leaves are partly developed at flowering time, as a glance at the illustration will disclose.

JOSEPH MEEHAN.

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Geraniums, splendid stock of best bedders, sturdy, cool-grown stock, 3 in., $4.50; 4 in., $7.00 per 100. **Verbenas,** $2.50 per 100.

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Clematis Paniculata, 3 years old, strong field-grown, $6 00 per 100.
Cypress Alternifolius (Umbrella Plant), $2.00 per 100; $18.00 per 1000.
Vinca Variegata, $2.00 per 100; $18.00 per 1000.
Achillea, The Pearl, $2.00 per 100.
Lemon, American Wonder, $2.50 per 100; $20.00 per 1000.
Daisy, 2½ in., white and yellow, $2.00 per 100.
Verbenas, 2½ in., $2.00 per 100; $18.00 per 1000.
Honeysuckle, golden leaved, Halleana and Chinese Evergreen, $2.00 per 100; $18.00 per 1000.
Lantanas, $2.00 per 100.

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10,000 Geraniums, 4 in., such as La Pilot, double red, Mme. Thibaut, double pink; La Favorite, double white; S. A. Nutt, double crimson; from $6.00 to 7.00 per 100.

Ivy Geraniums, 7 cts.

Heliotrope, 4 in., bushy, $5.00 to $6.00 per 100.

Begonias, Vernon, red; Erfordii, pink, from Switzerland; 4 in., $7.00 to $8.00 per 100.

Begonia, Pres. Carnot, and others, 5½ to 6 in., $20.00.

Latanias, 4 in., $6.00 per 100.

Nasturtium, dwarf, bright colors, 4 in., $5.00 per 100.

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Cobæa Scandens, 4 in., $6.00 per 100.

Fuchsias, 4 and 5 in., 7 cts. to 10 cts.

Honeysuckle, 4 to 5 in., 10 cts.; 6 in., 15 cts. to 20 cts.

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25 sold at 100 rate.

The steamer Penland, which left Antwerp April 22d, had on board for me 2500 **Araucaria Excelsa,** the cream of the growers' greenhouses in Belgium. (More follow.) Will sell plants now at import prices, 3, 4 and 5 tiers, 50 cts., 60 cts., 75 cts.

Kentia Belmoreana and **Forsteriana,** 25 to 30 in. high, 5 to 6 leaves, 75 cts. (Rubbers later).

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Please send money with orders. All goods travel at purchaser's risk.

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Fine stock, all transplanted.
(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100; 2d size, not in bloom, good strong plants, $1.00 per 100, by express; 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.
Cash with order.

E. B. JENNINGS, Southport, Conn.
Lock box 254. Grower of the finest Pansies.

Roemer's Superb Prize Pansies

The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower
QUEDLINBURG, GERMANY.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Largest flowering mixture of **Show Varieties**, large transplanted plants, in bloom, $1.0 per 100; $8.00 per 1000. Second size, in bloom 75 cts. per 100; $5.00 per 1000. **Bellis** (Daisies) strong blooming plants in largest double rec and white, $2.00 per 1000. All above 500 at 100 rates.

GUSTAV PITZONKA, Bristol, Pa

Mention the Florists' Exchange when writing

200,000 PANSIES Florists International the finest strain in the United States. Stron plants in bloom, $15.00 per 1000. Smaller trans planted, $10.00 per 1000. Also **Giant Pansies** i bloom; **Forget-me-nots, Sweet William Daisies**, Longfellow and Snowball, in bloom Dianthus plumosus, Dianthus Heddewigii, Gypsophila. All transplanted, strong, $1.25 per 100 Bedding Plants in 20 varieties. Wholesale price list mailed free. Call or write.

LUDVIG MOSBÆK.
85th St., near South Chicago Ave., Chicago, Ill

Mention the Florists' Exchange when writing.

PLANTS WORTH PLANTING

Pansies. Two kinds of white and yellow, in bloom, $1.50 per 100. **Geraniums.** 4 in. pots, in bloom, assorted, $8.00 per 100. **Coleus.** Yellow, red and assorted, 2½ in. pots, $3.00 per 100. **Asters, Verbenas, Heliotrope** and **Caladium Esculentum. Crimson Rambler Roses.** 4 in. pots, $12.00 per 100. Cash with order.

C. S. CHASE, DIGHTON, MASS.

Mention the Florists' Exchange when writing.

PANSIES. From my best strain. Fine plants 50c. per 100; $3.00 per 1000.

DAISIES. (Bellis) in bloom, large, $1.00 per 100.

ALYSSUM, Little Gem, 30c per 100; $2.50 per 1000.

PHLOX, Compacta and Star, 40c. per 100. $3.00 per 1000.

VERBENAS, new mammoth, 40c. per 100; $3.00 per 1000.

FUCHSIAS, five kinds, 2½ in., large, $2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

We offer to the Trade our superb strain of **PANSIES** in bud and bloom, September transplanted, fine large stocky plants, in choice mixed colors. A trial order will convince you they are the finest you ever bought.

$1.25 per 100; $10.00 per 1000.

CASH PLEASE.

500 at 1000 Rate.

POTTER & COUSINS,
West Boylston - - Mass.

IMSON RAMBLERS

ots, well budded, timed to bloom Memorial
9.00 and $12 00 per doz.

DRANGEAS, $6 00, $9 00 and $12.00 per doz.
BRID ROSES, $6.00 per doz.
Cash with order, please.

A. SCHULTHEIS,
P. O. Box 78,
OLLEGE POINT, L. I., N. Y.

---

ose Plants

	Per 100
esmaid, 3-inch pots, .	$3.50
e, 3-inch pots, ...	3.50
y, 3-inch pots	4 50

JAMES E. BEACH,
9 Park Av., Bridgeport, Conn.

W PEDIGREE ROSES.

d for description and colored plate of our ew Climbing Roses. These originated in wn collection by careful cross-fertilization, are unquestionably superior to anything of class.

win Lonsdale, pale lemon-white.
ı. K. Harris, pale flesh color.
ı. F. Dreer, creamy-white, pink edging.
of. C. S. Sargent, rich yellow and
y.
bert Craig, yellow, shaded with apricot.
ın Burton, delicate peach color.

fragrant, very double, undeniably hardy strong growers.

OPES BRO. & THOMAS, Maple Ave. Nurseries,
WEST CHESTER, PA.

ROSES

Grafted

RIDE and BRIDESMAID

Strong, healthy stock, ready now
3 inch
15.00 per 100; $120.00 per 1000

J. REUTER, Westerly, R.I.

tion the Florists' Exchange when writing.

ROSES from 5 in. pots, 15 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2 year dormant or from 5 in. pots, 18 cts., 1 year or from 3 in. pots, 9 cts. **Clematis Paniculata**, from 5 in. pots, 12 cts. Extra, from 6 in. pots, 25 cts. **Ampelopsis Veitchii**, from 3 in., 7 cts.; from 4 in., 12 cts.; from 5 in. pots, 18 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100, $50.00 per 1000. **Kaiserin**, from 2 in. pots, $4.00 per 100; $30 00 per 1000. **Golden Gate**, 2 in. pots, $25.00 per 1000. **Ivory**, $4.00 per 100. **Helen Gould**, $8.00 per 100. **Mrs. Oliver Ames**, $10 00 per 100. **Bridesmaid**, $3.00 per 100. **Liberty**, 2 in. pots, $10.00 per 100. Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

Rose Plants

2¼ in. pots.	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Golden Gate	3.00	25 00
Ivory	4.00	

CARNATIONS From Flats

	Per 100	Per 1000
Mrs. Joost	$2.00	$15 00

GEO. W. WATERFIELD, CHESTNUT HILL PHILA., PA.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Extra Fine Quality.

AMERICAN BEAUTY

2½ in., $6.00 per 100; $50.00 per 1000.
3 in., $7.50 per 100; $65.00 per 1000.

LIBERTY

2½ in., $7.00 per 100; $60.00 per 1000.
3 in., $9.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill.

Mention the Florists' Exchange when writing.

LOOK

Seven Hundred Bridesmaid
AND
Three Hundred Bride Rose
PLANTS

From 3½ in. pots, $4.00 per 100

Cash with order.

J. HORAN & SON
BRIDGEPORT, CONN.

Mention the Florists' Exchange when writing.

HILADELPHIA ROSES

American Beauty, Sunrise, out of 2½ in. pots. Liberty, 3 in.
QUEEN OF EDGELY (Pink American Beauty), out of 2½ in. pots.

e received First Prize for this Rose at the American Rose Society Show in Philadelphia, March, 1903.

YERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

RAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch s, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes

Write us for prices before ordering elsewhere.

ALSO MODEL EXTENSION CARNATION SUPPORT

IGOE BROTHERS, 226 North 9th St., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
Kaiserin	3.50	30.00
Bridesmaid	3 50	30.00

	Per 100	Per 1000
Bride	$3.50	$30 00
Golden Gate	2.50	20.00
Perle	3.50	30.00
Sunrise	7.00	65.00

Meteor, 3½ in. pot plants, $5.00 per 100, $47.50 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE. CHICAGO, ILL.

Mention the Florists' Exchange when writing.

DREER'S ROSES

Selected Two-Year-Old

These Roses are field-grown plants which were potted up during December and January and stored in cold houses during the winter, making the best possible stock for selling to the retail trade.

The prices noted are for strong plants in 5 and 6 inch pots (according to the growth of the variety).

In ordering, state if substitutes may be furnished if certain varieties are sold out.

	Per doz.	Per 100
Abel Carriere	$3 00	$25 00
Alfred Colomb	3 00	25 00
" K. Williams	3 00	25 00
Anna de Diesbach	3 00	25 00
Anne of Gierstein	2 50	20 00
Baroness Rothschild	3 00	25 00
Baron de Bonstettin	3 00	25 00
Beauty of Waltham	3 00	25 00
Boule de Niege	3 00	25 00
Brenda	2 50	20 00
Camille Bernardin	3 00	25 00
Captain Christy	3 00	25 00
Chas. Lefebvre	3 00	25 00
Countess of Oxford	3 00	25 00
Countess of Rosebery	3 00	25 00
Coquette des Blanches	3 00	25 00
Crimson Rambler	3 00	25 00
Dr. Andry	3 00	25 00
Duke of Edinburgh	3 00	25 00
Duke of Teck	3 00	25 00
Duke of Wellington	3 00	25 00
Dupuy Jamain	3 00	25 00
Earl of Dufferin	3 00	25 00
Eclaire	3 00	25 00
Etienne Levet	3 00	25 00
Eugene Furst	3 00	25 00
Evergreen Gem	2 50	20 00
Fisher Holmes	3 00	25 00
Francois Michelon	3 00	25 00
Gardenia	2 50	20 00
Gen. Jacqueminot	3 00	25 00
Gloire de Margottin	3 00	25 00
Grand Mogul	3 00	25 00
Gustav Piganeau	3 00	25 00
Heinrich Schultheis	3 00	25 00
Hellen Keller	3 00	25 00
Hermosa	2 50	20 00
Jean Liabaud	3 00	25 00
Jenny Dickson	3 00	25 00
Jersey Beauty	2 50	20 00
John Hopper	3 00	25 00
Jubilee	3 00	25 00
Jules Margottin	3 00	25 00
La France	3 00	25 00
Louis Van Houtte	3 00	25 00
Magna Charta	3 00	25 00
Maman Cochet	3 00	25 00
Manda's Triumph	2 50	20 00
Marchioness of Lorne	3 00	25 00
" " Downshire	3 00	25 00
" " Dufferin	3 00	25 00
Margaret Dickson	3 00	25 00
Marshall P. Wilder	3 00	25 00
Meg Merrilies	2 50	20 00
Mme. Gabriel Luizet	3 00	25 00
" Victor Verdier	3 00	25 00
Mrs. John Laing	3 00	25 00
Pink Roamer	2 50	20 00
Prairie Queen	2 50	20 00
Pride of Waltham	3 00	25 00
Prince Camille de Rohan	3 00	25 00
Psyche	3 00	25 00

	Per doz.	Per 100
Queen of Edgely	$3 00	$25 00
Queen of Queens	3 00	25 00
Rodocanachi	3 00	25 00
Rosieriste Jacobs	3 00	25 00
Rugosa	2 50	20 00
" Alba	2 50	20 00
Soleil D'Or	3 00	25 00
Soupert Climbing	2 50	20 00
Senator Vaisse	3 00	25 00
Star of Waltham	3 00	25 00
Tom Wood	3 00	25 00
White Rambler	3 00	25 00
" Provence	2 50	20 00
" Maman Cochet	3 00	25 00
Wichuraiana	2 00	15 00
Yellow Rambler	3 00	25 00

Strong 4-inch pot ROSES

These plants have been treated similar to the selected two-year-old stock and are in first-class condition.

	Per doz.	Per 100
Clothilde Soupert	$1 50	$12 00
Maman Cochet	2 00	15 00
Mlle. Elie Lambert	2 00	15 00

	Per doz.	Per 100
Mme. Joseph Schwartz	$2 00	$15 00
" Francisca Kruger	2 00	15 00
White Maman Cochet	2 00	15 00

HENRY A. DREER, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

HERE IS YOUR CHANCE

GERANIUMS.

Large stock plants from beds, S. A. Nutt, Jean Viaud, Vera Vend, $5.00.

6 in. Frances Perkins, Red Bruant, E. G. Hill, La Pilot, Neener's Pink, Beaute Poitevine, John Doyle, A. Ricard, La Favorite, Mme. Jaulin, $6.00.

4 and 5 in. Mrs. Parker, Wm. Languth, Mountain of Snow, Dryden, $6.00.

2¼ in. Freak of Nature, Red Bruant, A. Riccard, Beaute Poitevine, Double Grant, John Doyle, La Favorite, Double New Life, Frances Perkins, Eliza, Neener's Pink, Grand Chancellor, S. A. Nutt, Peter Crozy, Dryden, E. G. Hill, Mme. Salleroi, Ivy and Bronze, all very fine. $2.00 our selection; $2.50 your selection. Mme Pollock, Mrs. Parker, $5.00. 3 in. Double New Life, $5.00.

FUCHSIAS, double, fine varieties, 5 in. and 6 in., $12.00. 2¼ in. best doubles and singles, $2.00. R. C., assorted, $1.00. Little Beauty, 3 in., $4.00.

BEGONIA REX, large stock plants, named, 5 and 6 in., $15.00.

CARNATIONS, R. C., from soil, Elm City, Joost, strong and clean, $1.50.

COLEUS (Verschaffeltii and yellow), 2¼ in. $2.00.

AGERATUM (Stella Gurney and white), 2 in., $2.

GERMAN IVY, 2¼ in. $2.00. R. C., $1.00.

SMILAX, 2 in., $2.00.

VINCA VAR., R. C., $1.00.

ABUTILON SAVITZI, 2¼ in., $2.00. 3 in., $4.00.

CUPHEA AND DOUBLE SWEET AL SUM, 2¼ in., $1.50. 3 in. $3.00.

ASPARAGUS SPRENGERI, 3 in., $4.00.

CYPERUS, 2¼ in., $1.50. 3 in., $3.00.

PTERIS and **ASPIDIUM**, very fine, 2¼ in.,

DRACÆNA seedlings, $2.00.

MME. SALLEROI, DOUBLE SWEET YSSUM, R. C., $1.00.

ABUTILON SAVITZI, R. C. $1.50.

COLEUS (Mixed), R. C., 40 cts.

Prices by the Hundred.

GREENE & UNDERHILL, Watertown, N. Y.

Terms, Cash or C. O.

Mention the Florists' Exchange when writing.

CASH BARGAINS

To Reduce Surplus Stock.

JAPAN FERN BALLS In Fine Condition.

5-7 inch, per doz., $1.35; per 100, $9.00. 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $30.00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $24.00.
The two (2) Cases containing 540 Fern Balls for $45.00.

Cycas Revoluta Stems From 1 to 6 lbs., about 250 lbs to the case, per 100 lbs., $6.50; by the case, per 100 lbs., $6.00.

AS THE QUANTITY IS LIMITED I ADVISE IMMEDIATE ORDERS.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ⅜ to ½ inch diameter .... per 1000, $6.00; per 2000, $11.50; per 6000, $33.00
3 " ¼ to ⅜ " " .... " " 3.50; " " 6.50; " " 18.00
3 " ¼ " " .... " " 3.25; " " 6.00; " " 17.00

CASH WITH ORDER, PLEASE.

FOSTITE for **Mildew** on **Roses** and **Carnation Rust**, per 25 pounds, $2.50.

AZALEA INDICA and **HOLLAND FORCING BULBS**, Hyacinths, Tulips, Narcissus, etc., of **Select Quality at Right Prices.**

SEND ME AN ESTIMATE OF YOUR WANTS.

C. H. JOOSTEN, Importer, 201 West St., New York.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bonnaffon, Ivory, Polly Rose, Pacific, Eaton, Appleton and others, 2 in., fine stock, $1.75 per 100; $15.00 per 1000.

3000 **GERANIUMS**, 4 in., best sorts, $6.00 per 100. Extra fine.

ALFRED H. WALKER, Hollis, L. I., N. Y.
Queens P. O.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Mme. Marie Liger, 2¼ in. pots, $2.50 per doz.; R.C., $15.00 per 100. Florence Molyneus, 2¼ in. pots, $2.50 per doz. Mrs. H. V. Casey, 2¼ in., $5.00 per doz. Harry A. Parr, r. c., $1.25 per 100.

Aloe Variegata, 3 years old, $15.00 per 100.

German Ivy, 2 years old, $3.00 per 100.

Will Exchange for **Roses** in 2¼ in. pots.

G. A. LOTZE, JR., Glenburnie, A.A.Co., Md.

Mention the Florists' Exchange when writing.

INCREASE YOUR SALES by Handling Our

SUPERB PANSIES

First Class Stock Only. $1.50 per 100. $14.00 per 1000.

BLAUVELT BROS., Florists, Coeymans, N. Y.

YOUNG ROSE PLANTS

BRIDE and BRIDESMAID On Own Roots

From 2¼, 3 and 4-in. pots, at $25.00, $35.00 and $45.00 a 1000.

NEWTONVILLE AVE. GREENHOUSES,
JOHN PRITCHARD, Superintendent **NEWTONVILLE, Mass.**

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking Chrysanthemums, Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York City

Branch Store, 404 East 34th Street, New York.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION: How To Grow It

By C. W. WARD

READY FOR DELIVERY

Price $3.50, Carriage Paid

Sample pages, giving synopsis of contents, mailed on application

CHANGES IN BUSINESS.

FINDLAY, O.—Barnd & Karg have opened a flower store here.

BATAVIA, ILL.—C. O. Williams will re-embark in the florist business, and is building a greenhouse.

BIRMINGHAM, ALA.—Colmant's nurseries, formerly situated at Elyton, Ala., are now located here. J. J. Colmant is the proprietor.

LIMA, O.—Frank Lewis, a former railroad engineer, whose home is at Delphos, has purchased the business of Mrs. Ella Rogers, the florist on west Market street.

NORTH ABINGTON, MASS.—William Tribou and C. F. Merrill, Jr., have formed a copartnership, and will conduct a greenhouse business at Harwood's corner.

CHATHAM, N. Y.—The Chatham Floral Company has been incorporated with a capital of $50,000. Incorporators: R. E. Shuphelt, P. A. Shuphelt, and B. S. Tank.

WILMINGTON, DEL.—The Cheston Floral Company has been chartered to engage in the culture and sale of flowers, plants and shrubbery of all kinds, with a capital stock of $20,000.

TWO NEW MYOSOTIS

Nixenauge and Graf von Wandersee

(in bloom) 2½ in., $1.00 per 100.

A. LOTZE. Sr., Glenburnie, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Weeks, Mayflower, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Goldmine, Golden Wedding Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100.

Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

BOSTON FERNS, 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each; 9 in., $1.50 each. Cash or C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

ROSES

1500 American Beauty plants, in 2¼ in. pots, fine strong stock and perfectly healthy, $5.00 per 100; $45.00 per 1000.

HOFFMEISTER FLORAL CO., Cincinnati, O.
813 Elm Street.

Mention the Florists' Exchange when writing.

TOMATO PLANTS FOR SALE

Or will Exchange for CARNATIONS from soil.

Earliana, 2 in .... $2.00 per 100
Dwarf Champion and Stone, from flats 1.50 "
Stocks, "Cut and Come Again," 2 in. 3.00 "
Salvia Splendens, seedlings .... .50 "
Aster, Queen of the Market........ .50 "
Verbenas, mixed colors .... .50 "

Port-Au-Peck Greenhouses, Branchport, N. J.
H. HULICK, Mgr.

Mention the Florists' Exchange when writing.

AMERICAN GROWN

BULBS

Narcissus, Daffodils, Etc.

SEND FOR LIST AND PRICES.

POAT BROS. ETTRICK, VA.

Mention the Florists' Exchange when writing.

Boston.

Massachussetts Horticultural Society.

At the regular May exhibitio the society at Horticultural Hall Saturday quite an interesting shov flowers, plants and vegetables made.

Jas. Stuart, gardener to Mr. Geo Fabyan, made the most attractive play of plants, staging eight calce rias, which conservative garde branded as the finest plants ever hibited at the hall. Two imm plants of superior cultivation awarded the two prizes for speci plants, while a first premium was g for the collection of six. Prizes also awarded for Indian azaleas pelargoniums, Mrs. A. W. Blake ceiving the honors in the former c for a collection of six plants an specimen plant. Mr. E. J. Mitton (Lawson, gardener) won for pelarg ums. Mr. J. E. Rothwell (Emil hannson, gardener) made a very in esting and attractive display of orc in twenty-six varieties, for one which, a seedling, Lælio-cattleya cinnabarina × C. Percivaliana), he ceived a certificate of merit. Jas Little made a very fine exhibit amaryllis and streptocarpus, and A. W. Blake's display of clerodend was very attractive.

In the cut flower room prizes offered for tulips and pansies, brought out some very good exhit William Whitman winning in the mer class and J. B. Shurteff, Jr., Mrs. E. M. Gill receiving first and ond respectively for the latter. E. Coburn also showed a fine lot pansies and hardy primroses, and Chas Pfaff had a collection of cut g niums and pelargoniums, among latter being two seedlings, "Mrs. C Pfaff" and "Col. Chas. Pfaff." E. M. Gill staged a collection of seas able flowers, and Edward S. Cob brought in a good collection of na plants.

An auction sale of palms abando to the Government by the impo was held by the Collector of the May 14, 1903. The plants included K tias Forsteriana and Belmoreana, Latania borbonica.

F. J.

Norwalk, Conn.

The Summer-like weather of the p week has brought out the flowers great profusion, and the supply greater than the demand. Fune work keeps business fairly brisk.

Carnation growers in this district anxiously looking for rain to ena them to go ahead with their field pla ing. The soil is dust-dry for a cons erable depth and outside work is a standstill.

E. R. Sherwood is cutting some v fine flowers of Mrs. Joost and Floria He reports that since shading south sides of his carnation houses flowers have greatly increased in si

H. M. Woundy, of New Canaan, w in town Tuesday with a double de load of vegetable and bedding plant

Harry Raynor has left the employ R. G. Hanford and has gone to vi his parents in Tarrytown. P

Austin, Minn.

A. N. Kinsman & Co. had about 3, square feet of glass broken by hail the evening of the 10th inst. They we insured in the Florists' Hail Associ tion.

Canadian News

rowth of the Dale Estate.

a recent number of the Canadian st appears an account of the Dale te of Brampton, Ont. The folg figures show the wonderful dement of this plant in less than a de:

	Area of Glass in Roof, not counting Sides or Ends.
....	65,000 square feet
....	90,000 square feet
....	100,000 square feet
....	114,000 square feet
....	150,000 square feet
....	220,000 square feet
....	310,000 square feet
....	422,000 square feet

Hamilton.

d Minto, Governor-General of da, will visit this city on Thursday Friday. Floral decorations are ise; it is said that Lady Minto is at admirer of flowers. At the tertion of their visit the party will be ucted through the "Garden of Can- as far as Grimsby. That part of ountry is a great show at present its millions of fruit trees in full om. E. G. Brown is supplying the rs for the decorations at the ilton Club.

Kilvington is doing considerable ing out—rather early in the season, he weather now appears settled.

bster Bros. are very busy. Their ing department presents a scene nsiderable activity at this season. wn's are finding a heavy and ly demand for cut stock. They been dropping out of bedding s for several years and will, they discontinue this branch altogether year. The filling of baskets and ow boxes has also been dropped more remunerative lines. Their are still giving good crops.

e tree pruning, under the supern of the Parks Board, was brought sudden stop by the issuing of some ictions by the citizens. It was ght that tree butchering methods d under the management of the d be done away with, but from the point of view of certain citizens it is "out of the frying pan into the fire."

George N. Sones, florist, corner Grant and Niagara streets, died on the 11th inst. He had been located in Hamilton a number of years and had built up a very nice business. He leaves five sons and two daughters. The business will likely be continued. BEAVER.

Montreal.

General News.

No rain has fallen in this section since April 7 and the probabilities are that the weather will continue fine and warm for some days yet. This is indeed very serious for farmers, who all report grain hardly sprouted and the grass burning up in places. All classes of cultivators are suffering to a certain extent and it is to be hoped that the drouth will soon be broken.

The tulip display is not nearly as good as last year, owing to the drouth. Pansies, as well as all herbaceous plants, are growing but very little.

T. J. Gormon will build a new house for chrysanthemums this season. He reports the sale of roses as being brisk; carnations also are eagerly sought after.

L. H. Goulet is now settled in his new store, which is the handsomest in the east end. The interior is painted white enamel, with touches of gold. The store is lighted with Auer lights in clusters. W. C. H.

TORONTO.—Business continues good. The visit of the Governor-General is making things quite lively, and most of the retailers are doing a fine trade. Roses, carnations and tulips are still good and plentiful; also lily of the valley and mignonette. The plant trade is beginning to get quite active and St. Lawrence market on Saturdays is quite a busy place. In all other businesses the prices of produce are higher this Spring, but the plantsmen are already offering some of their stock as low as ever. Boxes of apparently good annuals, twelve in a box, are being sold at retail for 7c. per box; I don't know what the grower gets over the fun of growing the stock.

The last meeting of the Horticultural Society was a very good one and largely attended. Wm. Hunt, from Guelph, gave an interesting lecture on roses and their treatment. THOS. MANTON.

New York.

of the Week.

S. C. Nash, of Clifton, N. J., will te to roses three 100-foot houses h were in carnations last year.

ks & Crawbuck, the Brooklyn esale florists, who have been coning a branch store at 45 West 29th t, New York, will devote all their gies to the Brooklyn store during Summer months, and have closed New York store.

Fleischman, the Broadway florist, been doing jury duty under Cor- Scholer on the "barrel murder" Mr. Fleischman has been sufg from a severe attack of indiges- and couldn't attend to his duties. coroner thought Mr. Fleischman's ices too valuable to be dispensed and decreed that the testimony ld be read to him.

C. Steinhoff arrived home from nuda last Saturday.

the present demand for softwooddding plants, at the auction room m. Elliott & Sons, is indicative of season's business, we may feel as- that the trade in this class of ts is going to be good. At the sale Tuesday cannas in flats and gerais also sold at good figures, and supply offered, which was large, quickly snapped up by anxious rs. Heliotrope, rose geraniums, n verbena and coleus were also in demand, and it required but little t on the auctioneer's part to dis- of the stock.

L. Miller, Jamaica avenue, Brook- has had an unusual heavy ded for Spring bedding plants. Pan- are always grown by the thousands hese premises, and this season two omers alone took 100,000, one taking 0 and the other 40,000. The outdoor len, which, by the way, is a great ure at this place, promises a wealth lowers from now on to Memorial . Iris and peonies are already flowg profusely, and the Japanese snowballs, of which there is a good collection of standard-grown trees, are budded to their utmost capacity and promise to be just about right for the thirtieth of the month.

At Mr. Miller's Jamaica establishment the greenhouses are devoted to bedding stock, geraniums principally. Herbaceous plants are also being cultivated to a considerable extent; some five acres have already been planted.

We are informed that American Gardening, the publication of which has been suspended for several weeks, will be resumed in the near future.

J. Austin Shaw will take up his residence for the Summer shortly at City Island, N. Y.

An adjourned meeting of the stockholders of the Cut Flower Exchange will be held on Saturday, June 6, at 9 a.m., in the offices of the company, corner Twenty-sixth street and Sixth avenue.

A meeting of the creditors of A. V. D. Snyder, Ridgewood, N. J., was held on Friday, May 15. Mr. Snyder has had financial difficulties, and we understand that a certain percentage will be paid on the dollar, after which the business will be resumed, though under a different firm name.

Florists' Club.

The club met on Monday evening, May 11, President Troy in the chair. The various committees appointed presented resolutions on the death of Messrs. Donaghue and Withers. F. H. Traendly, of the outing committee, reported progress on this interesting event, and stated that $300 more or less has been donated by various friends of the club, which amount would be divided up as prizes for the respective games to be indulged in on the day of the outing. A grand, good time is anticipated, and every member desiring to participate should at once apply for a ticket, or tickets, to either Mr. Traendly or Mr. Elliott. A very interesting souvenir program is being gotten up, and will soon be in the printer's hands. There is yet time for those wishing it to take advertising space in this pamphlet.

An appropriation of $25.00 was made to the house committee to supply refreshments at the meetings so long as the money lasted.

A discussion ensued as to the route to be traveled to the Milwaukee convention. Secretary Stewart, of the S. A. F., announced that the Western Passenger Association, covering points beyond Chicago, had granted a rate of fare and one-third on the certificate plan, and he expected to hear from the other traffic associations every day. Several of the members expressed a preference to travel by water, either from Buffalo or Grand Haven, but it having been pointed out that none of the lake companies would act with the railroad companies in the granting of a cheap rate, it was finally moved that the sense of the meeting be that the delegates travel by rail going by way of Chicago. This latter action was taken so as to afford those wishing it the opportunity of visiting some of the large plant-growing establishments in the vicinity of Chicago; and it may be that arrangements can be effected to permit of a stop-over at that city on the return journey, although this is not assured.

On motion of Mr. O'Mara, Theodore Lang was appointed captain to organize a bowling team to represent the club in the Milwaukee contest.

It was announced that the medals won at the late flower show in Madison Square Garden would be distributed this week.

There is a probability that the club will take a Summer vacation during the months of July and August.

San Francisco.

News Notes.

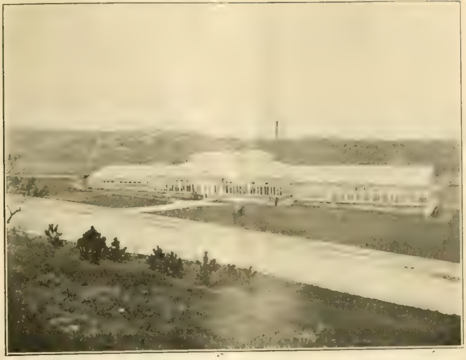
Thomas C. Holmes has become associated with Matraia & Bertrand, seedsmen and florists. Mr. Holmes has been in the trade the past seven years —five with a firm in Devon, England, and the last two years in Seattle with Lilly-Bogardus Co. and Woodland Park Floral Co., respectively.

Chas. Navalet & Bros., of San Jose, have now a branch store in Sacramento.

Within the current week, Elwood Cooper, of Santa Barbara, recently appointed State Horticultural Commissioner, visited the State capitol and took the oath of office, and announced his selection of Alexander Craw as assistant commissioner, with headquarters at San Francisco.

Thomas H. Stevenson, Powell street, the first week in May opened another store in the Palace Hotel. The same store was abandoned a few weeks ago by Sievers & Boland.

The Japanese nursery in Oakland, Cal., conducted by the Domoto Brothers., have bought 40 adjoining acres of land and purpose utilizing sixty thousand square feet of glass in the construction of new rose houses. ALVIN.



DISPLAY GREENHOUSE, EDEN PARK, CINCINNATI, O.

Greenhouse in Eden Park, Cincinnati

The new greenhouse at Eden Park, Cincinnati, O., an illustration of which is presented herewith, is constructed on the latest lines of cement foundations, pipe framework, cypress bars laid with Critchell Improved Rubber Strip for glazing, and the sides and ends are French single strength and plate glass. It makes a very splendid showing from the main driveway through the park. The house is lighted by electricity and will be kept open two or three nights of the week to the public. It is heated by steam, and connects with seven growing-houses 90 feet long and from 15 to 20 feet wide. The small houses are used for raising the plants for the park proper. The large house is divided into three sections—one for ferns and fancy stock; the center for large palms and show plants; the south end for the cooler house for azaleas, chrysanthemums and the general class of large plants that have to be housed in Winter. The house is 200x40 feet; the center house, 26 feet high; the wings 14 and 18 feet, respectively. G.

Saddle River, N. J.

John G. Esler was recently elected President of the Orvil Building and Loan Association for the fifteenth consecutive term, he having been the presiding officer since the inception of the association. Andrew Esler, of the firm of J. G. & A. Esler, was re-elected treasurer.

BUFFALO, N. Y.—Another large greenhouse is being added to the W. J. Palmer plant.

COLEUS, by the 100 or 1000.
ROSES, 1 year for potting on or planting out.
BASKET PLANTS, $2.50 per 100, $24.00 per 1000.
WEBSTER BROS., Plantsmen
HAMILTON, CANADA
Mention the Florists' Exchange when writing.

Chrysanthemums
10,000 READY NOW

40 leading varieties, rooted cuttings, $15.00 per 1000. Our selection, $12.00 per 1000.

From 2 in. pots, $3.00 per 100; $25.00 per 1000. Our selection, $20.00 per 1000.

J. GAMMAGE & SONS
LONDON, ONT.
Mention the Florists' Exchange when writing.

XXX STOCK

ROSE GERANIUMS. Very strong 3s, $4 00 per 100.
AGERATUM. Pauline and Gurney; strong bushy, 3-inch, in bud, $3.50 per 100.
LOBELIA. Emperor William; best dwarf, dark blue; strong and fine, 2-inch, $2.00 per 100.
CANNAS. Finest varieties grown, very stout, 4 in., assorted, $1.00 per doz.
GIANT PANSIES, in bloom, **GIANT DAISIES,** in bloom, and new Ever-blooming **FORGET-ME-NOT Constance,** all transplanted, cold-frame grown, $1.50 per 100.
ALYSSUM, Pumilum Compactum. The most dwarf and compact variety grown, perfect balls of white, 2 in., $2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50 cts.
PANSY FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.
CINERARIA. Finest large flowering dwarf mixed, 1000 seeds, 50 cts.
PRIMULA OBCONICA Grandiflora. Finest large flowering, 1000 seeds, 50 cts.

Cash. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted.
$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

BARGAIN OFFER
By the Pennsylvania Railroad

For the following Tender Stock

		Per 1000
8,000	**Geraniums** in variety	$45.00
7,000	**Alternantheras** in variety	20 00
3,500	**Variegated Stevia**	15 00
6,500	**Coleus** in variety	20 00
1,000	**Cineraria Maritima**	20.00
900	**Acyranthus**	25 00
400	**Geranium,** mixed colors . per 100	2 00

Above stock can be seen at the greenhouses of the Pennsylvania R. R. at Newark, Del. Stock in the best of condition. Send orders to

E. F. BROOKS
Gen. Supt., P. R. R. Wilmington, Del.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
10 var., Standard, 3½ in. pots	$4.00
10 varieties, 2½ in. pots	3.00
Asparagus Sprengeri, 2 in. pots	2.00
Asparagus Plumosus, ready in June	3.00
" " Seed $7.00 per 1000.	
Centaurea Gymnocarpa	2.00
Smilax	1.50

COLEUS

	Per 100
16 var., Standard, 2 in. pots	$2.00
Alternanthera, Red and Yellow	2.00
Seedling Petunias	3.00
Primroses, ready July 1st	2.00
Vinca Var., 2 in. pots	2.50
8 Var. Cannas, 4 in. pots, May 1st	5.00

Cash Please

JOS. H. CUNNINGHAM, Delaware, Ohio

GERANIUMS

We are offering good, sturdy plants of the following standard Geraniums, from 2¼ in. pots, $3.00 per 100; $25.00 per 1000.

JEAN VIAUD
Mme. LANDRY
LA FAVORITE
Mme. BARNEY
HUBERT CHARRON
Mrs. E. G. HILL
S. A. NUTT
AMERICA
MARS
QUEEN CHARLOTTE

Mme. SALLEROI, 2¼ in. pots, $2.50 per 100.

ARUNDO DONAX VARIEGATA. Strong started crowns, ready for 5 in. pots' $10.00 per 100.

25,000 CANNAS. Started, ready for potting; standard varieties, $1.50 per 100. List of varieties on application.

For other Seasonable Stock, see Florists' Exchange, page 476, issue of April 25.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

COLEUS, GERANIUMS, FUCHSIAS, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

Standard sorts, double and single
$2.00 per 100.

	Per 100
Alyssum, Giant and Dwarf Double	$2 00
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Ageratum, Stella Gurney and Dwf. White	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Hardy Phlox, in var., 2¼ in. pot	3 00
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Single and Double Fringed	2 50
" Double named	3 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot, Bonfire and Splendens	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.
$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.
Strong plants, from 3 in. pots, standard sorts, 60c. per doz; **$4.00** per 100; **$35.50** per 1000.
Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**
DAHLIA ROOTS, large field clumps. Our selection, **$4.00 per 100.**
FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**
CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.
HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
VINCA Variegata	3 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
CALADIUM Esculentum Bulbs, first size, 6 to 9 in	2 00
Second size, 4 to 6 in	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.
Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Orchids. Florists' Orchids.

CATTLEYAS DENDROBIUMS
CYPRIPEDIUMS.
Large Importations Just Arrived.

SANDER & SONS, St. Albans, England.
Agent, A. DIMMOCK, 136 Liberty Street, New York City.

Mention the Florists' Exchange when writing.

Geraniums

From 4-inch pots, John Doyle, Mme. Burney, Double Gen. Grant, Mme. Jaulin, Ricard, $5.00 per 100
AGERATUM, Stella Gurney and Dwarf Blue, from 3-in pots, fine, $3.00 per 100. Cash.

R. PABST, Rutledge, Del. Co., Pa.

Mention the Florists' Exchange when writing.

BEDDING PLANTS.

Geraniums, from 3 and 4 in. pots, all double, in bud and bloom, $5.00 per 100; **Salvia,** Silver Spot and Splendens, from 2½ in pots, strong, $3.00 per 100; Transplanted Seedlings from bench, $2.00 per 100; Double and Single Fringed **Petunias,** in bud and bloom, 3 in. pots, $4.00 per 100. Double Sweet Alyssum, 2½ in. pots, $2.00 Per 100. Cash with order. The above plants are healthy and satisfaction guaranteed.

C. LAWRITZEN, Rhinebeck, N Y

Mention the Florists' Exchange when writing.

SPECIAL SALE

		100
Geraniums	4 in.	$6.00
"	3 "	4.00
Pelargoniums	4 "	7.00
Dracæna Indivisa	4 "	8.00
A few 6 and 7-in. pots, 40 cts. each.		
Verbenas	3 "	3.00
"	2¼ "	1.75
Petunias, from Dreer's superb double seed	4 "	5.00
Ageratum, Coleus	2¼ "	2.00
Cannas	4 "	6.00
"	3 "	4.00
Vincas	4 "	10.00
Heliotrope	3 "	3.00
Dwarf Forget-Me-Nots		1.00

J. S. BLOOM, RIEGELSVILLE, PA.

Mention the Florists' Exchange when writing.

GENISTA.

2½ in., per doz. 75 cts.; per 100, **$5.00.**

	Per doz.	Per 100
Abutilon Savitzii, 2½ in	$0.75	$5.00
Pansy Pelargonium, 2½ in	.75	5.00
Allamanda Williamsii, 2½ in	.75	5.00
Cannas. New and Standard kinds. Send for list.		

	Per doz.	Per 100
Clerodendron Fragrans, 2½ in	.75	5 00
Araucaria Excelsa, 2 to 3 tiers	5.25	
Araucaria Excelsa, 3 to 4 tiers	7.50	
Asparagus Sprengeri, 2½ in		4.00
Carex Japonica, 2½ in	.80	6.00
Geraniums (send for list)		2.50

THE CONARD & JONES CO.,
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
ASTERS, Semples, in 5 varieties, 2½ in. pots,	$1.50
AGERATUMS, in 3 varieties, 3½ in. pots.	2.50
CENTAUREA gymnocarpa, 2½ in. pots	2.00
COLEUS, in variety, 2½ in. pots	2.00
FUCHSIAS, in variety, 2½ in. pots	2.00
" " in bud and bloom, 4 in. pots	6.00
ERANIUMS, in variety, in bud and bloom, 4 in. pots	5.00
HELIOTROPES, in variety, 2½ in. pots	2.00
" " 3½ in. pots	4.00
GERANIUMS, Happy Thought, 2½ in. pots	3.00
ROSE GERANIUMS, 4 in. pots	5.00
SALVIA SPLENDENS, 4 in. pots	4.00
VINCA VARIEGATA, 4 in. pots	8 00

At these prices the selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

A No. 1 STOCK

TO MAKE ROOM QUICK

GERANIUMS, Double Gen. Grant, S. A. Nutt, Poitevine, Buckner and Perkins, elegant bushy plants in bud and bloom, strong, 3½-4 in., $5.00; strong 3 in., $3 50, strong 2½ in., $2.00 per 100.

CANNAS, mixed, extra strong 4 in., $4.00 per 100.

SALVIA, Splendens and Bonfire; **PETUNIA,** Giant singles; **VERBENAS,** Mammoth mixed, and **SWEET ALYSSUM,** compacta, strong, bushy, 3 in., mostly in bloom, $3.00 per 100; $25.00 per 1000.

AGERATUM, blue, strong 2½ in. in bloom, $1.50 per 100.

LOBELIA, blue, dwarf and trailing; **GERMAN IVY; COLEUS,** Golden Bedder, Verschaffeltii and fancy mixed, strong 2½ in., $1.75 per 100; $17.50 per 1000. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

20,000 KENTIA BELMOREA
SEEDLINGS, from the bench,
$25.00 per 100

PANKOK & SCHUMACHER,
Eleventh Ave., WHITESTONE, L. I.,

2000 STRONG

Adiantum Cuneatu

From 6 in. pots at a bargain.

DE PEW BROS., Piermont and De Pew
NYACK, N. Y.

Mention the Florists' Exchange when wr

PLUMOSUS NAN

Good strong stock, just right for planting
in., $8.00 per 100; 3½ in., $9.00 per 100; 4 in.,
per 100.

100 Asparagus Plumosus Comore
3 in., $7.00. Cash with order.

Cypripedium Insigne, a rare chance. 10
pans, strong, healthy plants. Write for price

Address **JOSEPH TOWELL, Paterson,**

Mention the Florists' Exchange when wr

KENTIA

2½ in., $8.00 per 100; $65.00 per 1000.

Ferns, 3 in., for fern dishes, $6.00 per 10
paragus Plumosus, out of flats, $20.00 pe

Samuel S. Pennoc
1612 Ludlow St., Philadelphia, P

Mention the Florists' Exchange when wr

FERNS and PLAN

I have just now some very nice **Ferns** i
shape, nice bushy stock, and a good varie
in., $3.00 per 100, $25.00 per 1000.

Salvia. 2¼ in., $2.00 per 100.

Dracæna Indivisa, strong plants, 6 in
and 50c. each.

German Ivy, 2¼ in., $2.00 per 100; 4 in.,
and bushy, $6.00 per 100.

H. WESTON, Hempstead,

Mention the Florists' Exchange when w

ORCHID

Just arrived in fine condition, **Vanda Cœ**
(The Blue Orchid), Dendrobium formosum
teum, D. Wardianum giganteum. Write for

Cattleya Flowers. We offer five fre
Cattleya flowers, $50.00 per 100.

For freshly imported East Indian Orchi
special advertisement in this issue.

LAGER & HURRELL, Summit,
Orchid Growers and Importers.

Mention the Florists' Exchange when w

ROBT. CRAIG & SON

Roses, Palms, Croto

...CARNATIONS...
and Novelties in Decorative Plant
Market and 49th Sts., Philadelphia,

Mention the Florists' Exchange when w

KENTIA SEE

Belmoreana, Forsteriana

Fresh Seed. Direct Importa

$3.50 per 1000, $30.00 per 10,00

Jackson & Perkins
NEWARK, NEW YORK.

Mention the Florists' Exchange when w

Palms, Ferns, Araucar

Ferns, 4 in. assorted, $1.75 per doz.; $12.
100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices
pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.
doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.
pots, $40.00 per 100; $5.00 per doz.; from 8-in
and larger, $2.50 each and upward, according

Kentia Forsteriana and Belmoreana,
2½-in. pots, $7.00 per 100; 3-in. pots, $12.00;
pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.
doz.; from 7-in. pots and upward, at $1.75 to
each.

Areca Lutescens, 4-in. pots, $20.00 per 100
pots, $40.00 per 100: $6.00 per doz.. Fine s
larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward.
plants.

Araucaria Compacta, from $1.00 up
Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 p
5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in.
$9.00 per doz. Larger plants from $1.00 upw

Phœnix Canariensis, fine specimens,
$2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City

HAERENS BROS., SOMERGEM, BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **FORCING PLANTS.** We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Hærensiana), a soft pink, and we make the special offer of 100 nice 12-14 inch plants for $25.00 at our nursery. **Send your orders** for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application.

AUGUST RÖLKER & SONS, P. O. Box 752, **31 Barclay St., New York**

Mention the Florists' Exchange when writing.

ERNS OUR SPECIALTY

We have a fine lot of **Jardiniere Ferns** in 5 of the best varieties, which we can offer you t the following low prices:

	Per 100	Per 1000
rom 2¼ in. pots	$3.00	$25.00
" 3 "	6.00	50.00
" 4 "	10.00	90.00

250 at 1000 rate.

Adiantum Cuneatum, well-grown stock, very bushy:

	Per 100	Per 1000
¼ in. pots	$3.50	$30.00
"	11.00	100.00
"	20.00	

Adiantum Gracillimum, 2¼ in. pots, $2.50 per 100.

Fern Spores, gathered from our own stock, 30c. per trade pkt., 10 pkts. for $2 50.

Telephone Call 29-1
Anderson & Christensen,
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

FERNS.

Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

BOUGAINVILLEA, 4 and 5 in., $2.50 per doz.

BEGONIA METALLICA, 3 in., $3.00 per 100.

ABUTILON, Eclipse and Splendens, 3 in., $3.00 per 100.

ANTHERICUM, variegated, 3 in., $3.00 per 100

LOBELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

CHRYSANTHEMUMS, Appleton, Eaton, White, Bonnaffon, Ivory, and other best commercial varieties. Our selection of varieties, your selection of colors, from 2½ in. $2.25 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Nephrolepis "Anna Foster"

Is rapidly growing in popularity among those careful growers who have been watching its progress during the past few months. Large specimens are exceedingly graceful.—American Florist, April 4.

Beautiful plants, 3-inch, $20.00 per hundred, now ready.

Boston Ferns. Orders booked only for large and small plants. Book early.

Kentias, very fine, $50.00, $75.00, $100.00 per 100.

Red Ribbed Rubbers, 2 ft., $6.00 per doz.

Dracæna Indivisa, $4.00, $6.00, $9.00 per doz.

Asparagus Sprengeri, strong, 4 in., $6.00 per 100.

100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters Marigold, etc., etc.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

KENTIAS

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Geraniums, 3½ in. pots, $7.00 and $8.00 per 100.

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Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

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Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.

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Nephrolepis Piersoni

FOR IMMEDIATE DELIVERY

EXTRA STRONG PLANTS from 2½ inch pots
$50.00 per 100
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$1.50 per doz., $10.00 per 100, $80.00 per 1000.

THE CONARD & JONES CO., WEST GROVE, PA.

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FOUNDED IN 1888.

FLORISTS' EXCHANGE

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Send for Rate Card, showing discounts on continuous advertising.

For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send for complete descriptive catalogue.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of The Florists' Exchange.

Any item of news,, subscriptions, or advertisements handed to our representatives will at once be forwarded to this office, and receive full attention.

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Baltimore.—E. A. Seidewitz, 36 W. Lex. St.
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Toronto, Ont.—Thos. Manton, Eglinton.
Troy, N. Y.—F. L. Winchell, c/o J. H. [illegible]
Washington.—C. W. Wolf, 1711 Penn. Ave.
Worcester Mass.—C. R. Russell, 86 Locust Av.

THIS WEEK'S SUPPLEMENT.

Manor House, Phelps Estate.

Our readers will, we are sure, be pleased with the illustration of the Manor house and grounds of the Phelps Estate, at Teaneck, N. J. We have illustrated several beautiful trees and landscape scenes on the estate, and now give the residence itself.

The present Manor house and home of Mrs. W. W. Phelps was purchased by the late Hon. Wm. Walter Phelps after the destruction of the old homestead by fire on April 1, 1888. Though at the time of purchase it was a place of meager appearance, it has by extensive alterations been turned into a very fine residence, standing in the middle of a beautiful lawn of nine acres

The two copper beeches seen in the foreground were planted in the places where they stand in 1876. They have attained a height of 36 feet 6 inches, and a spread of branches of 35 feet. The circumference, 1½ feet from the ground, measures 4 feet 4 inches. Such is the symmetrical, rounded form of the trees that they might aptly be called "ball-shaped."

In close proximity stands a beautiful crab-apple tree, 31 feet 9 inches high, with a spread of branches of 37 feet 6 inches.

There is always a time that the landscape gardener looks forward to with pleasure, which is when the picture in his mind at the time he plants a place is perfected; and we should say this time has now arrived for the one who planted here, Donald Matheson. What a beautiful place it is! Look at the grouping of the trees, the group on the right, especially, looking like a perfected belt of natural woods. The evergreen and the deciduous trees blend to form a perfect picture, and those off in the distance show the same character, and denote perfect health.

The vines about the porches and their appearance are well worth studying. Notice, in the first place, their thrifty look, then the way in which they are trained. There is no stiffness in their appearance. On the contrary, the graceful drooping of the upper shoots gives a pleasing appearance, as it conforms to the general character of the architecture of the dwelling. The little green along the base of the walls below the vines is another good feature—a dwelling always appearing to better advantage when springing from a base of green than when from bare ground.

The mass of trees on the left has the appearance of consisting of natural growths, or to have seen more years than the others. The trees afford a screen for the buildings and give shade in Summer, besides creating a more home-like condition of the whole, which trees always do.

The broad spread of lawn is a pleasing feature, much more so than it would be cut up with flower beds. Nothing is as good as a field of sloping green, such as this picture presents. Wherever the like is met with it excites admiration.

Taking it all in all, both the owner and the gardener have much to be proud of in this beautiful place.

JOSEPH MEEHAN.

Union Gardeners in Chicago.

The specter of the walking delegate and the labor agitator has invaded the aristocratic settlement on the shores of Lake Geneva. The Chicago millionaires who thought they had escaped the stress and turmoil of city life have been pursued to their sylvan retreats. They are in the midst of a labor controversy. It is all on account of the lawn mowers, gardeners and florists employed in the private parks. Last Winter, while the owners were away, 400 of these men organized. Demands have been made for the recognition of their union, and the matter is being agitated day by day. Many cottagers refuse to treat with the union, and all the familiar details of "ultimatums" and "sympathetic strikes" are being discussed around the lake. If agreements are not reached, some wealthy Chicagoans may have to mow their own lawns and weed their own onion patches, unless they conclude to stay away for the Summer.—Chicago Tribune.

About Trees.

Under the title "About Trees" the New York Times, in its issue of May 3, has a curiosity in the way of an editorial.

The writer of the article contends that there is general ignorance on the part of the public of what constitutes a good tree, enabling nurserymen to unload thousands of trees annually, which are but fit for hop poles. Popular knowledge on the subject of good trees and all relating to them is far behind what it is in Europe, especially France, the Times says. Further, it is asserted the people are willing to accept crooked, unshapely trees, and when purchasers complain, they are satisfied with the assurance that none better can be had. We are told that the proportion of good trees offered for sale from the nurseries of the United States is rarely larger than one in a hundred, and sometimes one in a thousand.

We quite agree with the Times writer that the selection of trees is a business which should not be intrusted to any one who has not qualified by a proper study of the subject. And we would add, that this is as true when applied to those who write for the press as to those who select trees. That the writer in question is not qualified to speak on the subject on which he treats is beyond question.

It is far from a fact that there is a general ignorance on the part of the public of what constitutes a good tree. So widespread is this knowledge that nurserymen could not pass off unfit or misshapen trees did they so desire. Instead of attempting this, all large nurseries burn up hundreds on hundreds of trees annually as against their interest to keep such for sale. Their brush heap is never bare of something to be burned. Furthermore, we could name two of the largest nurseries dealing in ornamental trees in this country in which men are continually employed doing nothing but pruning and shapening stock. This is done because of the demand for good trees—a demand which will not be satisfied with "hop poles." It is also strongly impressed on the salesman that a good business can only be built up by keeping steadily in mind the interest of the customer.

That popular knowledge on the subject of good trees and all relating to them in this country is far behind that of Europe is sheer nonsense. But very few of the people of Europe have a chance to own a tree of any kind; besides this, private and public grounds in this country are nearly altogether in charge of foreign-born gardeners, who have had the training the Times contends is necessary, and who give us the benefit of their knowledge.

Taking the parks and private gardens in the vicinity of many of our cities, examples of good taste, good trees and keen interest in all relating to horticulture are in evidence on every hand.

The general advance in horticultural taste in this country has been remarkably rapid of late years. Nurserymen know more about this than any one else, because of their experience with buyers. They tell us that the time was when the value of a tree was measured by its bulk, but that time has long since passed. It is now rarity, beauty, carefully cultivated stock and variety that count. The best talent the world affords in the way of gardeners and landscape gardeners is to be found in the midst of us, and it would indeed be strange, with the desire of our people for the best and the wealth to pay for it, were it true the conditions were as deplorable as the Times writer states they are.

Obituary

G. A. Hiehle.

G. A. Hiehle, of the firm of G. A. Hiehle & Son, Parkersburg, W. Va., died at his home on May 5, aged 55 years. Before coming to America, deceased had been employed in the Royal Botanical Gardens at Dresden and Vienna.

Jacob S. Williamson.

After a long illness, J. S. Williamson, at one time a leading florist and grower of roses in Memphis, Tenn., died Sunday, May 10. Mr. Williamson was a native of Memphis, and was connected with the leading families of the city. His father was at one time president of a local bank, and Mr. Williamson inherited ample means and a large plantation in the Mississippi Delta. His natural love of roses and other plants induced him to erect an extensive range of glass. He was successful in growing American Beauty roses for the home and St. Louis markets. Failing health (and being under no necessity financially to carry on the florist business) induced him to abandon it. His genial, kindly disposition, with his ardent love of all plant life and outdoor sports, made him popular with the entire trade.

C. H. H.

American Carnation Society.

VARIETY REGISTERED.

By John W. Foote, Malden, Mass.

RELIANCE, color a shade darker than that of Mrs. Thomas W. Lawson; strong calyx, seldom bursts; long stems, strong and wiry. Splendid keeper and shipper. A fine-shaped flower, the guard petals standing out well; in size about three inches. A good, thrifty grower, and an almost perpetual bloomer. ALBERT M. HERR,

Secretary.

Meeting of Board of Directors.

President George A. Rackham called a meeting of the board of directors for May 6. Wm. Scott, of Buffalo, and W. J. Vesey, of Fort Wayne, Ind., were the only directors present. The absent directors, however, had previously written the president giving their views on matters to be acted upon. All the correspondence was read, and the suggestions offered duly considered. A preliminary premium list was prepared, which will show some advantageous changes from the list of 1903. At least two papers will be read on timely and interesting subjects. A matter of much importance was the adoption of a system of staging, judging and making awards, similar to the plan used at the 1901 chrysanthemum show of the Detroit Florists' Club. A change was made in designating the different shades of pink, creating another division. The classes will be known as Lawson shade of pink, Scott shade of pink and Daybreak shade of pink. Provision will be made to admit the public to the exhibition subject to the arrangement of the local club.

The meeting adjourned to assemble again at Milwaukee during the S. A. F. convention, where, it is hoped, the full board of directors will be present, as several matters of much importance are to be considered and decided.

Chrysanthemum Society of America.

By invitation of the American Institute of the City of New York, the Chrysanthemum Society of America will hold its annual exhibition November 10, 11 and 12, 1903, in the "Armory of the Old Guard," corner of Broadway and Forty-ninth street. The schedule of premiums will be issued in the near future.

In addition to a large list and liberal prizes in the regular classes, there will be many special prizes offering great inducements to exhibitors.

A number of local horticultural societies will offer premiums to be competed for by their own members.

The Massachusetts Horticultural So- ty offers the following prizes to be npeted for by members of that so- ty:

For 25 blooms in 25 varieties, $25.00 d $15.00.

For 12 blooms in 12 varieties, $15.00 d $10.00.

Also $25.00 for the best vase of any variety—open to all.

The E. G. Hill Company offers $15.00 d $10.00 for the best 10 blooms of any edling, not in commerce, or foreign riety not disseminated in the United ates prior to January 1, 1903.

There will be many other special sses which will be announced later.

FRED H. LEMON, Secretary.

Floral Decorations in Parks.

Recently the New England Associa- n of Park Superintendents devoted e of its bulletins to a discussion of e subject of floral decorations in rks and village and city squares. All the gentlemen composing the mem- rship of this progressive association e men who have had long and varied perience in park making—men who and at the head of their profession America—and the verdict was unani- ous as to the efficacy and utility of wer gardens being established in our blic breathing spaces.

Perhaps Prospect Park, Brooklyn, Y., presents one of the best exam- es in the country where this style of rdening is carried out on an exten- e scale, to the great pleasure and light of thousands of appreciative itors.

The following remarks on the subject hand by Park Superintendent Wirth, Hartford, Conn., are worthy of heed: 'I do not advocate the establishing elaborate flower gardens in every rk in the country. On the contrary, m ready to acknowledge the very in- propriate location of some floral dis- ays as they exist in some of our parks -day, but I do wish to make a strong ea for floral displays in every city or lage with a park system, be it large small. Set aside for such purposes, e, two, or more parks or squares ich for various reasons are best apted for such displays, then combine your efforts to those few spots, and nfine your art to harmonious combi- tion of colors, artistic, graceful ouping and sensible, pleasing designs. not try to imitate the sculptor, nor tempt to scare the public with the phant. Leave that sort of fantastic tgrowth of floriculture to the mercy the floral decorator of picnic grounds d Summer resorts. . . .

'They (the people) will not only be ppy with what they will see in the rks, but they will go home, begin to y up their yards, and plant a few wers themselves; and in a very few ars the town will show the beneficial luence of our teachings, and our la- r and efforts will be lasting and of eat value to the community at large."

These statements are incontroverti- e, but the educational influence of ch plantings would be deepened, were common and botanical names of subjects employed, as far as prac- able, furnished on labels for the edi- ation of the public. This is done, in case of some of our larger parks, regards their trees, but neglected, ugh none the less necessary, so far flowering plants and shrubs are con- ned, in too many instances.

Reflections on Current Topics.

Mr. Editor: I observe in a contempo- ry a statement—and its appearance re causes me to doubt its accuracy o the effect that at the New York orist's Club's outing "John Birnie ers a volume of Burns' poems for e best bowler of the 'Press'—Job ex- ded." As I have stated before, I am great admirer of bowling—that is, to others sweat themselves at the me; but, alas, were I inclined to com- te in the coming contest, my obesity uld prevent my doing so; and there no time now to reduce my weight by sting, dieting, training, and other essary prior preparation. Did not tance preclude my presence at the ting, however, I should, in the alleys, ve sweltered in sweet contentment, ping my glass of milk—the potential tation of poets, press men and other artistic artisans—watching that game for a book which has been excluded from my library for good and sufficient reasons. John Birnie's embargo (if true) is therefore null and void, in my case; causes no ripple of resentment, or otherwise proves a disturbing element in my naturally calm career. I hope "J. Austin Shaw" wins that trophy, though—the book would suit him, I think.

It is a common belief among the ultra-erudite in floricultural and horticultural circles that our class literature is degenerating; and when, one by one, the more advanced periodicals pass out of existence, depravity in taste, or intellectual inferiority among American horticultural workers and readers is advanced as the reason why such publications died. And this sentiment finds its echo in the columns of contemporaries across the water, where a higher literary standard supposedly prevails and finds favor. I had occasion, recently, to glance over back numbers of some of our own trade papers, and I confess these offer good grounds for the view that both our writers and readers have become debilitated, evidenced by the feast at present provided, and its willing acceptance and consumption. Specialtyism, if I may use the term, has restricted the subjects treated upon by the trade press nowadays, and we rarely get beyond "roses, chrysanthemums and carnations," and these ad nauseam, with a host of what a friend of mine calls "old woman gossip" thrown in. But it seems to satisfy, so why rebel? and it pays the purveyors.

Yet the material supplied evidently has some worth. This I infer from a recent testimonial, in which a thankful mortal thus chronicles his indebtedness to the publisher of a trade periodical: "Your paper has been one of the chief means of my advancement in horticulture." Of course, the value or otherwise of that candid confession of help received depends upon the standard of progress reached by the testifier. But as there is joy in Paradise over one sinner that repenteth, so should we horticulturists of America rejoice that our maligned trade press has been the means of advancing one solitary member of the craft—no matter how short the distance—to a degree that wrings from him heartfelt peans of grateful acknowledgment. Henceforth, let us hold in greater contempt than ever the traducers of our trade papers.

JOB.

Contents.

PAGE
A Cheap Idea 556
Achimenes Verschaffeltii (Illus.) 566
American Carnation Society 564
Bowling 572
Briefs for Busy Florists 567
Canadian News 561
Carnation Flowers, Storing 566
Catalogues Received 553
Changes in Business 560
Chrysanthemum Society of America 564
Eden Park, Cincinnati (Illus.) 561
Firms Who Are Building 572
Floral Decorations in Parks 565
Halesia tetraptera (Illus.) 555
Horticultural Society of New York 566
Market, Review of the 569
OBITUARY:
G. A. Hiehle, Jacob S. Williamson 564
Nursery Department 555
Pamphlets Received 553
Phlox subulata 566
Pierson Fern, The 566
Pollworth Co., C. C. (Portraits) 567
Question Box 566
Reflections on Current Topics 565
Seed Trade Report 553
SUPPLEMENT:
Manor House, Phelps Estate 564
TRADE NOTES:
Boston, Norwalk, Conn 560
New York, San Francisco 561
Birmingham, Ala., Philadelphia 569
Detroit, Montclair, N. J., Tarrytown 571
Buffalo, Chicago, Cincinnati, Cleveland, Indianapolis, Louisville, St. Louis 575
Orange, N. J 577
Trees, About 564
Union Gardeners in Chicago 564
What Our Advertisers Say 565

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange will publish every week voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

Benjamin Connell, West Grove, Pa., calls special attention to his list of potted cannas, also dormant cannas; and carnations from soil and fit to plant; started caladiums, English and Japan ivy, geraniums, and Tritoma uvaria.

INDEX OF ADVERTISERS

Allen J K 573
Amling E C 575
Anderson & Christensen 563
Andorra Nurseries ..554
Aschmann G 556
Atlantic Coast Nurs.554
Austin H 554
Az P Loef & Co....556
Bader J 562
Baker W J 574
Barrows H H & Son 556
Bartram J H 559
Bassett & Washburn.575
Bayersdorfer H & Co 578
Beach Jas E 559
Beaulieu H 554
Benedict G H 558
Benson C W 554
Beckert W C 552
Berckmans P J Co..554
Berger H H & Co..553
Bernheimer E 574
Berning H G 575
Bloom J S 562
Blue Hill Nurs 556
Bobbink & Atkins...551
Bock W A 563
Bonnot Bros 575
Boston Letter Co....576
Bradshaw & Hartman 573
Brooks E F....562
Brown Bros Co 554
Brown E C & Co...576
Brown P 558
Burpee W A & Co..554
Byer Bros 570
Caldwell the Woodman 571
Cal Carn Co 570
Canadian Advts 561
Carmody J D 576
Cavanaugh Mrs M..570
Chase C S 558
Chicago Carn Co ...559
Chinnick W J 558
Clucas & Boddington 551
Coldwell Lawn Mower Co 578
Conard & Jones Co 562-73
Connell B 556
Coolidge Bros 570
Cottage Gardens ...570
Cowee A 552
Cowee W J 571
Cowen's N Sons....576
Cox Seed Co 553
Crabb & Hunter ...558
Craig R & Son....562
Crooke J J Co....572
Crowl Fern Co....571
Cunningham J H...562
Cut Flower Ex....573
Dailledouze Bros ...570
Darling C T 570
Davis A B & Sons..552
Deamud J B 575
Deming Co 571
De Pew Bros 562
De Witt P M 558
Dietsch A & Co....577
Diller, Caskey & Co.578
Dillon J L 556-59
Dillon G'house Mfg.577
Dimmock A 562
Dorner F & Sons Co.570
Dreer Hy A .553-59-76
Dumont & Co 574
Eichholz H 558-70
Eisele C 578
Eisele J G 563
Eisele W G 558
Elizabeth Nurs Co..553
Elliott W & Sons...552
Elliott W H 551
Emmans Geo M ...563
Endtz Van Nes & Co.554
Fairview Floral Co.558
Farquhar R & J Co 554
Fellouris A J 571
Felthousen J E 562
F & F Nurseries ...554
Florists' Hall Assn.576
Foley J 571
Foley Mfg Co 577
Foster L H 563
Frith C A V 552
Gammage & Son. .. 581
Garland G M 576
Ghormley W 573
Giblin & Co 578
Gullett W H & Sons.556
Gunther W H 573
Guttman A J 573
Haerens Bros 563
Hagenburger C 570
Hammond B 576 77
Hammond J A 573
Harris E 556
Heacock Jos 563
Herendeen Mfg Co..578
Herr A M 558
Herr D K 556
Herrmann A 578
Herzog W S 562
Hews A H & Co....576
Hicks & Crawbuck..573
Hilfinger Bros 576
Hill E G & Co....575
Hill Top G'houses...558
Hippard E 577
Hitchings & Co....578
Hoffmeister Floral Co 557
Holley E 553
Holton & Hunkel Co.575
Hooper Bro & Thomas 559
Horan E C 573
Horan J & Son....559
Hor'l Advertiser ...576
Howe J H 571
Hughes G J 558
Hulick H 557
Hunt E H 571-75
Igoe Bros 559
Jackson J H 577
Jackson & Perkins Co 562
Jacobs S & Son ...577
Jennings E B 558
Jessamine Gardens..556
Johnson & Stokes ..553
Jones H T 554
Joosten C H 572
Kasting W F 574
Keir Wm 570
King Cons Co 578
Koster & Co 556
Kreshover L J 571
Kroeschell Bros Co..576
Lager & Hurrell ...562
Landreth D & Sons.552
Lang J 573
Langjahr A H 573
Lawritzen C 562
Limbach C 576
Little So Floral Co..570
Livingston Seed Co.576
Lockland Lum Co ...577
Lord & Burnham Co.577
Lotze G A 557
Lovett J T 556
Mader P 558
Madsen & Christensen 558
Manhattan Supply Co 572
Mathews G P 570
Mauger W & Sons..553
McCarthy N F & Co.574
McFadden E C 571
McKellar & Winterson 575
McManus J 573
Mich Cut Flower Exchange 553
Michell H F 553
Minor W L 558
Molatsch H A 570
Moninger J C Co..577
Moon S C 554
Moon, Wm H Co 554
Moore, Hentz & Nash 573
Mosbaek L 558
Muno J 575
Myers & Samtmann 559
Nat Board Trade. 571
National Plant Co 558
Neff L I 570
Nelpp G F 570
N Y Cut Flower Co 573
Niessen L 574
Oakhill G'houses .. 571
Ouwerkerk P 554
Pabst R 562
Pankok & Schumacher 562
Peacock W P 554
Pennock S S . .562 72
Perkins J J 573
Phila Market 571
Pierce F O Co .. 578
Pierson F R Co 551
Pierson Sefton Co 578
Pinehurst Nurseries 556
Pittsbg Cut Flow Co 574
Pitzonka G 558
Peat Bros 557
Pollworth C C Co 575
Potter & Cousins 558
Quaker City Mach Co 576
Rawlings E I 558
Rawson W W & Co.553
Raynor J I 573
Reed & Keller 553
Reck & Son 558
Reid Ed 571
Reinberg Peter .. 559
Renter S J . 559
Reynolds J L Co 576
Rider Ericsson Engine Co .. 578
Riedel & Co 573
Rippberger Geo 571
Robinson H M & Co 571
Rockville G'houses 556
Roemer F 558
Rolker A & Sons.. 563
Rupp J F . 562
Salter W H 559
Saltford Geo 573
Sander F & Son 562
Schmidt J C ...556 58
Schmitz F W O 552
Schultheis A 559
Schumann G T . 558
Scott J 563
Shellr'd G'houses 558
Shepherd Mrs T B Co 572
Sheridan W F 57[illegible]
Shurtleff J E & Son 556 70
Skinner Bros . 57[illegible]
Slinn B S Jr .. 57[illegible]
Smith C .... 57[illegible]
Smith N & Son 562
Smith W & T Co....556
Soltau C 558
Springfield Floral Co 556
Stern J 571
Stearns A T Lum Co.576
Stoothoff H A Co...569
Storrs & Harrison Co 563
Stumpp & Walter Co 552
Sutherland G A .. 571
Swayne W 570
Syracuse Pottery Co 576
[illegible] E J . 570
[illegible] A .. 558
[illegible] J D ..570
Thorburn J M & Co 553
[illegible] M I . 556
Tobacco W & T Co 576
[illegible] J 562
Traendly & Schenck 573
Troy J H .. 556
Van der Weyden & Co 554
Vanhorne, Griffin & Co 576
Vaughan's Sd Store 552 53-54
Vesey W J & M S 557
Vick's Jas Sons .553
Vincent R Jr & Son 551 62
Wainwright Geo . 556
Waterfield G W . 559
Weaver G A Co .. 556
Weber C S & Co.. 576
Weber H & Sons .. 570
Webster Bros 561
Weeber & Don 551
Welch Bros 574
Week P 558
Weston H 562
Whetstone & Co .. 576
Whilldin Pottery Co 576
Whitton & Sons . 558
Wietor Bros 575
Winterich C 562
Wood Bros 570
Young J 573
Young & Nugent .. 573
Zimmer Chas 558

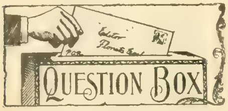
INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon 562 78
Acalypha 562
Achillea 556 58
Achyranthes ..562 63-70
Ageratum 556-58-62-70-78
Allamanda 562
Alpine Plants 556
Alternanthera .556 62 78
Alyssum 556 58 62
Amaryllis 553
Anemone 563
Anthericum 563 78
Aquatic Plants 553
Araucaria 562
Asparagus ... 551-53 56 58-62-63-70-71
Asters 556 62
Aucuba 551
Azaleas 554 56-63
Bedding Plants ..558-62
Begonias ...556 58-62-63
Berberis 554-71
Bougainvillea 563
Bouvardia 578
Box 551-54
Bulbs (not named) .575
Caladium 551-58-62
Calendula 556
Cannas 551-53 54-56 58-62-63-70-78
Carex 562
Carnations .. 556 59 62 70-78
Centaurea 556 62
Chrysanthemums 558-62-63-70
Cinerarias 562
Cinnamon Vine 562
Cissus 558
Clematis 554-56 78
Clerodendron 562
Cobaea 556-70-78
Coleus ...556 58-62 70 78
Conifers 554
Coreopsis 558
Cosmos 558
Crinums 556
Crotons 562
Cuphea 558 70
Cut Flowers. 57-73 74 75
Cycas 551-53 54 63
Cyperus 556 70
Daffodils 553
Dahlias ...551-52 54 56 58 62
Daisies ... 556-58 62 78
Decorative Plants 562 63
Delphinium 558
Dielytra 551
Digitalis 558
Dracaena ...556 58 62 63
Evergreens ... 551 54-71
Fern Balls 551 53
Ferns . .551 62 63 70-71
Ficus 551 54-63
Forcing Plants 563
Freesias . 552
Fuchsias .556 58 62 63-70
Funkia 558
Gaillardia 558
Gardenia 551-56
Geraniums 556 58 62 63-70
Gladioli ... 551-52 53 63
Grasses 562 63
Helianthus 558
Heliotrope 556 58 62 63 70
Hemlock 554
Herbaceous Plants .556
Hollyhocks 558
Honeysuckle 556
Hyacinths 552
Hydrangeas 554 56 58 63
[illegible] 556
[illegible] 551
[illegible] 553
[illegible] 553 54 56 58 62 78
[illegible] 554
[illegible] 556-78
[illegible] 554 56
[illegible] 554
[illegible] 551-52 53-54
[illegible] 556 58 62 63 78
[illegible] 558
Myosotis 556-58-62
Narcissus 52 53 58
Nasturtium 556
Nursery Stock .. 554-56
Orange 554
Orchids 562
Palms 551-52-54-56-62-63
Pansy ...556 58 62 63 78
Pardanthus 558
Pelargoniums 558 62
Peonies 554
Periwinkles 556-78
Petunia ... 556 58 62 70
Phlox 556-58 62
Primula 562
Privet 554
Pyrethrum 556
Rhododendron 551-54 63
Roses ...551 53-54-56-58-59-62 70
Rudbeckia 558
Salvia ...556-58 62 63 70
Sateleza 562
Sansevlera 558
Santolina 558
Scabiosa 552
Sedum 562
Seeds (not named) 553 54-75
Selaginella .... .558
Shrubs 554 56
Small Fruits .. 554-56
Smilax 552 62-70
Spiraea 554-58
Stevia 570
Stocks 556
Swainsona 562
Sweet William 558
Thunbergia 556
Torenia 556
Tradescantia 556
Trees 551-52-54-56
Tritoma 556
Tropaeolum 578
Tuberoses 551-52 53
Tulips .... .552
Vegetables 553 54-56
Verbena .556 58 62 63-78
Vincas 556 58-62
Violets 556-58
Water Lilies 562
Wistaria 554
Yucca 554-62
Zinnias 556

MISCELLANEOUS.

Auctioneers 574
Baskets 553
Boilers 576 78
Books 571
Collections 571
Cut Flower Boxes . 576
Decorative Greenery 571
Designs 571 74 75 78
Fertilizers 571-76
Florists' Letters 571-76
Fittings 577 78
Florists' Supplies 571-74-75 78
Flower Pots, etc .574-76
Galax 571
Glass 576-77
Glazing Points 576
Greenhouse Bldgs 577-78
Gutter 576 77 78
Hail Insurance 576
Insecticides 569 71 76 77
Lawn Mowers 578
Lumber 576 77
Mastica 578
Mushroom Spawn 553
Newspapers 576
Painters' Supplies . 576
Pipes, Joints and Valves 576
Printing 571
Pumps 578
Rustic Work 553
Sash 578
Sprayers 571 76
Stakes & Supports 552 59
Tiles 577 78
Tinfoil 572
[illegible] 571
[illegible] 577 78
Wants 572
Wax Flowers and Designs 571



QUESTION BOX

Supposed Scale on Plum Tree.

(113) A. H.—The excrescences on the plum twig are not scale of any kind, but seem to have arisen from an exudation of the sap that has become hardened. If the branches so affected are pruned away, the tree would break away again, and probably be all right.

Horticultural Society of New York

The fourth annual meeting of the Horticultural Society of New York was held in the lecture hall of the Museum Building, Bronx Park, New York, on Wednesday afternoon, May 13. Previous to the regular meeting of the society the council convened, and decided to donate $150 to the Chrysanthemum Society of America in connection with its Fall exhibition, which is to be held in New York next November.

President James Wood occupied the chair. The report of Secretary Barron showed the society to be in a flourishing condition; two life members had been added during the year, and there was a balance of upwards of $800 in the treasury.

Aside from electing three new members to the council, the list of officers remains unchanged. The three new councilmen are: Edwin S. Marston, J. S. Holbrook, J. F. Johnson. These gentlemen will serve in the places of Addison Brown, J. De Wolf and Jas. W. Withers.

John K. M. L. Farquhar, of Boston, gave a most interesting talk on the "Flowers, Fields and Woods of Japan," illustrated with stereopticon views. Mr. Farquhar, in the course of his remarks, said that there were types of Japanese longiflorum lilies that had not yet been imported to this country—types much better than any we had yet seen here. One of his illustrations showed lilies that were fourteen inches long in the bud, and with foliage as fine as is that of Dracæna indivisa. The speaker also remarked that landscape work in this country that is done in accord with the canons of the Italian school, can never be wholly successful, owing to the tender subjects necessary to be employed in that style of landscape art. Let us, he said, follow the Japanese school of landscape art, and we shall be entirely successful. The climate of Japan is similar to our own, and the modes of arrangement in that Eastern country have reached the pinnacle of perfection. The speaker's plea for a taking up of the Japanese style of landscape work by our gardeners is certainly one that is worthy of consideration.

In conjunction with the meeting the annual exhibition of the society was held. The number of entries was hardly up to the usual standard. The prize of $50 for the best horticultural novelty in flower, plant, fruit or vegetable, brought out but two entries. These were a double sport of the Begonia Vernon, named B. Gertrudiana, shown by F. Weinberg, Woodside, L. I., and a plant of Phœnix Roebelenii, exhibited by Siebrecht & Son, New York, the latter subject winning the coveted prize. Siebrecht & Son also were the winners in each of the following classes: Group of crotons, group of palms and foliage plants, group of foliage and flowering plants, collections of ferns and second for collection of orchids.

The first for the latter class was won by Lager & Hurrell, Summit, N. J., who exhibited some forty varieties, including many choice kinds.

The Bedford Agassiz Association won the honors for collection of wild flowers.

L. A. Martin, gardener to Mr. W. H. S. Wood, Greenwich, Conn., was first for collection of flowering shrubs. This exhibit was a very comprehensive one, containing twenty-five different varieties of syringas and seventy-five sorts of other shrubs.

F. Weinberg was first for collection of succulents; Mrs. Pradcock, also of Woodside, L. I., being second.

A. special gratuity was awarded L. A. Martin for the exhibit of syringas, and a similar award was given G. Smith for peonies.

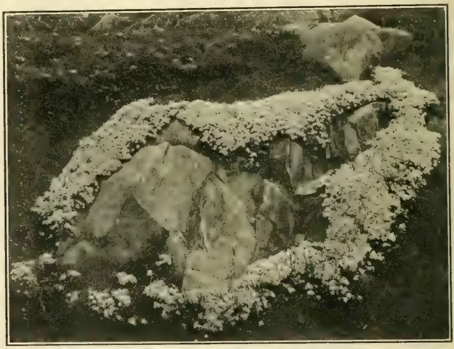
A first-class certificate and vote of thanks was awarded Mr. Roebling, Trenton, N. J., for Lælio-cattleya G. S. Ball, a new orange-colored variety.

ACHIMENES VERSCHAFFELTII.

Achimenes Verschaffeltii.

The achemines are not so extensively cultivated as their merits deserve. As will be seen from the accompanying illustration of A. Verschaffeltii, when properly treated they are excellent plants for hanging basket purposes. One very good feature they possess is that flowers are produced for several months without exertion.

The rhizomes should be started early in April. These may be started in flats, and when growth appears, as many as desired may be put into baskets. Any good fibrous loam, with a liberal mixture of leaf soil, will suit them. After flowering commences they should be fed occasionally with liquid manure.



PHLOX SUBULATA AT GREYSTONE, YONKERS, N. Y.

Phlox Subulata.

For early Spring flowering, Phlox subulata and its varieties are desirable subjects. Planted on dry, sunny banks, provided they get a fair amount of water in Summer, they make a brilliant show. The accompanying illustration is of a clump of Phlox subulata growing around a rock on a bank of the main drive at Greystone, Yonkers, N. Y. The plants were planted the Spring before the photograph was taken, and show how naturally they have begun to grow over the rock.

W. H. WAITE.

Storing Carnation Flowers.

In his valuable book, "The American Carnation," just published, the author, C. W. Ward, of Queens, N. Y., says, relative to the storing of cut carnation flowers: "The chief value of any flower consists in its being placed in the hands of the consumer in a fresh, lasting condition. This can only be accomplished by having the blooms properly handled from the time they are cut from the plant until delivered into the hands of the consuming purchaser. In order to accomplish this the flowers must be picked when in the proper condition, the stems immediately plunged in water, and the receptacle placed in a cooling room, which should be scrupulously clean, and in which the temperature is uniformly carried at from 45 to 55 degrees. The vases containing the flowers should be of sufficient size to avoid crowding or jamming the blooms together, and be deep enough to hold at least two-thirds to three-fourths of the entire length of the stem. These vases should be kept perfectly clean, and should be daily filled with fresh water. The temperature of the water in the vases may be from 10 to 15 degrees higher than the temperature of the room at the time the flowers are put into the vase. While the temperature of the cooling room should be from 48 to 50 degrees, we have found it beneficial when both the water and cool room stood at about 55 to 60 degrees when the flowers were put in and when the morning pick was finished the room gradually cooled down to 48 to 50 degrees. The water, room, and flowers cooling down together, avoids the sudden chilling of the blooms, a condition which sometimes causes them to wither, or, as the florist terms it, 'go to sleep.'"

A Cheap Idea.

The question of room at this season of the year is a serious problem to every florist, especially where it is necessary to handle quantities of bedding stock. There are, too, always some plants which are large enough to be moved outdoors if only room could be found. Your correspondent thinks that to alleviate the suffering of florist and plant, a cheap frame can be made, one similar to a hot bed frame; and in place of sash, a covering can be made from two by one inch pine sawed to make the frame the same size as the sash, and cover with factory cloth stretched tightly over it and tacked on all four sides. A brace will be necessary to strengthen the frame, also a small hook and eye (one at top and one at bottom) to prevent the wind carrying off the covering. Such protection is proof against light frosts, and if given slope enough will carry off heavy rains almost as good as sash. This is a hand place to put plants requiring to be hel back to save bloom; and the device ca be put together in almost any corne of the lot for a short time. Also th covering, once made, is very useful fo many things, such as covering seeds t prevent continual watering, and can ac as a protection from the hot sun t asters just transplanted, or newly repotted plants. Try it.

A. H. S.

The Pierson Fern.

Writing on the subject of the Pierso fern (Nephrolepis exaltata Piersoni), i the Gardeners' Chronicle, Chas. T. Druery, an English authority on ferns says: "We have here, undoubtedly, on of those marvelous breaks, which ar hardly likely to stop at this stage, i cultural selection be continued by sowing of the spores, instead of the growe being content with the easier propagation by stolons. The remarkably dens and foliose character of the variety i fairly sure to be correlated with som degree of barrenness as regards spores but it may be well to note that in th parallel cases of polystichum, althoug a superficial glance may fail to detec sporangia, a good lens may detect them not as sori, but singly. Already in th same genus we have one fine plumos variety, N. rufescens tripinnatifida which, however, varies in differen lines to this one, being cut like ou Welsh polypody, while N. e. Pierso is, apart from its dense and imbricat character, a sport with a thorough secondary division, which, judging fro parallel cases in British ferns, ma quite well go one and even two ste further, each one adding to the delica and beauty of the plant."

F. R. Pierson writes us on the subject of sterility of N. Piersoni as fo lows:

"The Pierson fern has the same cha acteristics in regard to barrenness, freedom of spores, as the Boston fer N. Piersoni will bear spores on t very old fronds if the plants becon hard and dry, but when growing free it shows the same tendency to sterili that the Boston fern does, and we ha found, as far as we have been able observe, that the two ferns are ide tical in this respect."

The competition for the contract wit Ogden City, Utah, to place a number flowers in the public parks of the cit has resulted in a division of the wor among the florists of the city. Th plants and bulbs are to be supplied b three different greenhouse men—Her dershot, Varney, and Porter—and t work of putting them in is to be dor by Merkle. Bulbs and plants to th amount of $200.00 are to be purchased

The Newport (R. I.) Horticultur Society will hold its fifth annual exh bition of roses, foliage plants, fruit etc., in Masonic Hall, June 23 and 2

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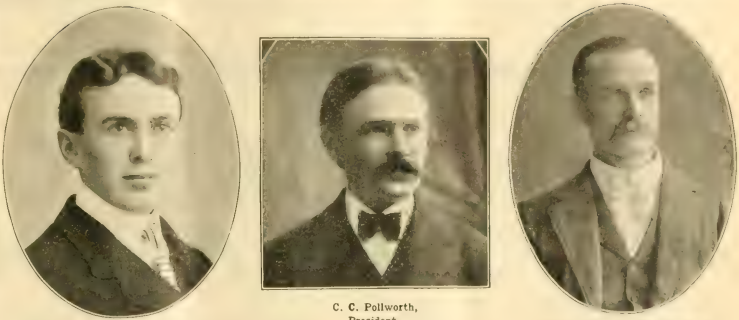

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BRIEFS FOR BUSY FLORISTS.

DRACAENA INDIVISA.—The one-year-old plants can be got to good-sized decorative stock by next Fall, and need take up no room in the greenhouse during the Summer, if one has a piece of good garden land where they can be planted outdoors. They may be planted out as soon as all danger from frost is over, but before planting, have some well-rotted manure dug into the soil, and the latter in a perfectly friable condition, forking it over several times if necessary. Dracænas, when grown outdoors through the Summer, providing they have reasonable care and attention bestowed upon them, make far better and stronger plants than can be produced in the greenhouse, and they can be lifted and potted in September without the least injury.

COCOS WEDDELIANA.—There never seems to be too many plants of this little palm, when the season for filling fern dishes and jardinieres is on; and it is always advisable to grow a batch of them on through the Summer rather than wait until September or October before getting a supply for Winter.

A common mistake made when growing the cocos is that of overpotting, putting plants in 4-inch pots when they should only go into 2½ or 3-inch pots. Grow them in a house that is well shaded, though little effort need be made to keep them at all cool. Providing they get enough moisture at all times, a ninety-degree temperature through the day will not hurt them.

MARGUERITES.—If cuttings of these have not yet been made, no time should be lost in doing so. Should the propagating bed be too crowded just now, the cuttings from the marguerites can be put either into flats or pots, and they will root just as quickly. After they are rooted, they must be potted along and kept right through the season, stopping them at times if necessary in order to have strong, bushy plants when the flowering period arrives. Although they make good plants when set outdoors through the Summer and lifted and potted at the approach of Autumn, the check they receive at lifting seems to impair their blooming qualities a great deal, and it is advisable to grow them in the pots right through, feeding them liberally when the roots begin to get crowded after they have reached the flowering sized pots.

Couldn't Deceive Him.

"I want to get some bird seed," said the customer in the seed store.

"No, ye don't, smarty," replied the new clerk, recently acquired from the country, "ye can't joke me. Birds grow from eggs, not seeds."—Philadelphia Press.

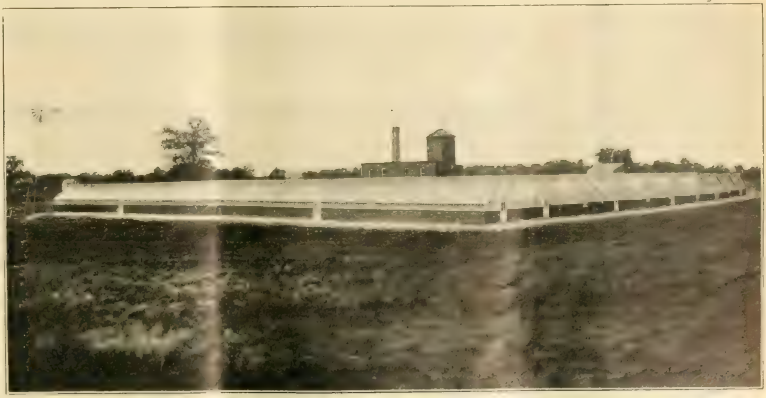
C. C. Pollworth Co., Milwaukee.

We present herewith portraits of the officers of the C. C. Pollworth Co., of Milwaukee, together with illustrations showing the firm's palm house, recently added rose range and new store.

C. C. Pollworth, the president of the company, is well known as the genial and energetic vice-president of the Society of American Florists, and the president of the local florists' club. Joseph E. Pollworth, his brother, is secretary and treasurer of the firm, and Wm. A. Kennedy, vice-president and superintendent of the greenhouse establishment.

In 1901 the company purchased the Deuster greenhouses at Milwaukee, and as the interests of the growing trade demanded, have gradually added year by year until now they have probably the largest greenhouse range in the district. The new store in the city into which the firm is moving affords much larger capacity for the handling of the extensive business conducted in florists' supplies of all kinds. This firm also does a wholesale cut flower commission business, several of the largest growers in the locality shipping their stock there.

All the members are greatly interested in the success of the coming convention of the S. A. F., which, Mr. Pollworth says, promises to be a record-breaker.



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Review of the Market

NEW YORK.—The cut flower trade of this city is in a very demoralized condition. There have been times in previous years when business was poor during the month of May, but we do not recollect ever seeing the flower market so completely at a standstill this month as it is at the present time. So far as market prices go, it is a difficult matter to get a line on these. There is such a large surplus of every commodity left over each day, which is released to speculators at extremely low figures, or else thrown away, that the average returns must naturally at this time be at variance with any quoted figures. Straight slips of Bride and Bridesmaid roses have sold at $5.00 per 1000; and fancy carnations have been offered almost at the same figures. Unfortunately there have not been buyers enough to clear out the stock at these figures, and many good flowers have eventually been consigned to the rubbish receptacle.

We have had no rain here since Easter Sunday, and the want of it is beginning to be felt by carnation growers and others. Still, the outdoor flowers do not seem to have been seriously affected by the five weeks' drought. Iris have begun to arrive, as also have viburnums and peonies. Lilac is plentiful, and has been selling at any price whatever; some at 5c. a bunch, others at three times that figure, all depending upon the quantity of stock purchased. In sweet peas, also, there is a long range in values; some go at 2c., some at 8c. a bunch, and many flowers are cast away for the lack of buyers. It must also be understood with reference to the sweet peas that the quality is of as wide a range as the values received for the flowers.

Ordinary grades of carnations are out of the running entirely. With the long-stemmed fancy flowers going at the prices aforementioned, there is no outlet for the commoner ones, and the ashman has the final handling of them, in most instances.

Lilies have an outside value of 4c.; lily of the valley, from frames, is bringing about 50c. a 100, when sold, and the outdoor crop, for the most part, withers away while in the hands of the dealers, there being no demand for it.

Tulips and narcissus are not much in evidence, and it is just as well so.

BOSTON.—Trade during the past week has assumed almost the Midsummer standard. There has been no market for either roses or carnations, and even sweet peas, which have been selling well right along, took a big slump this week. Roses and carnations are now going at the buyers' prices, and no fair offer is refused. American Beauty of extra grade make $2.00 per dozen, with the smaller stock bringing $8.00 to $10.00 per 100, and culls $1.00 to $1.50. Best grades of Bride and Bridesmaid are freely offered at $5.00 and $6.00 per 100, with the medium and smaller ones at from $4.00 down to 50c. per 100. All other roses are correspondingly cheap.

Carnations, too, are cleaned out at any price, and much very fine stock is sold at $1.00 per 100, with inferior flowers at 25c. to 50c. A limited supply of fancy stock reaches $2.00 and $3.00 per 100, but when bought in quantities these prices are shaded considerably.

First quality sweet peas are now freely offered at 50c. per 100, though a few fancies will average a little better, and many of the inferior ones make but 35c.

Marguerites, yellow and white, sell fairly well; as do pansies. Outdoor tulips are now numerous, but move Slowly at $1.50 and $2.00 per 100. Stocks, antirrhinum and such are coming in fast, but sell slowly.

F. J. N.

ROCHESTER, N. Y.—Business in this town is moving in a satisfactory manner. Carnations are now becoming more plentiful as the fine weather approaches, and good quality is the order. Mrs. Frances Joost and The Marquis are showing up fine, while Peru, Flora Hill, and Queen Louise are in constant demand. One fault, seemingly, of The Marquis is that red spider sticks to it like glue, making the foliage and calyx yellow and far from handsome. The stores are busy with funeral work, and handling early bedding plants, the demand for which is constantly growing.

The wholesale men certainly have their hands full, and all report the prospects for Spring trade as exceptional. There will be a noticeable shortage in many varieties of plants, especially geraniums, one firm alone lacking 6,000 of last year's supply. Owing to the hard freeze of May 2, many carnation plants, recently planted, received a severe check, a large number being frozen, as well as cut by the wind. We have hopes that they will break from the lower eyes, but a severe loss at this time will make itself felt later.

A. H. SECKER.

CHICAGO.—Spring has come on us with a rush. From freezing weather we are now enjoying regular Summer days. This has caused trade to suffer, and at present we are right in the midst of our first great glut of cut flowers of this season. Roses and carnations are in by the thousands and are hard to move at any price; especially is this true of the tea roses. Any number of these are offered at the buyers' own figures.

Good shipping stock has held up remarkably well, and is selling at a fair price. First-class carnations are still bringing good values, and some superior stock is now coming in. Extra good Prosperity are selling as high as $5.00 per 100. American Beauty roses are going well, considering the glut of other stock.

Not a great many outdoor flowers are coming in, although the warm spell may change this condition. There has been no lilac to speak of in the market as yet, the recent cold weather having a tendency to hold it back, and no great quantity having been received from Southern points.

Kennicott Bros., of Carbondale, have begun to harvest their annual crop of peonies and some good pink and white flowers are on the market, and selling fairly well. Klehm's Nurseries are sending in some fine yellow tulips that are bringing a good price for outdoor-grown stock. Lily of the valley, from outside, does not sell at all, and the indoor-grown stock is hard to move at any price.

Spring plant trade with the seed stores has opened up with a rush the past week. Vaughan's Seed Store has been very busy. Although about two weeks later than last year, from appearances the trade will be as large, if it does not exceed that of former years.

R. J.

ST. LOUIS.—The opening of this week augurs well for warmer weather. Business continues rather quiet and the large supply of cut flowers at the wholesale houses is still noted. The retailers are only buying a limited quantity of stock for their daily supply. Last week a number of large funerals used up a lot of white flowers, but colored stock was left unnoticed. The rose market is very much overstocked. Plenty of long American Beauty are to be had at cheap prices, and the very choicest can be bought at $3.00 per dozen, from that down to short ones as low as $2.00 per 100. Bride and Bridesmaid are in good supply, but moving rather slowly at prices ranging from $1.00 to $5.00 per 100. Some good Kaiserin Augusta Victoria are coming in, with some demand at $4.00 per 100. Liberty have very short stems, but fairly good flower, selling at $2.00 and $3.00 per 100. Perle des Jardins do not sell well at this time of the year; they come in too soft when the weather is warm. Golden Gate suffer in demand on account of lack of foliage. The blooms are fine and the stems good, but the poor foliage is against the variety as a cut flower.

Carnations in all varieties are very plentiful and $2.00 is a big price for them by the hundred; a few specials bring 50c. more; $10.00 is a fair price in thousand lots. Some, I hear, were even sold cheaper than that. In white, Flora Hill is the most sought now, owing to its keeping quality; in pink, Mrs. Lawson; and red, G. H. Crane. Daybreak is in fine condition and is always a good seller, as it can be used for most any kind of work. Frank Fillmore's Flora Hill are the best in this market at present. The best home-grown stock of most all kinds comes from The St. Louis Carnation Co. Peonies are now coming in, but are as yet not over plentiful; they are selling at $5.00 per 100, with a good demand.

Harrisii lilies and callas, lily of the valley and a few tulips are coming in. Lilies were badly in overstock the past week, but the supply has let up somewhat, with a little better demand. Outdoor lily of the valley does not sell well. Sweet peas are in favor and meet with a lively demand, cleaning up pretty well daily at 50c. and 75c. per 100. Frank Ellis shipped a big lot of sweet peas the past week, as many as 10,000 to one party.

All green goods are selling fairly well. Smilax is still scarce and only a limited number of strings can be had. Dagger ferns are in, and take the place of fancy ferns, which are a little scarce. ST. P.

CLEVELAND.—The market the past week has been rather dull, and the increased cut has caused a glut in some lines. Roses especially have suffered and at times good ones could be had at $10.00 per 1000, although the market prices are $3.00 to $5.00 per 100 for teas. Carnations are holding out well and most all grades of this stock are in demand, the price being $2.50 to $3.00 per 100. Some good longiflorum lilies are seen and readily bring from $12.50 to $15.00 per 100. Outside lily of the valley has made its appearance, but not in quantity. Lilacs are plentiful and in fair demand. Sweet peas are very scarce, and bringing good prices. Common ferns are difficult to obtain and the price has gone up to $2.00 per 1000. Good Boston ferns are in great demand, and as most stocks are sold out, prices are going up. This fern is about the only item in the plant line that is really scarce.

G. W. S.

CINCINNATI.—Warm weather and plenty of sunshine is what we are getting at this time. Stock is now rolling in, and first ear-marks of a glut are now with us. Prices have declined rapidly and it is now a question of disposing of the stock at some figure, without regard to value. Memorial Day is likely to find the market very much reversed, and with stock scarce; but, of course, there are things over which we have no control. Business is very much on the quiet side with all the store men.

E. G. G.

PHILADELPHIA.—This week there is an abundance of all kinds of cut flowers; everything is in excess of the demand. Yet conditions are not nearly so bad as we have seen at this time of year, for much of the stock is moving fairly well; of course, at low prices. In fact in many things the price is the buyer's offer, it being difficult to obtain any set figure after the very choice stock is gone.

Roses, especially American Beauty, are not quite so abundant as they were last week.

Sweet peas can now be had in all colors. Much of the stock is poor, being short in stem and with no foliage.

Carnations are a complete glut and moving very slowly. From present indications the streets will be lively with flower sellers on Saturday, as even now much stock is being sold at $5.00 per 1000. Some dealers hold out for more, but the majority contend it is better to move the stock than let it accumulate.

Peonies are coming in in quantities and selling fairly well; so far, the early dark red is the principal variety.

All kinds of flowers are certainly of much better quality than usually seen at this time of year. This is no doubt accounted for by the cool nights. A few roses show that the fires are out. Many growers claim this is a mistake. Keep the chill off the houses, as there is some business yet in sight for another six weeks at least.

DAVID RUST.

PITTSBURG.—The weather has been fair and warm during the past week, but rain is badly needed for young stock that is placed out. The bedding plant growers are out in force filling up all available space around the markets with plants of good quality, which are selling fairly well at about last year's prices. Geraniums and cannas are most in demand. Boston ferns sell remarkably well; good-sized plants were scarce for some months, only a few growers having much stock.

In the cut flower line things have been rather slow; too much stock has accumulated and prices were changeable. Not much change is expected until toward Memorial Day. Stock is of a fair quality. In roses, Queen of Edgely and American Beauty seem abundant.

W. F. Kasting, of Buffalo, N. Y., spent a few days in the city; Geo. Huscroft, of Steubenville, Ohio, was also in town.

E. C. R.

ST. PAUL.—The Spring here is one of the most backward on record. Cold, damp weather has retarded all growth, and at this writing (May 12) the trees are not yet in full leaf. However discouraging this may appear, there is hope in the thought that little or no damage has been wrought to fruit and outside vegetation, such as is reported from other less favored sections.

Notwithstanding these adverse conditions, trade has been fairly good. Cut flowers have been in demand for funeral purposes, while the season for planting seeds, bulbs, hardy stock, perennials, etc., has been long drawn out and very good. Stock is becoming more plentiful each day, a few hours of sunshine now and then seeming to bring out a great abundance of bloom. A great many flowers, however, are short-stemmed and second class. Strictly first-class, high-grade stock is not plentiful. Carnations all seem to be "off crop" and have been for several weeks.

The trade in bedding plants has not yet begun. The growers all have good stocks, and when trade does open a good demand is anticipated. Swanson is still cutting lots of tulips and other bulbous stock, and his store is at all times a blaze of color.

L. L. May & Co. have had a fine trade in seeds and plants in connection with their cut flower business, employing extra clerks to wait on their customers.

The Ladies' Auxiliary, which conducted the flower show so successfully last season, has decided to hold another exhibition this year, November 10 to 13. A. S. Swanson and E. F. Lemke have been appointed a committee to arrange the premium list, which will aggregate $500.00 or more, and everyone is requested to help the good work along. Mrs. H. P. Moss, 313 Laurel avenue, is the secretary, to whom applications for space, entry blanks, etc., should be made.

VERITAS.

INDIANAPOLIS, IND.—Prices [illegible] kept up steadily, but still cannot get rid of the enormous supply of roses, carnations, etc., now at hand. Bride and Bridesmaid, second and short [illegible] can be had in unlimited numbers at the buyers' price, 1c. to 5c. is the wholesale figure for No. 1 Bridesmaid, Bride and Sunrise, [illegible] to $1.00 is obtained for them at retail. Liberty sell at [illegible] to [illegible] with but a very limited demand. American Beauty are still going slowly. They vary in price from $2.00 to [illegible] per 100; at retail they sell from $2.00 to [illegible] per dozen. Even at the above low prices many of them are consigned to the waste heap. Good carnations sell wholesale at $1.00 to $2.00 per 100, second grade stock may be had for 75c. or $1.00, [illegible] is the average retail price. Sweet peas are very plentiful at 75c. to $1.00 per 100 wholesale. They are put up in bunches of twenty five, which sell for a quarter. Pink peas are more plentiful and cheaper than white ones. Violets are still on the market; quite a few have been used in funeral work lately.

Bedding stock of all kinds is selling exceedingly well; 5-inch red geraniums at $1.50 per dozen, retail, in large numbers, 4-inch moon and cobaea vines at $2.00 per dozen are also in strong demand. Four-inch salvias are quoted at $1.50 per dozen; 5-inch at $2.00 per dozen; cannas and caladiums in 6-inch pots sell at $2.50 per dozen. So many of the growers are so absorbed in growing carnations, etc., for the wholesale market that plants are nearly forgotten about till planting time arrives, with the usual shortage in all kinds of bedding material.

I. B.

Philadelphia.

News of the Week.

Business in bedding plants is now starting up better, but large growers report that orders are mostly small. Blocks of plants are not yet moving right; many growers cannot get their plants in bloom properly. Several geraniums are very backward.

C. Eisele is now doing a good business shipping small plants. He has a large stock, among it many things very useful for growing on, such as clematis of all the popular varieties, bouvardias in all colors, ivies, abutilons, carnations, etc. He also grows a large quantity of bedding plants and climbing vines such as moonvines, cobæas, etc. Among the large stock was noticed a very good dwarf double nasturtiam, with flowers about ¾-inch in diameter, of a lemon yellow color. The plants are of sturdy growth and bloom freely all Summer. Another novelty from Germany is named in German, "four-leaved clover," but this is an oxalis, producing from a bulb stalks with four leaves and also bearing small pink flowers. It is a novelty, and as such should find ready sale.

The committee to select a bowling team to go to Milwaukee has had two meetings. So far the plan outlined is to have 21 games, 18 of these to be played on neutral alleys, the last three on the home alleys, each contestant winning a place to have one point per game; ties for seventh place to have half a point. The first game will start June 3, provided the club approves of the plan at its meeting on June 2.

Edwin Lonsdale and Wm. K. Harris are both cutting and sending in good peonies.

Leo Niessen is receiving some splendid tulips from Jurgens, of Newport, R. I. One, a clear yellow, is very good and sells well.

Thomas Foulds brings to the Flower Market a quantity of double white petunias. Some of the flowers measure three inches in diameter. They sell quickly for funeral work. The variety is a seedling of his own raising.

DAVID RUST.

Birmingham, Ala.

At a recent meeting of the stockholders of the Lindsay Floral Company William M. Lindsay was elected president and general manager, and T. Byron, superintendent of the gas department of the Birmingham Railway, Light and Power Company, was elected secretary-treasurer. Two and a half acres under glass will be devoted to growing cut flowers and decorative plants.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.
WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective in doors or out for exterminat[illegible] all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for [illegible] you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

COLEUS Verschaffeltii, Golden Bedder and other good sorts, fine plants, no cuttings have been removed, from 2½ in. pots, $2.00 per 100 $17.00 per 1000. 100 **Begonia Vernon**, 2½ in. pots, in bloom, $2.00.

Cash with order. **MRS. M. CAVANAUGH, Ionia, N.Y.**

J. D. THOMPSON CARNATION CO.

Carnation Specialists

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CARNATIONS, Rooted Cuttings

We are receiving orders now for the New Carnations of 1903; also for the New and Standard sorts. Send for Descriptive Price List.

WM. SWAYNE, Kennett Square, Pa.
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Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

CARNATIONS Fine Healthy Rooted Cuttinos

	Per 100	per 1000
Mrs. T. W. Lawson	$2 50	$22 00
Hill Sport	1 50	12 50
G. H. Crane	2 00	17 50
Gov. Roosevelt	2 00	17 50
Norway	1 50	
Mrs. Bradt	3 00	
J. H. Manley	5 00	

Cash with order, please.

CHAS. T. DARLING, Stony Brook, N. Y.

100,000 Unrooted Carnation Cuttings

	Per 100	Per 1000
Governor Wolcott, white	$2 00	$20 00
Alba, white	2 00	20 00
Golden Beauty, yellow	2 00	20 00
Stella, variegated	2 00	20 00
Apollo, scarlet	2 00	20 00
Norway, white	1 00	7 50
Governor Roosevelt, crimson	1 00	7 50
General Maceo, maroon	1 00	7 50
Dorothy, pink	1 00	7 50
Eldorado, yellow	80	5 00
Gold Nugget, yellow	1 00	7 50

Grown cool. Express paid at above figures. Cash

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

CARNATIONS

From 2-Inch Pots.

TO CLOSE OUT.

		Per 100
1000	**Mrs. Theodore Roosevelt**	$12 00
250	**Golden Beauty**	6 00
250	**Viola Allen**	6 00
1000	**Harry Fenn**	6 00
500	**Prosperity**	6 00
1000	**Alpine Glow**	10 00
250	**Challenger**	6 00
250	**Gaiety**	6 00
250	**Her Majesty**	10 00
500	**Marshall Field**	10 00
500	**May Naylor**	10 00
100	**Governor Lowndes**	12 00
200	**Penelope**	8 00
500	**Floriana**	3 00

THE COTTAGE GARDENS, Queens L. I., N. Y.

CHRYSANTHEMUMS

WELL ROOTED CUTTINGS

In following varieties. Stock guaranteed or money refunded. $12.00 per 1000.

Eaton, Niveus, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, J. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean.

Plants from 2 in. pots, $20.00 per 1000.

CASH WITH ORDER.

L. I. NEFF, Pittsburg, Pa.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100
500 Mme. Crozy Cannas, 3 in	$5 00
500 Mixed Cannas, 3 in	5 00
700 S. A. Nutt Geraniums, 3 in	4 00
" " " 4 in	6 00
Heliotrope, 3 in. pots	3 00
Petunias, grown from Dreer's Double Seed	3 00
Achyranthes, 2½ in. pots	2 50

Cash With Order.

WM. KEIR, Pikesville, Md.

CHRYSANTHEMUMS

Fine rooted cuttings of the following varieties: **Halliday, Willowbrook, T. Eaton, Col. D. Appleton, Rieman, Lincoln, Hayes, Ivory Pink and White, M. Dean, W. Molatsch, J. Shrimpton, Robinson** and **Adrian**, at $1.50 per 100; **J. R. Weir**, 50c each, $4.00 per doz., $25.00 per 100. Cash with order. Address

H. A. MOLATSCH, 68th St., 9th Ave. Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

CANNAS

Started, $2.00 per 100; in pots, $5.00 per 100. Henderson, J. D. Eisele, Berat, Duke of Marlboro, Alsace, Allemania, Austria and Robusta.

GERANIUMS, Mme. Salleroi, in 2½ inch pots, $2.50 per 100. Also all standard varieties of Geraniums, 3 inch, $5.00; 3½ in., $6.00; 4 in., $7.00 per 100.

Cash with order.

J. B. SHURTLEFF & SON, Revere, Mass.
Telephone, 56-6. Cushman Avenue.

ROSES

American Beauty

strictly first-class in every respect and as fine stock as we have ever offered. 2¼ inch, $6.00 per 100; $55.00 per 1000.

Bride and Bridesmaid

2¼ inch, $3.00 per 100, $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in. Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

We have a fine stock of rooted cuttings of Chrysanthemums, which we offer at one-half the above listed prices.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

'MUMS

Bonnaffon, Glory of Pacific, Pink Ivory, Halliday, Whilldin, Eagan, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, $1.00 per 100. Prepaid for 10 cts. extra.

Ageratum, Gurney, P. Pauline and Best White, 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Umbrella Plants, nice short, 2 in., at $1.50 per 100.

Salvia, Bonfire, Splendens, 2 others, R. C., 75c. per 100.

Salvia Splendens, 2 in, 2c.

Cobæa Scandens, 3 in. 4c.

Smilax Seedlings, 25c. per 100.

Cuphea (Cigar Plant), R. C., 40c. per 100. Cash. Rooted cuttings prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing

VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00

Healthy Stock CARNATIONS From 2 in. Pots

	Per 100
Harry Fenn, J. H. Manley, Cressbrook, Golden Beauty	$6.00
Lorna, Prosperity, Mrs. G. M. Bradt	4.50
Dorothy, Gold Nugget	4.00
Armazindy, Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, White Cloud, Frances Joost	3.00
Jahn's Scarlet	2.50

Strong Plants CANNAS From 3½ in. Pots

Alphonse Bouvier, Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos S. Ware $6.00 per 100.

Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres Cleveland, Papa Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy, Tarrytown, price $8.00 per 100.

For dormant tubers see page 533 issue May 9th.

Own Root ROSES Strong Stock

Bride, Bridesmaid, Golden Gate, Souv. de Wootton.

Own Roots fine stock, $4 per 100; $38 per 1000

Strong Grafted Stock, April Delivery. From 2¼ in. pots.	**Bride, Bridesmaid, Golden Gate**, $12.00 per 100. **Liberty**, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2½ in. pots.

Adula, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, G. W. Childs, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L. Park, Nagoya, Polly Rose, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100; $35.00 per 1000. Ada Spaulding, H. W. Reiman, J. A. Lager, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Marg. Graham, Mme. F. Bergmann, Nivens, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

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Ready for Immediate Sale.

	Size Pots	Per 100
Anthemis, Double Golden Marguerite	2¼ in.	$3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney	3	5.00
	2¼	3.00
Cuphea, Platycentra	2¼	3.00
Coleus, all the leading varieties	3	4.00
" " " "	2¼	3.00
Cannas, varieties as above list		$6.00 and 8.00
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	4.00
" " " "	3½	8.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	4.00
" " " strong	4	10.00
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
" " " "	3½	5.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00
Vinca Variegata and Elegans	3	4.00
" " " "	4	10.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing

THE AMERICAN CARNATION.

Ready. Write for sample pages.

Price, $3.50.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

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Out of 2 in. pots.

"As tender as Spring chickens."

Mrs. Jerome Jones, best white; **Mrs. Henry Robinson**, best early white; **John K. Shaw**, best early pink; Appleton, best yellow, $2.50 per 100; $22.50 per 1000. CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

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20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

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CHRYSANTHEMUMS

Rooted Cuttings.

G. Kalb, Polly Rose, Ivory (pink and white), Glory of the Pacific, Mrs. Murdock, F. R. Hayes, Merry Monarch (white and yellow), M Henderson, R. Halliday, W. Molatsch, Bonnaffon, Appleton, Rieman, $1.25 per 100; $10.00 per 1000. T. Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica Post Office, Woodhaven Station

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS, standard varieties, 2½ in., $2.50 per 100.

ASPARAGUS PLUMOSUS, Nanus, 2 in., $4.00 per 100; $35.00 per 1000.

FUCHSIAS, Little Beauty, 2 in., $3.00 per 100.

GERANIUMS, Mme. Salleroi, 3 in., $4.00 per 100.

COLEUS, in variety, 2½ in., $2.50 per 100.

BOSTON FERNS, 2½ in., $50.00 per 1000.

BOSTON FERNS, runners, strong, $35.00 per 1000.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.
302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

THE QUEEN

THE MOST PROLIFIC WHITE CARNATION TO DATE, bearing a 3 to 3½-inch bloom on a long rigid stem. A fine keeper and shipper. The calyx never bursts, and no poor flowers. Prices, 100, $10.00; 250, $22.50; 500, $37.50; 1000, $75.00. FOR SALE BY

LITTLE SOUTH FLORAL CO.
SOUTH NATICK, MASS.

S. J. GODDARD
FRAMINGHAM, MASS.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

he Philadelphia Wholesale Flower Market
1224 CHERRY STREET, PHILADELPHIA.
WE ARE HEADQUARTERS FOR GOOD
Bride, Bridesmaid and American Beauty Roses
Mention the Florists' Exchange when writing.

NATIONAL FLORISTS' BOARD OF TRADE OFFICE REMOVED TO
'allace Building (ROOMS 601-603) **56 Pine St., N. Y. City**
NEW MANAGEMENT.
HARRIS H. HAYDEN (Late Manager of the Nepera Chemical Company), - - President
WILLIAM A. MOORE (Assistant District Attorney for Westchester Co., N. Y.), Vice-President
JOHN E. WALKER (Member of the New York Bar), - - - - Secretary and Treasurer
Improved facilities for making collections in all parts of the United States, Canada and Europe. Re-
le reports secured at short notice. Service prompt, trustworthy and efficient. Give us a trial.
Mention the Florists' Exchange when writing.

Detroit.

ıb Meeting.

The last meeting of the club was d on Wednesday, May 6, and was nost enjoyable one, for we had with Messrs. Scott and Vesey, who were re for the meeting of the board of ectors of the American Carnation Soty.

ne of the good things decided most thusiastically was to extend an in-ation to all the Eastern delegates o can avail themselves of the oppor-ity to join us from here on their y to the Milwaukee convention. The st of the trains from the East are in the morning, and the delegates ıld spend the day with us and leave re on the Grand Trunk at 5 p.m. for and Haven, then take the boat at 11 n., arriving in Milwaukee at 6 a.m. Tuesday. The Grand Trunk is the ly railroad running boats across Lake chigan (the Crosby line, consisting five steamers), thus doing away with long, dusty car ride by way of Chigo, and also giving our local men the asure of a day's visit with the travrs.

After the business was finished ssrs. Scott and Vesey entertained the ıb, as only they can; and now when meet one of the boys he will smile d if asked "What are you smiling ?" his reply is, "Oh, one of Scott's ries;" or "Judge Vesey's dignity." ay we have many more such visits is wish of RAG.

Montclair, N. J.

. D. Rose has been confined to his m by a serious cold, but has directed business from his sick bed. The mand for white carnations has been excess of his cut. The new house, 18 feet, will be ready for benching a few weeks. He had a prosperous ster trade, and is competing now for e landscape work for which Montir has been so prominent.

. Carswell, formerly foreman for A. Rose, now superintendent for Mrs. H. Houstar, Philadelphia, is the oud papa of a nine-pound baby boy. ther and child are doing well.

A social event, in the double wedding the Misses Armitage at St. Luke's urch, attracted attention by the steful decorations of A. S. Wallace. e church, of cruciform shape, has the oir screen quite up to the trancept. bank of short palms concealed the ver woodwork, the sides of the enance receiving treatment only of clus-s of Lilium Harrisii with long white bon streamers. The altar was a mass Lilium Harrisii, with a background tall palms; and as viewed through e choir screen over the foreground of orter palms, was very effective.

J. B. D.

Tarrytown, N. Y

The regular meeting of the Tarry-wn Horticultural Society was held on ril 30, President David McFarlane in e chair. The following were proposed r active membership: Alex. McLenn, Scarborough; James Taxter, Glenle; John Dervan, Glenwood; and A. Minnerly, Tarrytown.

Mr. Scott's prize was awarded to ward Nichols, of Glenwood, for two ts of calceolarias. James Smith, of hite Plains, received honorable menn for a vase of Heuchera alba; and seph Bradley a similar award for a se of Tritonia Crookeri.

The rose and strawberry show will be ld in the Lyceum, July 11, and will be e to all. Mrs. L. A. Martin, of Greench, donates a very handsome combition writing tablet and album as a ize for this exhibition. H. J. R.

Foley Floral Fotographs
Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.
226-226½ BOWERY, NEW YORK
Mention the Florists' Exchange when writing.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25.
MANUFACTURED BY
W. J. COWEE, Berlin, N. Y.
Samples Free. For sale by dealers.
Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.
Wax Flowers, Floral Designs, Florists' Supplies.
Mention the Florists' Exchange when writing.

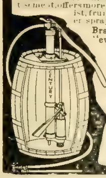
GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of
A1 SHEEP MANURE,
☞Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**
Mention the Florists' Exchange when writing.

"THRIPSCIDE"
(REGISTERED)
GREENHOUSE FUMIGATING POWDER
is the newest and best article on the market to day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:
1 lb. Tin Can ...$0.25 | 25 lb. Sealed Box $4.50
5 " " ... 1.00 | 100 " " " 10.50
Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.
Prepared by The Lilly-Lilly Chemical Co. and sold by
E. H. HUNT
76-78 WABASH AVE., CHICAGO
Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION
Ready for delivery.
Price $3.50 carriage paid. See full page advertisement in this issue.
THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y

Optis Trifolia
Will make a beautiful Wreath for Memorial Day. Order now.
$1.00 per 1000 leaves.
OAKHILL GREENHOUSES,
North Chelmsford, Mass.
Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX
Where quality is first consideration, write, wire or phone the introducers,
CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.
Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. MCCULLOUGH'S SONS, Cincinnati, Ohio.
Mention the Florists' Exchange when writing.

The Century Sprayer
a small cut of which is shown in this advertisement, offers more advantages to the orchardist, fruit grower, etc., than any other spraying outfit on the market.


Brass cylinder, brass valves, "everlasting" fabric plunger packing and the only thoroughly reliable agitator.
Cylinder 2½ ins., stroke 5 ins. Then, too, it sells at a lower price than other good pumps. Send for handsome free catalogue, showing full line of pumps and twenty varieties of sprayers.
THE DEMING CO., Salem, O.
Western Agents—Henion & Hubbell, Chicago, Ill.
Mention the Florists' Exchange when writing.

Printing . .
We are outfitted to do everything in this line required by the florist, the seedsman and the nurseryman, from an envelope to the most stylish kind of a catalogue. Write us.
A. T. De La Mare Ptg. & Pub. Co.
LIMITED,
RHINELANDER BUILDING,
NEW YORK.

EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.
Tel. 28 A. **SHORT HILLS, N. J.**
Mention the Florists' Exchange when writing.

Berberis Oregonium
Mahonia.
Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, charges paid, for $1.00.
J. H. HOWE, Florist, 1433 34th Ave., So. SEATTLE, WASH.
Mention the Florists' Exchange when writing.

GALAX
Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000. Green Sheet Moss, fresh stock, $2.50 per bbl. sack. Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.
L. J. KRESHOVER, 110-112 W. 27th St., New York.
Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

New Crop Dagger Ferns now ready, $1.50 per 1000. Fine lot of **Fancy Ferns**, $1.50 per 1000. **Galax**, Bronze or Green, 75c. per 1000. **Moss**, 50c. per bbl. sack. **Laurel Festooning**, No. 1 quality, fresh every day, 4c., 5c. and 6c. per yard. **Laurel Wreaths** and **Pine Wreaths**, just what you want for Memorial Day trade. Order them now, and your **Ferns** and you will be sure to get the best to be had when you want them, and on time. **Ground Pine** by the pound if wanted.

CROWL FERN CO
MILLINGTON, MASS.
Telegraph Office: NEW SALEM, MASS.
Long Distance Telephone Connections.
Mention the Florists' Exchange when writing.

A. J. FELLOURIS
Wholesale and Retail Dealer
IN ALL KINDS OF

Evergreens
GALAX
Bronze and Green
$1.00 per 1000.

FERNS FANCY, $1.50 per 1000.
DAGGER, $1.00 per 1000
468 SIXTH AVENUE,
Bet. 28th and 29th Sts. NEW YORK.
Telephone, 1431 Madison Square.
Mention the Florists' Exchange when writing.

DAGGER FERNS
FOR MEMORIAL DAY
Order direct from Headquarters. New Crop, $1.50 per 1000.
We would respectfully inform the trade that our new crop DAGGER FERNS are now ready and are A No. 1 quality. Be sure and order them early to avoid disappointment. We carry a full assortment of FLORISTS' HARDY SUPPLIES, as follows:
Galax, $1.00 per 1000; Leucothoe Sprays, Hardy Ferns, Moss, Bouquet Green, Laurel Festooning, 5 and 6 cts. per yard; Bundle Laurel, Etc.
Extra Choice Ferns, $2.00 per 1000.
Your Orders are Solicited and will have our Best Attention.
HENRY M. ROBINSON & CO., 36 COURT SQ., BOSTON, MASS.
NOTICE: We will remove June 1st to 11 Province St., opposite City Hall.
Mention the Florists' Exchange when writing.

SWEET PEAS, VALLEY, SAMUEL S. PENNOCK
1612-14-16-18 Ludlow St., Philadelphia
ORCHIDS
For Commencements and June Wedding
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line when set solid without display).

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

FLORIST (29), single, German, desires position. A1 references; store or private. Understands his business. 325 Washington St., Hoboken, N. J.

SITUATION WANTED by two expert designers and decorators in a retail store for the summer; at liberty June 1. Apply C. care of F. J. Norton, 61 Massachusetts Avenue, Boston, Mass.

WANTED, position as florist, private or commercial, by married man; sober, honest, and willing. Age 36; 20 years' experience outdoors and under glass. Good references. George Phyfe, Madison, N. J.

SITUATION wanted, as working foreman, by first-class rose-grower on a place where roses are grown as a specialty. Only first-class place wanted; No. 1 references. Address S. C., care Florists' Exchange.

SITUATION wanted by young man, gardener and florist; single, sober, honest and obliging. Can take care of horse, cow, etc. Generally useful. Mention wages. H. A. Bradt, Morristown, N. J.

HELP WANTED

WANTED, experienced rose grower, married man preferred. S. J. Reuter, Westerly, R. I.

PORTER WANTED, WHO CAN PACK, MARK AND ATTEND TO SHIPPING. W. ELLIOTT & SONS, NEW YORK.

WANTED, single man who has had some experience in rose growing. Address or call, F. C. Schweinfurth, Bronxville, N. Y.

WANTED, one good man for palms and ferns, also one good general greenhouse man. Mrs. E. A. Williams, 621 Penn Ave., Pittsburg, Pa.

WANTED, young man for general greenhouse and garden work; German preferred. $9.00 per week. Address K. E. Juul, 27 Broad St., Elizabeth, N. J.

SEVERAL good all-around greenhouse men wanted. Steady positions assured if satisfactory. References required. E. C. McFadden, Short Hills, N. J.

WANTED working foreman on commercial place, also an assistant. Must be A1 grower of roses. State wages wanted, with cottage; references, etc. C. A. Work, Madison, N. J.

WANTED at once, all-around florist; one who thoroughly understands his business. Steady position to the right man. A. L. Miller, Jamaica Ave., opposite Schenk Ave., Brooklyn, N. Y.

WANTED at once, experienced young man, must be good designer, decorator and salesman, and assist in greenhouse, sober, honest, and willing to work. State wages expected and where last employed. Mrs. W. A. Bock, North Cambridge, Mass.

WANTED.

Seed Assistant, with knowledge of general work in seed store. Permanent position. Apply, stating experience and salary expected, to X. Y. C., care Florists' Exchange.

HELP WANTED

WANTED, one landscape gardener; one greenhouse gardener; well up in these businesses. No other need apply. From $14.00 to $15.00 per week will be paid. W. G. Eisele, West End, N. J.

BUSINESS OPPORTUNITIES

FOR RENT CHEAP—Small commercial place, immediate possession; write for particulars. Hannah Baeppler, Florist, East Hackensack, N. J.

STORE on fine avenue of New York, established 5 years, to be sold at a bargain. A gold mine for the right party. Address Humpfner & Co., 259 3d Ave., New York.

FOR SALE, 11 greenhouses; 30,000 carnations, 30,000 chrysanthemums. Must be sold at once; bargain to quick buyer. Apply to Geo. O. Fowler, Whitestone, L. I., N. Y.

FOR SALE OR RENT—1200 sq. ft. of glass, heated by 2 No. 17 and 2 No. 16 Hitchings boilers. Call on the place. No correspondence. P. Boyle, 116 Mountain House Rd., S. Orange, N. J., Mountain Station.

FOR SALE, well-paying florist establishment at Grandview-on-Hudson, N. Y. Three greenhouses 20x130; seven acres land; nine-room residence; everything in fine condition. Address S. F., care Florists' Exchange.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses; modern heating system; hot beds; potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

ON ACCOUNT of poor health I wish to lease my greenhouse establishment for a term of years; about 20,000 ft. of glass; established in 1860 and has been run continuously ever since. Steam heat; city water; everything convenient. One mile from City Hall in city of 125,000. Possession June 10, 1903. Enquire Chas. D. Thayer, Proprietor, 8 Ripley St., Worcester, Mass.

FOR SALE—Modern plant of 10 greenhouses, about 25,000 ft. of glass; with land, stock, fixtures, and good will of business; 30 years established and under one management, but completely rebuilt in last 10 years. Entire products sold retail; the largest place of kind in New Hampshire. Relief from business cares reason for selling. Books open. Ellis Bros., Keene, N. H.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant consisting of eight greenhouses, ranging in size from 12x100 to 30x130, also work shed and modern up-to-date office and store room attached. For particulars address

S. S. SKIDELSKY,
708 No. 16th St., Philadelphia.

A RARE BUSINESS OPPORTUNITY.—OLD AND WELL-ESTABLISHED FLORIST BUSINESS FOR SALE: 50,000 FT. OF GLASS (IN TWO PLACES—35,000 FT. IN ONE, 15,000 FT. IN THE OTHER, THE LATTER ON LEASED GROUND, LONG LEASE); WELL STOCKED AND IN GOOD CONDITION; ALSO RETAIL STORE IN BUSINESS PORTION OF CITY, WITH A WELL-ESTABLISHED, PROFITABLE TRADE. WOULD PREFER TO SELL THE STORE AND THE SMALLER PLANT, AND KEEP THE LARGER AND GROW ANYTHING THAT WOULD BE NEEDED TO SUPPLY STORE. THIS IS AN OPPORTUNITY FOR A GOOD STORE MAN AND A GROWER TO MUTUALLY ACQUIRE ON FAVORABLE TERMS A DESIRABLE PLANT AND STORE WITH A LARGE AND FIRST-CLASS TRADE. THIS IS A PROPOSITION THAT WILL BEAR CAREFUL INVESTIGATION; BEST REASONS FOR SELLING. SCHLURAFF FLORAL CO., ERIE, PA.

AMERICAN BRAND
FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN—EMBOSSED—VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.
Mention the Florists' Exchange when writing.

FIRMS WHO ARE BUILDING.

MADISON, N. J.—Robert Schultz will build more greenhouses.

HOUGHTON, MICH.—The Lutey Floral Company will construct a two-story building on Sheldon street. The building is to be of brick veneer, 25 feet wide and 50 feet deep. The first floor will be devoted to a salesroom for the floral company and the second floor will be designed as a five-room flat. In the basement will be a department for the growing of mushrooms, etc.

WORCESTER, MASS.—H. T. Littlefield is building a greenhouse, 125 feet in length.

BATAVIA, N. Y.—O. Williams is building a new greenhouse.

SOUTH FRAMINGHAM, MASS.—Hitchings & Co., New York, are erecting for J. T. Butterworth a greenhouse 105x36 feet.

BUSINESS OPPORTUNITIES

FOR SALE

A Well-Paying Business Opportunity
Will Sell our Retail Store

It is a first-class store; well-stocked; centrally located and enjoys a large and excellent patronage.

Reason: Will grow flowers for the wholesale trade.

Address
HOFFMEISTER FLORAL CO.
813 Elm Street, Cincinnati, Ohio
Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED, 1000 Queen Louise, 1000 Daybreak cuttings from soil or pots. H. H. Battles, Newtown Square, Pa.

WANTED

1000 Queen Louise Carnations, out of 2 in. or 2½ in. pots, well rooted. Send sample and price quick.

Stafford Floral Co., Stafford Springs, Conn
Mention the Florists' Exchange when writing.

MISCELLANEOUS

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

Large Boiler For Sale

Bundy boiler, nine sections, used two seasons, fine order. Price $150.00, f.o.b.; about one-third price of new. Apply to

JOHN WALSH, Manager Boston Flower Market,
Columbus Ave., BOSTON, MASS.

SPECIAL NOTICE.—We will give 5 per cent. discount on all orders placed with us within the next 15 days, on delivery within this time or 60 days after, so as to avoid the rush after Decoration Day. This discount includes boilers, second-hand pipe, engines, and hose, and excludes glass and new pipe; 5000 ft. special new job lot hose, will stand 125-lb. pressure, $5.10 per 100 ft. This price holds good to May 30th only. One No. 16 Hitchings boiler, guaranteed in good order, $50.00. One No. 10 Rider engine, almost new, $135.00. One Rider No. 6, $110.00, one Ericsson No. 8, $80.00; one Ericsson No. 6, $60.00. These engines are guaranteed in good working order. One Aquarium fountain, $12.00, cost new $65.00; 400 boxes 10x12, 10x14 glass, not quite up to double-thick standard, $3.00 per box, for one week only. New 2-in. wrought iron pipe, 10c. per ft. Second-hand, 2-in., 8c. per ft.; 1½-in., 5c. per ft.; 1¼-in., 4½c. per ft.; 1-in., 3¼c. per ft.; ¾-in., 3c. per ft. Write for prices on all kinds of tools and lumber. MANHATTAN SUPPLY CO., 440-442 11th Ave., N. Y.

FOR SALE

Several thousand square feet of **Slate** in perfect condition and very smooth; just the thing for greenhouse benches. Size 13x26 inches, ⅝ in. thick. Cost when new, 24c. each. Will sell for 15c. each, f.o.b. Will bear a weight of 200 lbs. in the middle when supported at each end. Write for prices on large quantities.

Edwards Floral Hall Co., Atlantic City, N. J.
Mention the Florists' Exchange when writing.

FLATBUSH, N. Y.—On Thursday evening May 7, the following scores were rolled:

	1	2	3
L. Schmutz	127	139	1
P. Dailledouze	123	106	1
C. Wocker	136	149	1
P. Riley	166	141	1
E. Dailledouze		153	1
S. S. Butterfield	198	124	1

Henry Dailledouze has a lame wri that prevents him from using th wooden sphere just now.

WASHINGTON, D. C.—Undernote are the scores made by our bowle on April 29:

	1	2	3	To
George Cooke	171	156	151	4
C. L. Barber	101	133	137	3
C. L. Barber, Jr.	135	149	162	4
J. Stine	130	134	158	4
Willie Clark	132	115	171	4
Oehmler	134	151	172	4
	803	838	951	2,5

	1	2	3	To
W. H. Ernest	167	152	152	4
W. S. Clark	101	144	141	3
J. Minder	99	119	133	3
C. Wolf	168	101	139	4
A. Esch	175	123	113	4
F. Miller	89	98	121	3
	799	737	799	2,3

BOSTON.—On Wednesday of last we the Cohasset bowling team paid anoth visit to Boston and secured another vi tory over the florists' team after a clo and well-contested match. Candlepi were rolled. The scores were:

COHASSET.

	1	2	3	Tot
Mapes	87	75	78	2
McElroy	85	75	95	2
Enos	94	81	87	2
Sullivan	78	90	82	2
Stewart	84	92	72	2
Totals	428	413	414	1,2

BOSTON FLORISTS.

	1	2	3	Tot
Gilson	81	83	80	2
Barrett	67	69	89	2
Harrigan	69	97	80	2
Coleman	100	78	91	2
Norton	81	100	72	2
Totals	398	427	412	1,2

A German supper was provided aft the game. The presence of Ching Win, the Chinese mascot of the Cohasset tear accounted for the visitors' victory.

F. J. N.

CHICAGO.—The Chicago Carnatic Company bowling team played the Mc Kellar & Winterson team on the latter home alleys and met defeat, as the following score will indicate. After the gam the visiting team was tendered a banqu by the victors at which a good time wa had.

CHICAGO CARNATION CO.

	1	2	3	Total
Paul Spain	114	185	177	47
A. Oberman	156	130	129	41
J. Hartshorne	154	127	131	41
P. Olsen	151	176	152	47
W. Wickendahl	130	104	110	34
L. Heitman	127	176	166	46
Totals	832	898	865	2,59

McKELLAR & WINTERSON.

	1	2	3	Total
C. W. McKellar	139	156	156	451
J. Sterrett	172	208	200	580
S. H. Winterson	154	149	151	454
A. Newett	152	138	156	446
C. Prunner	169	164	156	489
E. F. Winterson	175	161	134	470
Totals	961	976	953	2,890

ROBERT JOHNSTONE.

NORTH ABINGTON, MASS.—Tribo & Merrill are making improvements an additions to their greenhouses.

THE AMERICAN CARNATION
Now on press. Write for particulars.
Price, $3.50.
THE FLORISTS' EXCHANGE, 2 Duane St., N.

BONNOT BROS.
holesale Florists
55 and 57 W. 26th St., New York
COOGAN BUILDING
ignments of First-Class Stock Solicited
Telephone: 2438 Madison Square

. E. BRADSHAW JOHN R. HARTMAN
RADSHAW & HARTMAN
Wholesale Florists
West 28th Street, NEW YORK
Telephone, 1797 Madison Square
CONSIGNMENT SOLICITED

JT FLOWER EXCHANGE
oogan Building, 6th Ave. and 26th St.
NEW YORK
n every Morning at 6 o'clock for the Sale of Cut Flowers
his is not a commission house; the market consists of individual stands
all Space for advertising purposes to Rent
DONALDSON, Secretary

JAMES McMANUS, Telephone, 759 Madison Square **50 W. 30th St., New York**
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

THE PIONEER
J. J. PERKINS, Wholesale Florist
Specialties **ROSES-CARNATIONS-VIOLETS**
115 West 30th Street, New York
TELEPHONE 956 MAD. SQUARE
Branch Store:
48 West 30th St., N. Y.
R. W. PERKINS, MANAGER
Shipping Orders attended to Promptly. Consignments of good stock can always be handled; quick returns GUARANTEED. Established 1872.

MOORE, HENTZ & NASH
WHOLESALE
GROWER AGENT
COMMISSION FLORISTS
55 West 26th St. New York

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
WILLIAM H. GUNTHER
30 West 29th Street, NEW YORK
Telephone Call 551 Madison Square
Violets Roses Carnations Orchids
ESTABLISHED 1888

The Pioneer House
Consignments Solicited
Tel. 167 Madison Sq.
Can Fill Out-of-Town Orders at all Times
Personal attention given all orders. Specialties: **Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at 6 o'clock every morning.
J. K. ALLEN, 106 West 28th St., **New York**

OUNG & NUGENT
..Wholesale Florists..
TTLEYAS, Am. Beauty, Liberty, Sunrise, Bride, Bridesmaid, Meteor, Golden Gate, and all other Leading Varieties of Roses.
W. 28th Street, - NEW YORK

LEX. J. GUTTMAN
Wholesale Florist
Seasonable Flowers and Novelties at Proper Prices can be had at
WEST 29th STREET, NEW YORK
TELEPHONE, 1738 MADISON SQUARE

AMES A. HAMMOND
COMMISSION DEALER IN
CUT FLOWERS
Consignments Solicited.
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Tel. 3660-3661 Main
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55 and 57 West 26th St.
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WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
TELEPHONES: { 2200 Madison Square
2201 Madison Square
57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, May 15, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	6.00 to 12.00
	" extra	5.00 to 6.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	8.00 to 12.00
	Bride, 'Maid, fancy—spc'l	3.00 to 6 00
	" extra	2.00 to 3.00
	" No. 1	1.00 to 2.00
	" No. 2	.50 to 1.00
	Golden Gate	1.00 to 6.00
	Liberty	1.00 to 10.00
	Meteor	.50 to 2.00
ADIANTUM		.35 to .75
" CROWEANUM		...... to 1.25
ASPARAGUS		25.00 to 50.00
CALLAS		3.00 to 6.00
CATTLEYAS		12.00 to 15.00
CYPRIPEDIUMS		...... to ......
DENDROBIUM FORMOSUM		...... to ......
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		.50 to .75
	STANDARD VARIETIES	White	.50 to .75
		Pink	.50 to .75
		Red	.50 to .75
		Yel. & Var.	.50 to .75
	*FANCY— (*The highest grades of standard var.)	White	1.00 to 1.25
		Pink	1.00 to 1.25
		Red	1.00 to 1.25
		Yel. & Var.	1.00 to 1.25
	NOVELTIES		1.00 to 2.00
LILIES			2.00 to 4.00
LILY OF THE VALLEY			...... to .50
NARCISSUS—Paper White			...... to .50
" —Yellow			...... to .50
MIGNONETTE—ordinary			4.00 to 5.00
" fancy			...... to ......
SMILAX			10.00 to 12.50
STOCKS, per bunch			.05 to .10
SWEET PEAS, per bunch			.02 to .05
TULIPS			...... to ......
LILAC, per bunch			.05 to .20

WALTER F. SHERIDAN
Wholesale Commission Dealer in **Cut Flowers**
Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
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TOP GRADE FOR SHIPPING
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Receiving Daily Fine
PRES. CARNOT
KAISERINS
METEORS
BEAUTIES
Etc.

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RIEDEL & CO.
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Telegraph your wants. Everything in the line of cut flowers shipped to all parts of the U. S. Send for weekly price list.
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Wholesale Florist
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1877 We Can Fill Orders for 1903

DECORATION DAY

FROM

75,000 Carnations, 30,000 Spiræas, 25,000 Stocks,
50,000 Roses, INCLUDING 5,000 AMERICAN BEAUTY.

WE can ship you better quality flowers for less money than you can obtain if you come to Boston to purchase them, besides saving you the time and expense.

We filled all orders sent us at Easter, to the entire satisfaction of our patrons.

ORDERS going a long distance will be carefully packed in wooden boxes. There is no question about the quality of flowers we send out; they are raised by the most successful growers in the country and always prove profitable to those who purchase them.

WELCH BROS.

...PROPRIETORS...
City Hall Cut Flower Market.
BOSTON, MASS.

Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

Names and Varieties	Boston May 6, 1903	Phil'delphia May 12, 1903	Baltimore May 13, 1903	Buffalo May 13, 1903	Pittsburg May 13, 1903
Roses: A. BEAUTY, fancy—special	20.00 to 25.00	25.00 to 35.00	..... to	20.00 to 25.00	16.00 to 25.00
" extra	16.00 to 20.00	16.00 to 25.00	...... to	10.00 to 15.00	8.00 to 12.00
" No. 1	8.00 to 12.00	12.00 to 16.00	15.00 to 20.00	6.00 to 8.00	4.00 to 6.00
" Culls and Ordinary	1.00 to 4.00	6.00 to 8.00	4.00 to 12.00	2.00 to 4.00	2.00 to 5.00
Queen of Edgely	2.00 to 20.00	12.00 to 32.00	...... to	...... to	...... to ......
Bride, 'Maid, fancy—special	...... to	...... to	..... to 6.00	..... to	...... to 8.00
" extra	6.00 to 8.00	8.00 to 10 00	...... to	6.00 to 8.00	...... to 6.00
" No. 1	3.00 to 4.00	5.00 to 6.00	..... to	4.00 to 5.00	2.00 to 4.00
" No. 2	1.00 to 2.00	4.00 to 5.00	..... to 3.00	2 00 to 3.00	...... to ......
Golden Gate	...... to	4.00 to 10.00	3.00 to 6.00	2.00 to 5.00	...... to ......
K. A. Victoria	3.00 to 8.00	6.00 to 10.00	3.00 to 6.00	2.00 to 8.00	3.00 to 8.00
Liberty	2.00 tc 10.00	6.00 to 20.00	2.00 to 6.00	2.00 to 8.00	3.00 to 8.00
Meteor	1.00 to 5.00	5.00 to 8.00	2.00 to 6.00	2.00 to 6 00	2.00 to 4.00
Perle	...... to	4.00 to 10.00	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to ......
Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations: Inferior grades, all colors	...... to .50	...... to	...... to 1.00	1.00 to 1.25	.50 to .75
STANDARD VARIETIES White	...... to 1.00	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00	1.00 to 1.50
Pink	...... to 1.00	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00	...... to 1 00
Red	...... to 1.00	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00	..... to 1.00
Yellow and var.	..... to 1.00	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00	...... to 1.00
*FANCY (*The highest grades of Standard var) White	...... to 1.50	4.00 to 6.00	...... to	2.50 to 3.00	1.50 to 2.00
Pink	...... to 1.50	4.00 to 6.00	...... to	2.50 to 3.00	...... to 1.50
Red	..... to 1.50	4.00 to 6.00	...... to	2.50 to 3.00	...... to 1.50
Yellow and var.	...... to 1.50	4.00 to 6.00	...... to	2.50 to 3.00	1.50 to 2.00
NOVELTIES	2.00 to 3.00	...... to	...... to	4.00 to 6 00	... .. to ......
ADIANTUM	.75 to 1.00	...... to 1.00	..... to 1,00	.60 to 1.00	..... to 1.00
ASPARAGUS	25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	10.00 to 60.00	30.00 to 50.00
CALLAS	6.00 to 8.00	...... to 12.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
DAISIES	.50 to .75	.50 to 1.50	...... to	...... to	.50 to 1.00
GALAX LEAVES	...... to .10	...... to .10	...... to .10	...... to .15	. .... to ......
HYACINTHS	...... to 2.00	...... to	...... to	1.00 to 4.00	...... to ......
LILAC	...... to	...... to	...... to	...... to	...... to ......
LILIES	6.00 to 8.00	...... to	8.00 to 10.00	8.00 to 12.50	6.00 to 8 00
LILY OF THE VALLEY	2.00 to 3.00	3.00 to 5.00	.50 to .75	3.00 to 4.00	2.00 to 4.00
MIGNONETTE—Ordinary	1.00 to 1.50	...... to 3.00	1.00 to 2.00	1.00 to 2.00	.75 to 1.00
" Fancy	...... to	..... to	...... to	3.00 to 5.00	1.50 to 2.00
NARCISSUS	...... to 1.00	...... to	...... to	.25 to 1.00	...... to ......
PANSIES	.25 to .50	...... to	.30 to .40	..... to	.25 to .50
SMILAX	..... to 15.00	...... to 15.00	10.00 to 25.00	...... to 15.00	6.00 to 12.00
STEVIA	...... to	...... to	...... to	...... to	..... to ......
SWEET PEAS	...... to .75	... .. to 1.00	...... to .50	.50 to .75	.20 to 1.00
TULIPS	...... to 2.00	...... to	...... to	1.00 to 2.00	...... to ......
VIOLETS	...... to	...... to	...... to	.25 to .30	...... to .....

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Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
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34 Hawley St., BOSTON, MASS.

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Wholesale Florists,
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
N. F. McCarthy & Co.
JOBBERS IN
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Wholesale Florists
PITTSBURG, PA.

Headquarters in Western New York
For ROSES
CARNATIONS
And all kinds of Seasonable Flowers
WM. F. KASTING
Wholesale Commission Florist
ALSO DEALER IN FLORISTS' SUPPLIES AND WIRE DESIGNS
481 Washington St. BUFFALO, N.Y.
TELEPHONE SENECA 620
GIVE US A TRIAL. WE CAN PLEASE YOU.

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Violets
1432 So. Penn Square
Telephone. Philadelphia,

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Roses and Carnations our Specialtie
Bell and Keystone Phones

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CHOICEST STOCK ALWAYS ON HAN
Telephone 1-42-26-A.

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DECORATION DAY
Peonies
Beauties
Carnations
Dagger Ferns
LEO NIESS
1217 Arch St
PHILADELPH

Mention the Florists' Exchange when writing.

Chicago.

News.

Carnation growers are busy plant- ut their carnations in the field; a many have the work well under or finished. The number planted exceed that of any former year by at many thousands.

the large rose growers are busy nting their rose houses. Wietor will start this week to plant in new range, which is nearly com- d. The same firm will soon begin rection of five houses, each 30x265 for carnations exclusively. They mplate housing the coming Fall 0 carnation plants.

H. Randall has the alterations in ew store nearly completed. He is ing a cosy office, and will have one he neatest arranged stores in the

e firm of McKellar & Winterson, esale florists, was dissolved May 03, Mr. McKellar having sold out ntire interest in the concern to E. 'interson, who assumes all the lia- es of the old firm, and will con- the business formerly conducted t as its successor. All accounts g to the firm of McKellar & Win- n should be made payable to Ed- F. Winterson, who bespeaks for elf the same liberal patronage that extended to the late firm.

sitors in town included Mr. Hud- of the Huddart Floral Co., Salt City, Utah; A. H. Philpot, Win- g, Manitoba; Harry S. Gentle, of Twin City Floral Co., Benton Har- Mich. ROBERT JOHNSTONE.

St. Louis.

Notes.

Our wholesalers complained some- t when they read in the St. Louis s in the last issue of your Chicago emporary, The American Florist, he big business done in this city cation week, of their selling out n, and of the florists never closing It was agreed among the whole- rs to close on Thursday, and most he downtown retailers also closed. se who did keep open had nothing lo. They claim the only correct s of the trade of Dedication Week recorded in The Florists' Ex- nge and The Florists' Review and n to be set right with their con- ors in regard to business and clos- on Thursday of Dedication Week.

as Dauerheim, son of one of our paper dealers, has bought out Tom son's place at Kimmswick. Mr. erheim will build four new houses Summer, for carnations. Mr. Wil- the former proprietor, has been ged as manager of the place, and grow for the St. Louis market.

W. Maas, who is with the Plant Co., in the retail department, re- s that the company's business is heavy so far this season.

me very extensive planting is going e done in the parks this season— e than ever before, especially in st and other large parks. The superintendent, whoever he may will have his hands full from the t. The new commissioner will take office on next Monday and then we know who the new superintendent be.

essen Floral Co. furnished some of swell decorations at the Planters' el the past week. The firm reports rge share of funeral work. ST. P.

Indianapolis, Ind.

Notes.

The florists in the vicinity of vn Hill Cemetery are exceedingly these days. Messrs. Pahud and edlein report the largest cemetery ness in years. It will keep them until the 30th looking after stands, s, etc.

hn Bertermann has been at Ander- Ind., helping J. A. E. Haugh judge rations which were put up for the A. R. week.

ank Soult, one of the popular mar- men, is the father of a baby boy. her and son are doing well. I. B.

Louisville, Ky.

iss Josie Schuh, who for many s was connected with the retail st business of Louisville, and for past ten years had been with F. ker & Co., died on May 10. She widely known among the craft popular with the public. The sin- sympathy of the florists is ex- led to the bereaved mother, brothers sisters. A. R. B.

Cincinnati.

News of the Week.

Richard Witterstætter was married Thursday evening, May 7, to Miss Marie Louise Dinkelinker. The happy couple left on the evening train for Chicago for a short honeymoon trip. The best wishes of the craft are extended to Dick and his fair bride.

H. M. Altick, of Dayton, O., was a caller during the week. J. R. Goldman, of Middletown, O., was also a caller. He will leave for California in the near future to try and regain his health.

At a stated meeting of the Cincinnati Florists' Society, held Saturday evening, nominations were made for a new board of directors to be elected at the annual meeting in June. Personally I should like to see an entirely new board elected, and from the younger timber in the club. I believe they would work harder than the old fellows that have held the offices year in and year out.

The morning papers state that Wm. Turner, lately discharged from the city parks, has been reinstated.

Ed Fries, of Newport, Ky., son of John Fries, was severely injured Sunday morning by his head coming in contact with a coal chute while hurrying through the boiler shed. His scalp was badly cut, requiring ten stitches. He was unconscious when found and the doctors had him on the table for over two hours dressing his wounds. At present writing he is able to be around, though still suffering pain.

E. G. GILLETT.

Cleveland.

News Jottings.

The past week has changed the weather conditions from the most disagreeable wet and cold to the finest kind of Spring days, and while it seems pleasant, it has a telling effect on stock. The quality has greatly depreciated, while the quantity surpasses the demand by a long ways. Most all our growers have finished planting carnations, but we need rain. In some places growers have had to water plants to keep them from dying.

The plant trade has not started in as yet; it is a little too early, as we can expect killing frosts until the 20th of this month.

A trip among the different growers shows that Spring plants are not as much in evidence as in former years. Those who are fortunate enough to have a good supply should remember what they paid for coal the past Winter, and then place the price in harmony with the cost of production.

Pansies seem a drug on this market, and the price, in some cases, has dropped as low as 15c. per dozen, basket included.

A. L. Vaughan, with E. H. Hunt, of Chicago, was a caller the past week.

G. W. S.

Buffalo.

Jottings.

Pleasant weather seems almost to make quiet business in the stores, as matters are but simply holding their own. Roses particularly have become plentiful, being in cases offered a bit freely at bargain prices. Some mildew is also seen.

Byrne & Slattery had the decoration for the banquet given under the auspices of the Buffalo Merchants' Exchange on Friday night last, in "greater canal" interests, at Ellicott Square club rooms.

W. F. Kasting visited Pittsburg last week.

C. S. Ford, of Philadelphia, called on Tuesday. VIDI.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
CUT FLOWERS
75 WABASH AVE., CHICAGO, ILL.
Greenhouses at Hinsdale, Ill.
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Wholesale Florists
RICHMOND, IND.

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For CUT FLOWERS, SEEDS, BULBS and SUPPLIES for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.
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E. C. AMLING
The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
House in Chicago
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Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago May 5, '03	St. Louis May 12, '03	Cincinnati May 12, '03	Milwaukee May 11, '03	Detroit May 12, '03
	A. BEAUTY, fancy—special	...... to 24.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	...... to 30.00
Roses	" extra	18.00 to 20.00	12.00 to 16.00	...... to 16.00	15.00 to 18.00	...... to 20.00
	" No. 1	12.00 to 15.00	6.00 to 10.00	8.00 to 12.00	10.00 to 12.50	...... to 10.00
	" Culls and Ordinary	...... to	3.00 to 5.00	3.00 to 6.00	4.00 to 6.00	...... to 5.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	6.00 to 8.00	5.00 to 6.00	...... to 6.00	...... to 6.00	...... to 6.00
	" extra	5.00 to 6.00	...... to 4.00	...... to 5.00	...... to 4.00	...... to 5.00
	" No. 1	4.00 to 5.00	...... to 3.00	3.00 to 4.00	...... to 2.00	...... to 4.00
	" No. 2	3.00 to 4.00	...... to 2.00	...... to 2.00	...... to	...... to 3.00
	Golden Gate	3.00 to 8.00	3.00 to 5.00	4.00 to 6.00	4.00 to 8.00	3.00 to 6.00
	K. A. Victoria	4.00 to 8.00	3.00 to 5.00	...... to	4.00 to 6.00	...... to ....
	Liberty	4.00 to 25.00	3.00 to 6.00	4.00 to 10.00	4.00 to 8.00	...... to ......
	Meteor	4.00 to 6.00	3.00 to 5.00	...... to 4.00	4.00 to 6.00	3.00 to 6.00
	Perle	4.00 to 6.00	3.00 to 5.00	...... to 4.00	4.00 to 6.00	3.00 to 5.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to 50.00
	Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	1.00 to 1.50	...... to 1.00	...... to 1.00	...... to	...... to 1.00
	STANDARD VARIETIES White	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	...... to 2.00
	Pink	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	...... to 2.00
	Red	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	...... to 2.00
	Yellow and Var,	1.50 to 2.00	1.50 to 2.00	...... to	1.00 to 1.50	...... to 2.00
	*FANCY— (*The highest grades of standard var) White	2.50 to 3.00	2.50 to 3.00	...... to 3.00	2.00 to 3.00	2.50 to 3.00
	Pink	2.50 to 3.00	2.50 to. 3.00	...... to 3.00	2.00 to 3.00	2.50 to 3.00
	Red	2.00 to 3.00	2.50 to 3.00	...... to 3.00	2.00 to 3.00	2.50 to 3.00
	Yellow and Var.	2.00 to 3.00	2.50 to 3.00	...... to	2.00 to 3.00	2.50 to 3.00
	NOVELTIES	5.00 to 6.00	...... to 4.00	...... to	...... to	...... to ......
	ADIANTUM	.50 to 1.00	...... to 1.00	...... to 1.50	...... to	1.00 to 1.50
	ASPARAGUS	20.00 to 50.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	10.00 to 50.00
	CALLAS	6.00 to 10.00	6.00 to 8.00	5.00 to 10.00	...... to 10.00	10.00 to 12.50
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	.50 to 1.50	.35 to .50	...... to .50	...... to .50	...... to ......
	GALAX LEAVES	...... to .15	...... to .15	...... to .15	...... to .20	...... to .10
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILAC	...... to	...... to	...... to	...... to	...... to ......
	LILIES	6.00 to 10.00	6.00 to 8.00	...... to 10.00	...... to 8.00	5.00 to 10.00
	LILY OF THE VALLEY	3.00 to 5.00	...... to	3.00 to 4.00	...... to 4.00	3.00 to 4.00
	MIGNONETTE—Ordinary	...... to 4.00	...... to	...... to	...... to	...... to 4.00
	" Fancy	...... to 6.00	...... to	...... to	...... to	...... to 6.00
	NARCISSUS	...... to	...... to	...... to	...... to	...... to ......
	PANSIES	.75 to 1.00	...... to	...... to	...... to	...... to ......
	SMILAX	...... to 15.00	...... to 15.00	...... to 15.00	...... to 20.00	15.00 to 18.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	.75 to 1.50	.50 to .75	.35 to .50	.50 to 1.00	.25 to .75
	TULIPS	3.00 to 5.00	...... to	...... to	...... to 2.00	...... to ......
	VIOLETS	...... to 1.00	...... to	...... to	...... to 1.00	.40 to .50

JOHN MUNO
Wholesale Grower and Shipper of
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51 Wabash Ave. Room 221, Chicago
Telephone Central 3598. All telegraph and telephone orders given prompt attention.

SINNER BROS.
Wholesale Growers and Shippers of
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58-60 WABASH AVE., CHICAGO, ILL.
With the Flower Growers' Co.
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Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
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Cut Flowers
All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

Wholesale Cut Flowers
and
Florists' Supplies
C. C. POLLWORTH CO.
MILWAUKEE, WIS.

H. G. BERNING
Wholesale Florist
1322 Pine Street
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GUARANTEED WROUGHT IRON PIPE

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ALLEN AIR VALVES, Guaranteed Autom

WHETSTONE & CO., Inc

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HAIL!

For insurance against damage by hail, address **JOHN G. ESLER, Sec'y F. H. A., Saddle River, N. J.**

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Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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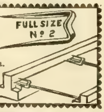

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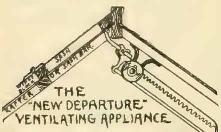
GOOD SASH LIFT

For a Very Little Money, Get



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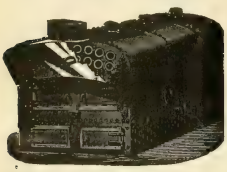
IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass. Painters' Supplies.

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HOTHOUSE GLASS

and GREENHOUSE PUTTY a SPECIALTY.

C. S. WEBER & CO.

10 Desbrosses St., New York.

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CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
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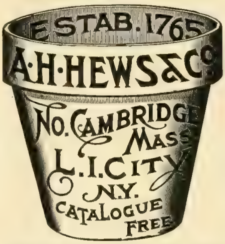
NEPONSET, BOSTON, MASS.



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CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29.00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

Sample free on application. No charge for printing on orders above 250 boxes, Terms cash

THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

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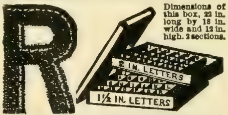
Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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ALL NURSERYMEN, SEEDSMEN AND FLORISTS

WISHING TO DO BUSINESS WITH EUROPE SHOULD SEND FOR THE

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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THE AUTO-SPRAY

best for all hand work. No continuou pumping. Compressed air runs it to spra ¼ acre of vines. Boy can carry and operate All working and contact parts of brass. Lo line of high grade sprayers for every purpo shown in Catalog P. It is FREE. Write once if you want the agency.

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We manufacture a superior article for Potatoes, bage, Celery, Corn, etc., body of same **Pure Bone**; about 6 per cent. Ammonia, 7 to 8 per cent. Potash 166 pound bag. $3.25; ton, $36.00. A pure Bone Mea greenhouse, lawns, fruit trees, etc.; tests 6 per Ammonia, 30 per cent. Bone Phosphate; 166 pound $3.00; ton. $32.50. Also have a practical Potato Sp tests 8 per cent. Potash, $30.00 ton. A dissolved and Potash, tests 10 per cent. avail. Phos. Acid, 2 per cent. Potash, $22.50 ton. A General Crop Ferti at $24.50. All delivered free, in ton lots, if cash ac panies order. **Jas. L. Reynolds Co., Mt. Vernon,**

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STANDARD FLOWER PO

Packed in small crates, easy to handle.

Price per crate			Price per
1500 2 in. pots in crate,	$4.88	120 pots in crate,	
1500 2¼ " "	5.25	60 8 " "	
		HAND MADE.	
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1000 3 " "	5 00	48 10 " "	
800 3½ " "	5.80	24 11 " "	
500 4 " "	4.50	24 12 " "	
320 5 " "	4.51	12 14 " "	
144 6 " "	3.16	6 16 " "	

Seed pans, same price as pots. Send for pric of Cylinders for Cut Flowers, Hanging Baskets, Vases, etc. Ten per cent. off for cash with order

Address **Hilfinger Bros. Pottery, Fort Edward, N**

Or AUGUST ROLKER & SONS, New York Agen
31 BARCLAY STREET, NEW YORK CITY.

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WHY NOT BUY

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OF US?

STANDARD SIZE

Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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DON'T YOU KNOW

NICOTICID

will kill every bug yo have? Cheap and eas Vapor or spray.

Of all Seedsmen.

MADE BY

TOBACCO WAREHOUSIN
& TRADING CO.
LOUISVILLE, KY.

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GLASS

For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

BENT GLASS

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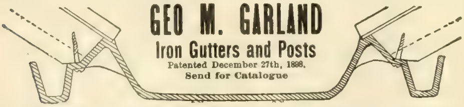

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Iron Gutters and Posts

Patented December 27th, 1898.
Send for Catalogue

GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO., CHICAGO, Selling Agents

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SLUG SHOT

Kills Insects on Currants, Potatoes, Cabbages and Flowers. Used since 1880.

SOLD BY SEEDSMEN EVERYWHERE

Send for Free Booklet on Bugs and Blights to

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STANDARD FLOWER POTS

THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
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LONG ISLAND CITY, N. Y.

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CYPRESS

Green House Material

Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

LOCKLAND LUMBER CO.
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THE STANDARD VENTILATING MACHINE

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE
Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only **Drip-proof Gutters** made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

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Orange, N. J.

Society News.

The regular meeting and floral display of the New Jersey Horticultural Society was held at its rooms in Orange on May 6. Particular attention was attracted by the Cattleya Mossiæ of J. M. W. Kitchen, which were of great size and beauty. A. D. Rose, who was to have addressed the Society, was prevented by illness, and Dr. Kitchen spoke upon "Freaks of Nature in Plants."

Two new members were elected, and appropriate resolutions of sympathy ordered sent to the families of deceased members, James Withers and Henry Bird.

Considerable activity has been shown among residents of Llewellyn Park in landscape work: upon "the ramble," a section used by all the residents in common and the only portion open, with the drives, to the public; by Richard Colgate, upon Glen avenue at its intersection with Parkway, in the grouping of shrubs, carried out by Mr. Vance. At the spring, by the entrance to the park, O. D. Munn has donated a fountain, which has received an appropriate setting of dwarf evergreens and a marble seat and vase, at the hands of John Hayes.

It is hoped that the effort, the first new work in many years upon this portion of the park, will be followed by others at the hands of our wealthy residents who have hitherto confined themselves to their own grounds.

The rigors of Winter have been but lightly felt in this section and vegetation has not suffered perceptibly. Peter Duff has lost an entire bed of tulip-bordering, at "Brighthurst," through the ravages of mice, however.

J. B. D.

SARATOGA SPRINGS, N. Y.—John Ralph's greenhouse was slightly damaged by fire on Thursday night, May 7.

SELF-OILING
VENTILATING APPARATUS FOR GREEHOUSES

PLEASE NOTE THE OIL CUPS.

LOW COST. SATISFACTION GUARANTEED.

Estimates furnished for CYPRESS GREENHOUSE MATERIAL, also for our PATENT IRON GREENHOUSE CONSTRUCTION.

Write for Circulars of
HOTBED SASH AND FRAMES.

We make a special GREENHOUSE PUTTY.

Greenhouse Construction Catalogue, also Greenhouse Heating and Ventilating Catalogue, mailed from our New York Office on receipt of five cents postage for each.

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NEW YORK OFFICE:
St. James Building, Broadway and 26th St.
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ROUND TILE
IN USE EVERYWHERE.

IS YOUR LAND WET?

Drain it and get the [illegible] of a rich, mellow soil, by using Agricultural Drain Tile. Our round tile is superior to all others. [illegible] on "Benefit of Drainage and How to Drain." [illegible] Write [illegible] Drain Tile, Sewer [illegible]

JOHN H. JACKSON, 50 Third Ave., ALBANY, N. Y.

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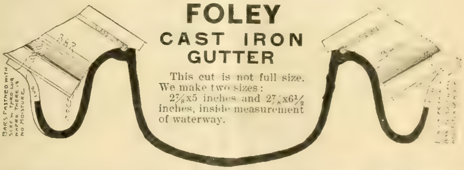
FOLEY MFG. CO.
471 West 22d St., CHICAGO, ILLS.

GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.

FOLEY
CAST IRON
GUTTER

This cut is not full size. We make two sizes: 2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.



No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

Mention the Florists' Exchange when writing.

Dillon's Greenhouse Mfg. Co., BLOOMSBURG, PA.

ANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

UILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

☞ Our descriptive circular contains valuable information for every florist. Send for it.

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GREENHOUSE MATERIAL

Manufacturers of Cal. Red Cedar and Louisiana Cypress.
BEST GRADES PERFECT WORKMANSHIP
WRITE FOR CATALOGUE.

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GULF CYPRESS
Greenhouse Material

CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

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1365 to 1373 Flushing Ave., Brooklyn, N.Y.
We Furnish Everything for Building.

Greenhouse GLASS
AT WHOLESALE.

New Twin Section Boiler.
END 4c. FOR CATALOGUE.

GET OUR PRICES BEFORE ORDERING.

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AMMOND'S GENUINE French Bordeaux Mixture

e Blue Color. Butter fine; ready for dilution. Sold by Seedsman. Send for pamphlet to
HAMMOND'S SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

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CLEAR CYPRESS ABSOLUTELY FREE OF SAP

NOT every man that runs a mill is an expert judge of lumber. Fewer still are familiar with the peculiar requirements of greenhouse construction.

We have made it a special study, know exactly what to furnish.

You are welcome to the benefits of our wide experience.

If you contemplate building, write us.

IT PAYS TO PAY FOR QUALITY

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New Roof Construction, Automati
Stokers, Water Tube Steam Boilers
Automatic and Hand Ventilators.
Lockport, New York.
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FLORISTS' SUPPLI
Largest Stock in the Cou y
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SUMMER IN WINTE
By Using
Standard Greenhouse Boilers
One cent gets our Catalogue.
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	In. pots	doz.	100
geratum, variegated	2½	$0.50	$3.00
lternantheras, red, yellow, pink	2½	.50	3.00
nthericum variegatum	3	.75	5.00
ilon Savitzii	2	.50	3.00
u ardias, white, scarlet and	2½	.50	3.00
nnas, Queen Charlotte, Florence Vaughan, Mme. Crozy, Egandale	3	.75	5.00
arnations, Wm. Scott and Lizzie McGowan, hardened off in cold ames, from soil, $15.00 per 1000;			2.00
ea Scandens	3	.75	5.00
eus, G. Bedder, Verschaffeltii	2½	.50	3.00
matis Paniculata	3	.75	5.00
matis Paniculata, strong	4	1.50	10.00
Golden Feather, $15.00 per 1000	2		10.00
Ivy, English, hardy strong plants	4	1.50	10.00
y, Parlor	2½	.50	3.00
Periwin ariegated	4	1.50	10.00
g plants in bloom		.35	2.50
	3	.75	5.00
ouble dwarf	2½	.50	3.00
ed varieties	2½	.50	3.00
aine	2½	.50	3.00
and light blue	2½	.50	3.00

11th and Jefferson Streets. **Phila., Pa.**

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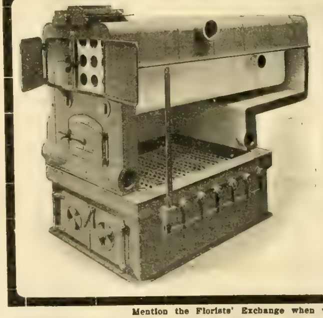
MASTICA

FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
170 Fulton St.,
NEW YORK



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THE STANDARD FOR Greenhouse Heating.
EFFICIENT
ECONOMICAL
DURABLE

PERFECT SASH OPERATING APPARATUS.

Send four cents for our illustrated Catalogue on Greenhouse Construction; also our Heating Catalogue.
Plans and Estimates on application.

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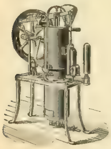

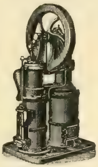

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Hot Air Pumping Engines

If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.

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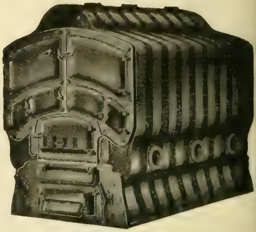
THE PERFECT HORTICULTURAL BOILERS
Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.
Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties
WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.
Designers, Manufacturers and Builders of Horticultural Structures
West Side Avenue South, JERSEY CITY

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A. HERRMANN
MANUFACTURER OF
Floral Metal Designs
in ORISTS' SUPPLIES
ST AVENUE
1st Streets
NEW YORK
404, 406, 408, 410, 412 East 34th St.
NEW CATALOGUE.

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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
SEND FOR CIRCULARS.
DILLER, CASKEY & CO., Successors to JENNINGS BROS.
S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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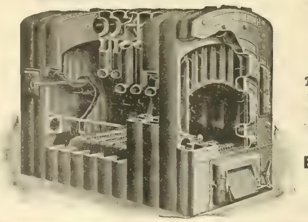
Better Get Catalogue of **FURMAN BOILERS** And Special Florists Prices



MADE IN OVER 150 STYLES AND SIZES.

BURNS ALL KINDS FUEL

NOW HEATING OVER 20,000,000 Q. FEET LASS.

Highly Economical in Fuel

Sectional, Portable and Brick set Types. Let us figure on your requirements.

Address, **The HERENDEEN MFG. CO.,** DEPT. F., GENEVA, N. Y.

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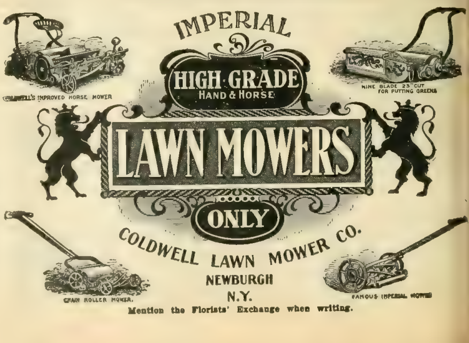
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NINE BLADE 25" CUT FOR PUTTING GREENS
CHAIN ROLLER MOWER.
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IMPERIAL
HIGH GRADE
HAND & HORSE
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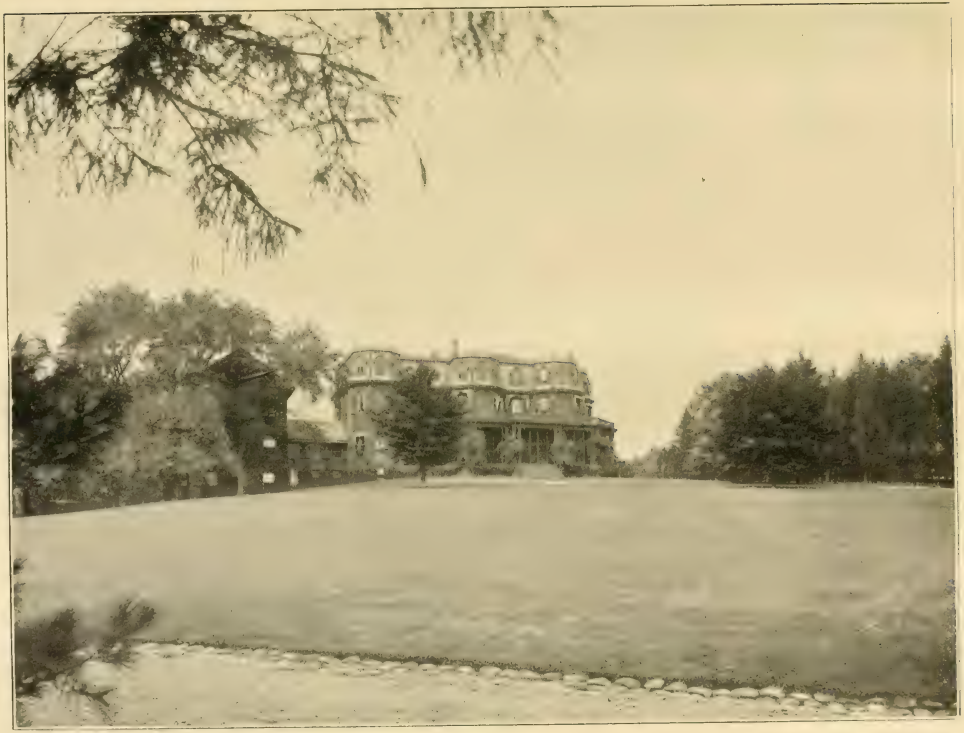

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Plate 52

THE MANOR HOUSE ON THE W. WALTER PHELPS ESTATE, TEANECK, N. J.

Standing in the middle of a beautiful lawn of nine acres. The evergreen and deciduous trees blend to form a perfect picture. The two copper beeches seen in the foreground, noble specimens, were planted in 1876, and have attained a height of 36½ feet, with a spread of branches of 35 feet.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 21 NEW YORK, MAY 23, 1903 One Dollar Per Year

SOME SEASONABLE STOCK

EXTRA GOOD VALUE

	Each
DRACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12c. each; extra strong stock, 7 in. pots, 2 ft. high, 50c. each; 2½ ft. high, 75c. each; 3 ft. high	$1 00
BOSTON FERNS, only large sizes in 10 in. and 12 in. pans, fine stock	$1 50; 2 00
RUBBER PLANT (Ficus elastica) Fine for piazzas, hotel decoration, etc. Large, perfect leaves in best possible condition. 6 in. pots, 2 ft. high, 50c. each; 2½ ft. high, 75c. each; 3 ft. high, $1.00 each; extra large specimens, three plants in a pot, bushy, in perfect condition, with leaves right to the pot, 5 ft. high	5 00
KENTIAS, in fine shape, grown cool and very hardy, extra value $1.00, $2.00, $3.00 and	4 00
LATANIAS, large sized plants, fine for decorating $2.00, $3.00, and	4 00
BOXWOOD, pyramidal and untrimmed, 3 ft. high, $2.00 each; 3½ to 4 ft. high	3 00
	100
PHŒNIX, 3½ in. pots, with fine tops, $10.00 per 100; 2¼ in. pots, very strong stock, nice tops	4 00
ENGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long, $12.00 per 100; 2¼ in. pots, very nice, 12 to 18 in. long	6 00
DAHLIAS, a fine assortment of Cactus, decorative and show varieties, all named	6 00
ALYSSUM, Tom Thumb and Double	3 00
FORGET-ME-NOT (Myosotis), nice plants from frames	4 00
SHASTA DAISY, strong plants from frames	8 00
FUCHSIAS, fine assortment, named varieties, 2¼ in pots	3 00
ABUTILON Savitzii, Duc de Malakoff Variegated and **Eclipse,** 2¼ in. pots	4 00
NASTURTIUMS, 3½ in. pots, strong and bushy	6 00
LEMON VERBENAS, 2¼ in. pots	4 00
IVY-LEAVED GERANIUMS, extra strong, 4 in. pots	8 00
HARDY PHLOX, extra fine assortment, named varieties	6 0
CAMPANULA Persicifolia	8 00
CALADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference, $3.00 per 100; 9 to 12 in. in circumference	6 00
TUBEROSES	1 00
CANNAS, fine assortment	6 00
MADEIRA VINE	2 00
LOBELIA Gracilis and **Compacta**	3 00
ENGLISH DAISIES	3 00
FOXGLOVE, strong plants from frames	6 00
COREOPSIS LANCEOLATA, strong plants from frames	6 00
GAILLARDIA	6 00
SWEET WILLIAM	6 00
WICHURAIANA or **EVERGREEN ROSES,** fine named varieties, extra strong stock, 3½ in. pots	12 00
FERN BALLS, large size, in fine shape	$3.00 per dozen

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

CUT ROSES

For Decoration Day

AMERICAN BEAUTY, BRIDE, BRIDESMAID, METEOR and LIBERTY.

Asparagus Sprengeri

Large Bunches, 50 Cents Each.

BOSTON FLOWER MARKET, Stalls 47 and 48

Asparagus Plumosus Nanus

GOOD HEAVY STRINGS

8 feet long, 50 Cents Each.

W. H. ELLIOTT, Brighton, Mass.

TUBEROSE, THE PEARL

CHEAP TO CLOSE OUT 3 to 4 inch bulbs. All will flower. 30c. per 100; $2.50 per 1000, in barrel lots of about 1400.

CANNAS STARTED IN FLATS. Ready for Planting Out: Strong and Healthy. 50 plants of one kind in a flat, $1 40 per flat; $25 00 per 1000. Assorted kinds, 50c. per doz.; $3 per 100. Varieties as follows: **Queen Charlotte, Mme. Crozy, Paul Marquant, Shenandoah, Burbank, Chas. Henderson, Alphonse Bouvier, Alsace, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria.**

DORMANT CANNAS of above sorts, large pieces, three and more eyes, 25 cts. per dozen; $1.50 per 100; $12.50 per 1000.

TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50

(Worth and sold elsewhere for $6.50)

Consists of 50 each **Shenandoah,** dark foliage, large pink flower; **Chas. Henderson,** crimson; **Mme. Crozy,** scarlet, gilt edge; **Florence Vaughan,** yellow, red spots; **Paul Marquant,** salmon pink.

Rustic Hanging Baskets

Size		Each		Dozen
Size 8 in.		Each, $0.50;		Dozen, $5.00
" 9 "		"	.60	" 6.50
" 10 "		"	.70	" 8.00
" 11 "		"	.80	" 9.00
" 12 "		"	1.00	" 11.00
" 13 "		"	1.10	" 12.00
" 14 "		"	1.30	" 14.00

DAHLIAS Large Field Roots

	Per 100	Per 1000
Named varieties, Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35 00
Separate colors, pink, red, yellow and white	4.50	40.00

CALADIUM ESCULENTUM

All with Center Shoots.	Per 100	Per 1000
6 to 8 inch	$2.00	$15.00
8 to 10 inch	3.50	30.00
10 to 12 inch	6.50	50.00
12 inch and over	15.00	

PALM SEEDS NEW SHIPMENT JUST TO HAND.
Pandanus Utilis Seed, $1.00 per 100, $7 50 per 1000; $35.00 per 5000
Cocos Weddeliana, 1.00 " 8.00 " 35.00 "

LATANIA BORBONICA $2.00 per 1000; $9.00 per case of 5000 seeds.

PHŒNIX **Reclinata,** $3 00 per 1000; $13.00 per 5000. **Rupicola,** $7.50 per 1000. $35.00 per 5000.

ARECA LUTESCENS $7.50 per 1000; $35.00 per 5000.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., TELEPHONE 4390 SPRING **New York City**
CORNER JANE STREET
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

Millions of Hardy Herbaceous Plants in all the finest Varieties.

Refer to our Wholesale Catalogue. Special Prices for Large Quantities.

RHODODENDRONS, all fine, hard varieties. Bushy, well-budded plants.

12-15 in.	per doz.,	$4 50
15-18 "	"	6 50
18-22 "	"	9 00
22-26 "	"	12 00
26-30 "	"	18 00
30-36 "	"	25 00

Native Rhododendrons. Ask for price.

EVERGREENS, We have a very large collection of all kinds, including Abies, Blue Spruce, Retinospora, English and Irish Yews, Cupressus, Thuya, Pinus, Juniperus, Cedrus, etc. Ask for a list of general varieties.

5000 BOXWOOD in all sizes.

VINES, Clematis, large flowering varieties, 3 years old, Dutchman's Pipe, Belgian Honeysuckle, Wistaria, Silk Vine, Ampelopsis Engelmanni, Quinquefolia, Trumpet Vine, Akebia Quinata, Actinidia polygama. All these vines, strong plants, from 5 to 8 ft., per doz., $3.00; per 100, $30.00. Lonicera Halleana, per doz., $1.00; per 100, $8.00. Clematis Paniculata, per doz., $1.00; per 100, $10.00. Lonicera reticulata, per 100, $10.00. Ampelopsis, 2 in., per 100, $8.00; 2½ in. pots, per 100, $10.00. 3 in., per 100, $12.00.

FICUS Rubber Plants, top cuttings, $15.00 per 100; $135.00 per 1000.

JAPAN MAPLES, 2 yrs. old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

KALMIAS (Mountain Laurel), $50.00, $75.00 and $100.00 per 100.

JAPANESE FERN BALLS, dormant, selected, large bulbs, per doz., $3.50; per 100, $27.50.

AUCUBA JAPONICA, 12-15 in., per doz., $2.50; 15-18 in., per doz., $3.50. **VARIEGATA,** 18-24 in., per doz., $5.00.

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

KENTIAS. We have the largest stock of large Kentias in the country. Call and see them.

ROSES. Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

1500
BAY TREES
in all sizes.

BULBS FOR OUTDOOR PLANTING.

	Per 1000
TUBEROSES, selected bulbs, 3-4 in	$4.00
CALADIUM ESCULENTUM Elephant Ears—	
Bulbs, 6-8 in.	14 50
" 8-10 in.	22 50
" 10-12 in.	45 00
DAHLIAS, show, mixed, all colors, double	35.00

GLADIOLUS -	Per 100	1000
Brenchleyensis	$1.00	$8.00
Isaac Buchanan.	3.50	
May	2 50	
Lemoine's Hybrids	2 50	20.00
Pink Shades	2.00	15.00
Scarlet and Crimson	1.00	8.00
White and Light	2 25	20.00
Yellow	3.00	25.00

HARDY JAPAN LILIES.

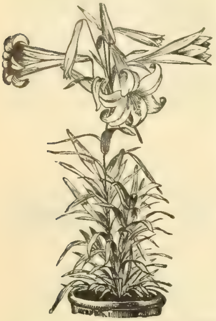
	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in	5 50	45 00
" " 9-11 in	7 00	65 00
ALBUM, 8-9 in.	$5 50	$50 00
" 9-11 in.	7 00	60 00
MELPOMENE, 7-9 in	6 50	60 00
" 9-10 in	9 50	80 00

We have large quantities of other Spring Bulbs in all varieties. Ask for prices and varieties.

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.



St. Davids Island
HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

Mention the Florists' Exchange when writing.

TUBEROSES The True Dwarf Excelsior Pearl

Extra Fine Stock, 4-6 in. circumference	$7.00	per 1000
Good Flowering Stock, ¾ in. "	3.00	"

Prices hold good while stock lasts.

Just Arrived:
BAY TREES, PYRAMIDS and STANDARDS
LATANIAS, PHŒNIX, KENTIAS

In all Sizes and Prices. Further Particulars given by

F. W. O. SCHMITZ, Prince Bay, N.Y.

Mention the Florists' Exchange when writing.

This cut is reproduced from a photo of one of my fields taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

Mention the Florists' Exchange when writing

CYCAS STEMS

SIZES	Price per	
2 to 3 lbs.	10 lbs.,	$1.00
4 to 5 lbs.	" " 50 lbs.,	4.00
6 to 7 lbs.	" " 100 lbs.,	7.50
	" " 1000 lbs.,	65.00

STUMPP & WALTER CO., 50 BARCLAY ST. NEW YORK.

BRANCH STORE, 404 EAST 34TH ST.

Headquarters for CACTUS DAHLIA

KATHERINE DUER

(Newport's Glory)

A limited stock of field tubers, all started, 50 cts. each. Green plants in 3 in. pots, $25.00 per 100; $3.50 per dozen. A large collection containing over 100 varieties (all quilled types), including the new sets of 1903 and 1902. Prices on application. All imported pot grown roots in fine condition.

THE GEO. A. WEAVER CO.
NEWPORT, R. I.

Mention the Florists' Exchange when writing.

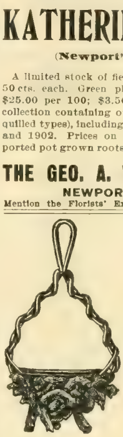
CINERARIA GRANDIFLORA,

Selected Strain.

Medium Tall, ½ Tr. pkt.	$ .50
" "	1.00
Dwarf, ½ Tr. pkt.	.50
" "	1.00

D. Landreth & Sons,
FLORISTS' DEPARTMENT,
1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.



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122 West 25th St., New York.

RUSTIC WORK
ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**

NOVELTIES CONSTANTLY ON HAND.

TUBEROSE BULBS

Dwarf Excelsior Pearl
Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% discount for cash with order.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers.

	Per 100	Per 1000
Medium Size, 3 to 4-in.	$0 50	$3 00
First Size, 4 to 6-in.	90	8 00
Mammoth Bulbs, 6 to 8-in.	1 50	10 00

CALADIUM ESCULENTUM, with live center shoots.

	Per 100
5 to 7-in.	$2 00
7 to 9-in.	3 00
9 to 12 in.	6 00
12-in. and up	13 00

FORCING BULBS

Our arrangement for high grade bulbs of **French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley** and picked bulbs of all **Dutch Hyacinths, Tulips, Narcissus and Spiræa** are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

Write for prices before closing any forcing stock order.

NEW YORK: 14 Barclay St. **VAUGHAN'S SEED STORE** CHICAGO: 84-86 Randolph St.

Mention the Florists' Exchange when writing.

CLEARANCE SALE
No. 1 TUBEROSES No. 2
75c per 100, $5.50 per 1000. 4 to 6 inches and over
Dwarf Excelsior Double Pearl
UNUSUAL VALUE
35c per 100 $2.50 per 1000 3 to 4 inches and over
Elephant Ear Bulbs 5-7 inches, $1.25 per 100; $10.00 per 1000
8-10 " 2.25 " 20.00 "
JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, Pa.
Mention the Florists' Exchange when writing.

DREER'S
AQUATIC PLANTS
Hardy and Tender Nymphæas,
Nelumbiums in Variety,
Victorias, Etc.
We are Headquarters for all kinds of Aquatic Plants.
NOW IS THE TIME TO PLANT.
Write us for information if you are uncertain as to what or how to plant.
HENRY A. DREER
PHILADELPHIA, PA.

Japanese
Fern
Balls
5-inch and 7 to 9-inch Sizes.
Write for prices on quantities.
VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St
Mention the Florists' Exchange when writing.

SEED BEANS
promise well this season. We probably will have a surplus of all the leading sorts. If you have not booked requirements for next season, think it will pay you to ask for prices. All stocks offered will be highest grade and equal to best,hand-picked samples.
COX SEED COMPANY
Seed Growers for the Wholesele Trade only
San Francisco, Cal.

CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS
Special Prices on Application.
WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.
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NARCISSUS AND DAFFODILS
For Forcing.
We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).
Before placing your orders write to
W. MAUGER & SONS, Guernsey, England
Mention the Florists' Exchange when writing.

AMERICAN GROWN
BULBS
Narcissus, Daffodils, Etc.
SEND FOR LIST AND PRICES.
POAT BROS. ETTRICK, VA.
Mention the Florists' Exchange when writing.

Established 1802.
Thorburn's Seeds
For over a hundred years have been universally recognized as the standard of excellence.
JUST ARRIVED
Cycas Revoluta Stems
Assorted sizes, running from 3 to 20 pounds each.
10 pounds and over........12c. per lb.
25 " " " ....10c. "
50 " " " ....9c. "
100 " " " ....8c. "
J. M. THORBURN & CO.
36 Cortlandt St. New York
Mention the Florists' Exchange when writing.

CLEARANCE OFFER
TUBEROSES EXCELSIOR PEARL, 3x4 in. up, 100, 30c.; 1000, $2.50; 5000, $11.00.
CYCAS REVOLUTA STEMS, 1-6 lbs., 10 lbs., $1.00; 100 lbs., $7.00.
SEEDS FOR SEASON.
PRIMULA SINENSIS FIMB., white, brilliant red, rose, white with yellow eye, true blue, 100 seeds, 25 cts.; 500 seeds, $1.00; 1000 seeds, $1.75.
CINERARIA hybrida maxima grandifl. 500 seeds, 25 cts.; 2500, $1.00.
" " nana grandifl. dwarf, 500 seeds, 25 cts.; 2500 seeds, $1.00.
ASPARAGUS SPRENGERI, 100 seeds, 20 cts.; 1000 seeds, $1.00.
Let us estimate on your wants for forcing bulbs. Can save you 10 per cent. on early orders.
H. H. BERGER & CO., 47 Barclay Street, NEW YORK.
Mention the Florists' Exchange when writing.

GLADIOLI
Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.
Send for Catalogue.
ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. BERLIN, N. Y.
United States Grower and Representative of Groff's Hybrids.

GERANIUMS AND CANNAS
From 3 and 4 inch pots, very fine, at $6.00 per 100.
GERANIUMS
Cesar
Double Gen. Grant
Jean Viaud
Le Soleil
Mme Barney
Mme Jaulin
Mme Landry
Marvel
Pasteur
Richelieu
Silver Leaf
CANNAS
Alphonse Bouvier
Alsace
Austria
Beaute Poitevine
Chas. Henderson
Duke of Marlborough
Florence Vaughan
Pres. Max Michelli,
Rob. Christie
Sam. Trelease
Italia
L. Patry
Luray
Mme. Crozy
Pandora
Pierson's Premier
Pres. McKinley
Queen Charlotte
Robusta
Secretaire Chabanne
GERANIUMS, extra selected, $8.00 per 100.
NEW VARIETIES OF CANNAS
Black Beauty ....at $12.00 per 10
Improved Pillar of Fire ...." 10.00 "
Pennsylvania ...." 15.00 "
COLEUS and CALADIUMS. Prices on application.
HYBRID TEA ROSES, 2½ in. pots, good variety ....at $35.00 per 1000
TEA ROSES, 2½ in. pots, good variety ...." 25.00 "
SOMETHING NEW.
Pyrethrum parthenifolium hybridum aureum, with beautiful cut foliage ....at $3.00 per 100
ELIZABETH NURSERY CO., Elizabeth, N. J.
Mention the Florists' Exchange when writing.

SPECIAL OFFER.
Cycas Revoluta Stems
NEW IMPORTATIONS
From 1 to 6 lbs., 25 lbs., $2.00; 100 lbs., $7.00 (case of 300 lbs., $20.00.)
Write for prices on larger quantities.
HENRY F. MICHELL
IMPORTER,
1018 Market St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP
SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

American Seed Trade Association.

The twenty-first annual meeting of the American Seed Trade Association will be held at St. Charles Hotel, Atlantic City, N. J., June 23-26, 1903. Special hotel rates, $3.00 per day. Application has been made to the Trunk Line Associations for a reduction in railroad rates; full particulars will be sent you if obtained. Program will be sent you later.

Atlantic City, the latter part of June, is the most attractive seashore resort in America. We hope to have a record-breaking attendance.

The annual meeting of the Wholesale Seedsmen's League will be held at Atlantic City during and after the association meeting. The day and hours to be hereafter named by President Bruggerhof.

All social features connected with the convention will be announced at the meeting, except that, by request, we announce that it is the intention of Messrs. W. Atlee Burpee & Co. to invite all in attendance to visit "Fordhook" on the Monday following the convention week. This announcement is made believing that all will wish to accept this invitation, and will plan to remain in Atlantic City over Sunday.

We advise members to engage rooms in advance; this may be done by writing directly to the hotel, or by notifying Mr. Walter P. Stokes, president, or the secretary,

S. F. WILLARD,
Secretary.

Superb Pansies.

Henri Beaulieu, Woodhaven, N. Y., is an enthusiast in several horticultural specialties, among which is a strain of pansy seed he imports under the name of Mme. Perret. Mr. Beaulieu claims the best pansy seed known is grown in France, and that the Mme. Perret type is the gem of them all. A sample of this seed was grown by a successful local pansy expert in competition with most of the widely advertised strains offered to the public last Fall, and the conclusion at the present blooming season is that the importer's claims for Mme. Perret are well founded. The seeds had evidently been most carefully selected, as the plants are uniform and compact in growth, well covered with large, highly-finished flowers of the most pleasing and tasteful shades imaginable. The pansy is now so highly developed that intelligent description of the colorings of any but a few well-marked varieties is impossible. One can only say that the range of coloring and combination of bright and pleasing shades is better than in the competing strains, though some of the latter are very good indeed. We grow fair pansies on favored spots on the Rural Grounds, but preferred this trial should be made by a grower of long experience who has always planted the best pansy seed procurable. His verdict is that the sample of Mme. Perret produced the highest average of good blooms of any seeds he has yet tried. It is a good thing to work up a strain of seeds of a popular plant to the highest excellence, but it requires much care and discrimination to keep it up to such a standard. W. V. F. in "Ruralisms," Rural New Yorker.

European Notes.

A considerable change has fortunately come over the weather, crops and trade. Almost directly after my last notes were mailed the drouth was broken by a good steady rain which has continued throughout the week, the temperature rising very considerably at the same time.

The state of the seed crops cannot yet be fully determined, but from all reports it is quite safe to say that there has not been so much damage done as might well have been expected. Cabbages, particularly, have revived well, but those varieties which were planted late show no inclination to run to seed. Turnips and Swedes will have to be "topped," which will strengthen the crop and make it very little later. Peas will be considerably retarded, and the first pods, although not cut off, will be damaged and almost useless.

Great good has been done to the beet crops, and while there cannot be a full crop, a fair crop may be anticipated.

Useful activity in all branches of the agricultural trade is another bright side to the change in the weather.

A somewhat better report may now be added to the above, especially as regards Swedes and turnips in England

BOXWOOD

FINE BUSHY PLANTS

4 feet	$3 50 each
3½ feet	2 00 "
3 feet	1 50 "
2 feet	1 00 "
1½ feet	50 "

RHODODENDRONS

Bushy, Well Budded Plants.

15 to 18 inches	$5.00 per dozen
18 to 24 inches	7.00 "
Ponticum, 18 inches	3.50 "

Fine for Decoration Day.

10,000 PRIVET 2 year, 18 to 24 in. $15.00 per 1000.

SPECIMEN CONIFERS

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

The more delicate varieties have suffered most and will be short; but later and stronger sorts are gaining ground and promise well. Beet crops are keeping better since the rain. Many fields seem thin by reason of the failures, but not too thin for a fair crop to be anticipated. Carrots are in some cases very bad, and some fields have been ploughed up. Endives and lettuces have been kept back by the cold, and where not killed are still too small to plant out, which will make them late; a shortage is expected, but a good deal depends on how the plants left now develop in the next week or so.

Early cabbages have been badly cut down and the crop generally weakened; a full crop is impossible. Later sorts and the more hardy brassicas, such as Brussels sprouts, savoys, etc., have stod the trial fairly well, and ought to be good.

Growers of onions in all districts are more optimistic now, the change having strengthened the plants to a remarkable degree. Radishes have been damaged and cannot be first class; all the same, they are sharing in the general improvement. Salsify and scorzonera suffered slightly, but there will be plenty to supply all demands.

The weather continues warm and rainy; in fact, we are experiencing floods in some districts, but generally all is tending toward a decided improvement in the seed crops.

EUROPEAN SEEDS.

CALLA BULBS

August 1st delivery.

Extra choice large bulbs, $5.00 per 100. Express paid by us at above figures.

CALIFORNIA CARNATION CO.

P. O. Box 103. LOOMIS, CAL.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower, Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

BEAULIEU'S

HARDY WHITE ONION

Ounce, 20c; pound, $2.00. Send for testimonials On page 85 of Greiner's "New Onion Culture," appears an account of this Onion. Special Offer. Every purchaser of one or more pounds of seed can have a copy of this new book, free. Pansy Seed as usual.

BEAULIEU, Woodhaven, N.Y.

Mention the Florists' Exchange when writing

LILIUM HARRISII and LONGIFLORUM

W. W. RAWSON & CO. Arlington Tested Seeds BOSTON MASS

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W. RAWSON & CO, Seedsmen, Boston, Mass.

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

20,000 DAHLIAS

Strong whole field grown roots, in 50 best sorts, $4.00 per 100; $36.00 per 1000, send for list. Mixed whole roots, in separate colors, white, pink, red and yellow, $3.50 per 100; $30.00 per 1000. Fine mixed, all colors. These mixtures contain the named varieties, all double, show, cactus and pompon $3.00 per 100; $25.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

WANTED, HOTHOUSE PRODUCE.

Mushrooms, Tomatoes, Cucumbers, Lettuce and Grapes, specialties. Only house dealing exclusively in these goods. Correspondence solicited

Archdeacon & Co., 100 Murray St., N. Y.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

Mention the Florists' Exchange when writing.

PEACOCK'S DAHLIAS

Send for our illustrated descriptive Trade Catalogue.

W. P. PEACOCK, Atco, N. J.

Dahlia Specialist.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

Cycas Stems

NEW STOCK

ALL SIZES

Prices: 100 LBS.@8¢ 200 LBS.@7½¢ 500 LBS.@7¢

VAUGHAN'S SEED STORE,

14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

Primrose

CHINESE FRINGED

	Trade pkt.
Kermesina Splendens	50 cts.
White, Yellow Eye	50 cts.
Bright Pink	50 cts.
Brilliant Red	50 cts.
Rosy Morn	50 cts.
Blue	50 cts.
Flesh Color	50 cts.
Mixture of Above	50 cts.
Fern Leaved Mixed	50 cts.
Obconica Grandiflora, white	50 cts.
" " rosy chamoise	50 cts.
" " bright rose	50 cts.
" " fringed mixed	50 cts.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June

Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.	$1 00	$8 00
1 to 1 1-2 in. diam.	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.

VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

W. & T. SMITH COMPANY

Geneva, N. Y.

WHOLESALE GROWERS OF

Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety.

Send for our Wholesale Price List.

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Sweet Potato Plants

LARGE STOCK

STOUT HEALTHY PLANTS

Big Stem Jersey, $1.50 per 1000.

Cedarville and Yellow Nansemond, $1.25 per 1000.

Early Red Nansemond and Southern Queen, $2.25 per 1000.

If different varieties are wanted, order them at 1000 rates. In lots of 5000 or over deduct 25 cents per 1000 from above prices. No order accepted for less than 1000 plants.

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Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head, Late Flat Dutch, Savoy, Rich Red and other vars., 25c. per 100; $1.00 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars., 15c. per 100; $1.25 per 1000. Earliana and Ponderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c. per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY Golden Self Blanching. $1.00 per 1000.

EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.

PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

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FLORISTS' FLOWER SEEDS

OUR SPECIALTY

Catalogue upon application.

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SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.

Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.

Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.

Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100: $12.00 per 1000.

Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.

Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.

Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

VAN DER WEYDEN & CO.

The Nurseries,

BOSKOOP, HOLLAND

Growers of Azaleas, Rhododendrons, Clematis, Peonies, Roses, Box Trees, Conifers, Hydrangeas, etc., etc.

Pot Grown Plants for forcing.

NO AGENTS. Catalogue free on application.

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Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

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SPRINGFIELD, NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

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OF SPECIMEN

HEMLOCK AND BOX-BUSH

OUR OWN GROWING. THEY LIFT WITH GOOD BALLS. CAN BE MOVED NOW. FOR PRICES STATE SIZE AND QUANTITY DESIRED.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa.

WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

Nursery Department

ERICAN ASSOCIATION OF NURSERYMEN

harles A. Ilgenfritz, Monroe, Mich., President.
S. Lake, Shenandoah, Ia., Vice-President.
rge C. Seager, Rochester, N. Y., Secretary;
. Yates, Rochester, N. Y., Treasurer.

he Summer meeting of the Missouri rticultural Society occurs June 3, 4 d 5, at Perble Springs (Warrens- rg), Mo. An interesting program s been prepared. L. A. Goodman, 0 Warwick, Kansas City, Mo., is sec- ary.

ILWAUKEE.—Warren H. Man- g, of Boston, has been engaged as visory superintendent to the Park ard of Milwaukee, Wis., for a period two years. He will shortly submit ns to the board for the improvement Washington and Kosciusko parks.

Timely Suggestions.

et out all heeled-in stock as soon as es are over. If shrubs, and they are ch sprouted, cut them down almost the ground, ram the soil in well, and ter them.

n this part of Pennsylvania we have n without rain for a month. While es are not suffering, seed beds are, d seeds will not germinate unless the rface soil is kept damp.

Elm, red and silver maple seeds are e now. Sow them as soon as possi- . Nice plants will result by Fall. If pt over until Fall, the seeds are un- tain as to growth.

Hardy stock in greenhouses should be t outside at once. Put it in a partly eltered place for a week or so, as dden exposure to sun destroys the iage, weak from inside growth.

Vines in pots should have neat stakes t to them as soon as the vines com- nce to grow. A vine grows fast when pport is given it; and neatness of pearance makes sales.

Small fruit trees intended for selling ould not be permitted to waste en- gy on producing fruit. Pick off all t a very few. Shoots will then be ade, which will pay better than fruit, ding to the price to be asked for the ock when selling time returns.

Evergreen cuttings in boxes, rooted rough the Winter, need attention. If anted out, their small size is against eir battling with the Summer suc- ssfully. Better to fix up frames ansplanting into them, or else pot e cuttings looking to planting them t next Spring.

Examine all stock for scale and other sects, so as to start the season with ean stock. Whitewash will kill scale sects. A handful of sulphur in a cketful is a help toward healthy ees.

The wood of lilacs looks so much ike that unless labeled it is impossi- e to know the varieties when not in wer. Label them before the flowers de.

Lotus Corniculatus.

The pretty little perennial, bird's foot efoil, Lotus corniculatus, a familiar ant in meadows in Europe, does not cur in a wild state here, but as a cul- vated plant it is very much at home. or rock-work uses it is valuable, its reading habit fitting it for positions here a low-growing subject is re- ired. The flowers are bright yellow, nged with orange, produced in heads six to twelve on a stalk. It is in wer with us in May, and for some me later; and in Europe it can be und in bloom at almost any time dur- g the Summer.

Golden Norway Spruce.

Many of the golden and variegated- aved plants, while unattractive at me seasons of the year, are most autiful at others, and in this class the golden-leaved Norway spruce. ust now, with its young growth about rfecting itself, it presents a lovely ppearance, almost a sunset color, and ere it to keep up this appearance uring the selling season, there would e no end to the calls for it. But to- ard Midsummer the golden color fades too light a hue for beauty, so that e tree will be planted chiefly for its tractive face in Spring.

All the forms of spruce are increased y grafting, usually performed on pre- ared stocks in doors, in greenhouse or ame, where moisture can be kept up hile the union of parts is going on.

Veronica Teucrium.

The genus veronica is known for the large number of fine blue species it contains, and of these, one after the other, there are some in flower from early May until September. One of the prettiest of this season is Veronica Teucrium. Its flower spikes are about a foot in length, and the blue flowers so profuse that hardly a bit of foliage can be seen—nothing but a sheet of blue. What a pity some of these blue-flowered perennials are not constant bloomers! What a change it would make in our bedding plans could we use this veronica in our make-up!

Mollis Azaleas.

Year by year sees the variety of colors in the Azalea mollis increased. From the yellow and the flame-colored, which were the first of their kind to be seen here, there are now dozens of shades of color. But, so far, importers of them receive them under two colors, viz., yellow and red Azalea mollis. Among the yellows are shades from the deepest yellow to white. The reds are still mainly flame-colored, but there are some of a darker color than others. The time will come when the various shades will be kept distinct, as is now done with the Ghent azaleas.

The ideal situation for all azaleas is a partially shady one—not one overhung with trees, but one which, while open, is in the shade part of the day, preferably in the afternoon. Such a place furnishes coolness at the root, and is usually more moist than when exposed, and fits the azalea exactly. Often by mulching, the surface of the ground can be kept moist, even when the plants are in the full sun, but when thus exposed the flowers are less lasting than when they are in partial shade.

Yellow-Flowered Magnolia.

Although it is now over 100 years since the Magnolia cordata was introduced to cultivation, it is one of the rarest trees in collections to-day, and this in spite of the fact that it is the only yellow-flowered one known to collectors. One reason for this may be that in many cases what has been sent out for it has proved nothing but M. acuminata. It may be said that in a general way it has no resemblance to M. acuminata, though older botanies make it but a variety of this. What makes it distinctively different to a beholder is its lovely yellow flowers. And then, it blooms two weeks earlier than M. acuminata, and it has leaves downy on the underside, while the other has them smooth on both sides.

Sometimes M. acuminata flowers have a faint trace of light yellow, and those of M. Fraseri are of a canary yellow, but neither of these approach the depth of yellow displayed by the blooms of M. cordata. Its petals are of a light green as they open, taking on the yellow color as they expand, until, when fully matured, they are of a rich golden color.

It has the reputation of making quite a large tree; therefore, to enjoy its flowers the better, it should be treated as a large shrub, as is done in the case of M. Fraseri. Then its deep yellow flowers, and the canary yellow, sweet-scented ones of M. Fraseri are seen and enjoyed. Keeping them topped when young and afterward makes shrubs of them.

JOSEPH MEEHAN.

Grandiflora Jasmine.... BUDS

Our buds are extra good this season. An experienced packer, your buds will reach you in good condition. Price, $5 00 per 1000, 75 cts. per 100, f.o.b. Terms Cash with order.

J. M. WEEMS, ALVIN, TEXAS.

Mention the Florists' Exchange when writing.

THINGS YOU NEED!

	Per 100
10,000 Coreopsis clumps	$4 00
10,000 Helianthus Maximiliana, strong divisions	2 50
10,000 Achillea Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum Maximum, Triumph, strong divisions	5 00

Cash with order, please.

W. C. EISELE, West End, N. J.

Mention the Florists' Exchange when writing.

CASH BARGAINS

To Reduce Surplus Stock.

JAPAN FERN BALLS In Fine Condition.

5-7 inch, per doz., $1.35; per 100, $9.00. 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $30.00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $24.00.
The two (2) Cases containing 540 Fern Balls for $45.00.

Cycas Revoluta Stems From 1 to 6 lbs., about 250 lbs to the case, per 100 lbs., $6.50; by the case, per 100 lbs., $6.00.

AS THE QUANTITY IS LIMITED I ADVISE IMMEDIATE ORDERS.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ⅜ to ½ inch diameter	per 1000, $6.00;	per 2000, $11.50;	per 6000, $33.00
3 " ¼ to ⅜ " "	" " 3.50;	" " 6.50;	" " 18.00
3 " ⅜ " "	" " 3.25;	" " 6.00;	" " 17.00

CASH WITH ORDER, PLEASE.

FOSTITE for **Mildew** on **Roses** and **Carnation Rust**, per 25 pounds, $2.50.

AZALEA INDICA and **HOLLAND FORCING BULBS**, Hyacinths, Tulips, Narcissus, etc., of **Select Quality at Right Prices.**

SEND ME AN ESTIMATE OF YOUR WANTS.

C. H. JOOSTEN, Importer, 201 West St., New York.

Mention the Florists' Exchange when writing.

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Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

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When in Europe come and see us and inspect our extensive Nurseries. **Gouda** is our **railroad depot.**

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

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We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

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EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***

Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

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TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

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CABBAGE PLANTS

Early Jersey Wakefield, ready to plant out, $1.25 per 1000; 5000 for $5.00.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SAGO PALMS

10 to 15 leaves, $1.00 each; 15 to 20 leaves, $1.50 each; 20 to 25 leaves, $2.00 each.

Arundo donax variegata, strong field-grown clumps, $5.00 per 100

Asparagus Sprengerii, seedlings from flats, 80c. per 100 postpaid; plants from 3-inch pots, good stuff, $1.75 per 100, f.o.b.

Crinums, Amaryllis, etc., in large stock. Send for List.

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

OAK PARK NURSERIES

500 **Carolina Poplars**, 12-14 ft., 12c.; 1000 **Arbor Vitæ**, 6-7 ft., very fine; 500 **Norway Spruce**, 4-6 ft., fine; 500 **Norway Spruce**, 3-4 ft., fine; 500 **Norway Spruce**, 2-3 ft., fine. Address

M. F. TIGER, - Patchogue, L. I., N. Y.

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Ask for Our Catalogue.
It Will Interest You.

ENDTZ, VAN NES & CO.,

BOSKOOP, HOLLAND.

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NURSERYMEN

and others having good, clean, sharp photographs of subjects of interest to the trade, such as

Shade & Ornamental Trees,
Flowering Shrubs,
Evergreens,
Hedges, etc., etc.

are asked to kindly communicate with the publishers of the Florists' Exchange, 2 Duane St., New York City.

GERANIUMS

Extra strong 3 inch pots, in bud and bloom, S. A. Nutt, Gen. Grant, Poitevine, Landry, Charlotte, Viaud, Montmort, Patters, Double Scarlet Dwarf for border, and other varieties. $4.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Elegant stock, in bloom: S. A. Nutt, Gen. Grant, Glory de France, and other varieties. Extra large plants, $6.00 per 100; 3 in., large plants, in flower, $4.00 per 100.

Vinca Variegata, long vines, $8.00 per 100.
Dracæna Indivisa, 6 in. pots, $3.00 per doz.

Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

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GERANIUMS

20,000 strong plants, in 3½ and 4 inch pots. They are handsome plants in perfect condition and covered with flowers, and consists of: A. Ricard, Dble Gen. Grant, Beaute Poitevine, Mrs. E. G. Hill, La Favorite, S. A. Nutt, etc. $8.00 per 100.

J. T. LOVETT
LITTLE SILVER, N. J.

Mention the Florists' Exchange when writing.

Geraniums and Chrysanthemums

Geraniums in good variety, double and single, 3 in., strong, $5.00 per 100; **Chrysanthemums,** rooted cuttings, White Ivory, Glory of Pacific and Whilldin, $1.50 per 100. Appleton and Eaton, $2.00 per 100.

WM. SWAYNE, Box 226,
KENNETT SQUARE, PA.

Mention the Florists' Exchange when writing.

BARGAIN OFFER

By the Pennsylvania Railroad

For the following Tender Stock

		Per 1000
8,000	**Geraniums** in variety	$45.00
7,000	**Alternantheras** in variety	20.00
3,500	**Variegated Stevia**	15.00
6,500	**Coleus** in variety	20.00
1,000	**Cineraria Maritima**	20.00
900	**Achyranthes**	25.00
400	**Geranium,** mixed colors. . . . . .per 100	2.00

Above stock can be seen at the greenhouses of the Pennsylvania R. R. at Newark, Del. Stock in the best of condition. Send orders to

E. F. BROOKS
Gen. Supt., P. R. R. Wilmington, Del.

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GERANIUMS

	Per 100
ASTERS, Semples, in 5 varieties, 2½ in. pots	$1.50
AGERATUMS, in 3 varieties, 3½ in. pots	2.50
CENTAUREA gymnocarpa, 2½ in. pots	2.00
COLEUS, in variety, 2½ in. pots	2.00
FUCHSIAS, in variety, 2½ in. pots	2.00
" " in bud and bloom, 4 in. pots	6.00
GERANIUMS, in variety, in bud and bloom, 4 in. pots	5.00
HELIOTROPES, in variety, 2½ in. pots	2.00
" " 3½ in. pots	4.00
GERANIUMS, Happy Thought, 2½ in. pots	3.00
ROSE GERANIUMS, 4 in. pots	5.00
SALVIA SPLENDENS, 4 in. pots	4.00
VINCA VARIEGATA, 4 in. pots	8.00

At these prices the selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

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GERANIUMS

	Per 100
To close out, 2½ and 3 in. pots	$3.00
Alternanthera, red and yellow	2.00
Asparagus Sprengeri, nice plants	2.00
Asparagus Plumosus Nanus, July	2.50
Centaurea Gymnocarpa	2.00
Asparagus Plumosus Seed, $6.50 per 1000.	

COLEUS

	Per 100
15 vars., 2 and 2½ in. pots	$2.00
Smilax, 2 in. pots	1.00
Vinca Vines Var., 2 in. pots	2.00
Primroses Chinensis, July	2.00
Obconica, Alba and **Rosea**	2.00
Forbesi	2.00

Cash Please.

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STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

Standard sorts, double and single
$2.00 per 100.

	Per 100
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Begonia Sandersoni	5 00
Cinnamon Vine Bulbs	2 50
Hardy English Ivy	2 00
Lemon Verbena	2 50
Petunia, Double Fringed	2 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and John Pfister, which grow about 7 inches high.
$2.00 per 100; $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, $2.50 per 100.

CANNAS, dormant roots, mixed, **$1.00** per 100; named, **$2.00** per 100.
Strong plants, from 3 in. pots, standard sorts, **60c.** per doz.; **$4.00** per 100; **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mme. F. Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00
Second size, 4 to 6 in	1 00

WATER LILIES

Nymphæa odorata gigantea, 50 cts. per doz.; $3.50 per 100.

Nymphæa odorata rosea, 25 cts. each; $2.00 per doz.

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

BEDDING PLANTS.

Geraniums, from 3 and 4 in. pots, all double, in bud and bloom, $5.00 per 100; **Salvia,** Silver Spot and Splendens, from 2½ in. pots, strong, $3.00 per 100; Transplanted Seedlings from bench, $2.00 per 100; Double and Single Fringed **Petunias,** in bud and bloom, 3 in. pots, $4.00 per 100. Double Sweet Alyssum, 2½ in. pots, $2.00 Per 100. Cash with order. The above plants are healthy and satisfaction guaranteed.

C. LAWRITZEN, Rhinebeck, N.Y.

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IN FULL BLOOM.

GERANIUMS

JEAN VIAUD
AND
BEAUTE POITEVINE.

Fine 4-inch stock, $6.00 per 100.

CASH PLEASE.

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VERBENAS

UNEQUALED VARIETIES.
VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00

Healthy Stock CARNATIONS From 2 in. Pots

	Per 100
Harry Fenn, Cressbrook, Golden Beauty	$6.00
Lorna	4.50
Gold Nugget	4.00
Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba, Frances Joost	3.00

Strong Plants CANNAS From 3½ in. Pots

Alphonse Bouvier, Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos. S. Ware, $6.00 per 100.

Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres. Cleveland, Papa, Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy, Tarrytown, price $8.00 per 100.

For dormant tubers see page 533 issue May 9th.

Own Root ROSES Healthy Stock

Bride
Bridesmaid { From 3-in. pots, $7.00 per 100; $60.00 per 1000.

GRAFTED ROSES.

		Per 100
Golden Gate, **Bridesmaid,** **Bride,** **Wootton**	3-inch pots	$15.00
	2¼-inch pots	12.00

CHRYSANTHEMUMS

Fine stock from 2½ in. pots.

Adula, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, G. W. Childs, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L. Park, Nagoya, Polly Rose, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100: $35.00 per 1000. Ada Spaulding, H. W. Rieman, J. A. Lager, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Marg. Graham, Mme. F. Bergmann, Niveus, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sale.

	Size Pots	Per 100
Achyranthes, Emersonii, etc.	2¼ in.	$3.00
Anthemis, Double Golden Marguerite	2¼	3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney	3	5.00
	2¼	3.00
Cuphea, Platycentra	2¼	3.00
Coleus, all the leading varieties	3	4.00
" " " " "	2¼	3.00
Cannas, varieties as above list		$6.00 and 8.00
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	3.00
" " " "	3½	7.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Hydrangea Otaksa	5	25.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	3.00
" " " strong	4	10.00
Pelargoniums, 4 varieties	3½	12.00
" " "	2½	6.00
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
" " " "	3½	5.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00
Vinca Variegata and Elegans	3	4.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100; $30.00 per 1000. **Golden Gate,** 2 in. pots, $20.00 per 1000. **Ivory,** $4.00 per 100. **Helen Gould,** $6.00 per 100. **Mrs. Oliver Ames,** $10.00 per 100. **Bridesmaid,** $3.00 per 100. **Liberty,** 2 in. pots, $6.00 per 100. Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

LOOK! LOOK! LOOK!

15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.

Cash with order.

W. T. HILLBORN, "Florist,"
Newtown, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

NEW PEDIGREE ROSES.

Send for description and colored plate of our Six New Climbing Roses. These originated in our own collection by careful cross-fertilization, and are unquestionably superior to anything of their class.

Edwin Lonsdale, pale lemon-white.
Wm. K. Harris, pale flesh color.
Wm. F. Dreer, creamy-white, pink edging.
Prof. C. S. Sargent, rich yellow and buff.
Robert Craig, yellow, shaded with apricot.
John Burton, delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES BRO. & THOMAS, Maple Ave. Nurseries,
WEST CHESTER, PA.

Mention the Florists' Exchange when writing.

ROSES

FINE CLEAN STOCK

Bridesmaid and Bride:

3½-inch pots	$ 6.00 per 10
	50.00 per 100
2½-inch pots	3.00 per 10
	25.00 per 100

E. R. FRY FLORIST CO.
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

ROOTED CUTTINGS.

Special Price, $1.25 per 100.

2500 each of Heteranthe and Jean Viaud.

500 each of Bonnot, Acteon, Poitevine and La Favorite.

250 each of Perkins, Ricard, Harrison and Jaulin.

1000 Castris and 750 Landry.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

ROSE GERANIUMS. Very strong 3s, $4.00 per 100.

AGERATUM. Pauline and Gurney; strong bushy, 3-inch, in bud, $3.50 per 100.

LOBELIA. Emperor William; best dwarf, dark blue; strong and fine, 2-inch, $2.00 per 100.

CANNAS. Finest varieties grown, very stout, 4 in., ssorted, $1.00 per doz.

FORGET-ME-NOT Constance, new Ever-blooming, transplanted, cold-frame grown in bud and bloom, $1.50 per 100.

ALYSSUM, Pumilum Compactum. The most dwarf and compact variety grown; perfect balls of white, 2 in., $2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50 cts.

PANSY FINEST GIANT. Critically selected, 5000 seeds, $1.00; ½ pkt., 50 cts.

CINERARIA. Finest large flowering dwarf mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. Finest large flowering, 1000 seeds, 50 cts.

DAISY. Double Giant White and Rose, separate and mixed, 100 seeds, 25 cts.

CALCEOLARIA. Dwarf, large flowering, tigered and spotted, 1000 seeds, 50 cts.

Cash. Extras added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

Mention the Florists' Exchange when writing.

YOUNG ROSE PLANTS

BRIDE and BRIDESMAID On Own Roots

From 2¼, 3 and 4-in. pots, at $25.00, $35.00 and $45.00 a 1000.

NEWTONVILLE AVE. GREENHOUSES,
OHN PRITCHARD, Superintendent NEWTONVILLE, Mass.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.; Sunrise, 2½ in., 3 in.; American Beauty, 2½ in., 3 in.; Liberty, 2½ in., 3 in. NO SAMPLES SENT.

YERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

.000 **BRIDE**, } 3 in pots, $4.00 per 100.
.000 **BRIDESMAID**, }
.000 **BRIDE**, 2½ in pots $3.00 per 100.
Left over from stock reserved for our own lanting.

THE FLORAL EXCHANGE,
Edgely, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

Rose Plants

	Per 100
Bridesmaid, 3-inch pots,	$3.50
Bride, 3-inch pots,	3.50
vory, 3-inch pots	4.50

JAMES E. BEACH,
2019 Park Av., Bridgeport, Conn.

ROSE PLANTS

Extra Fine Quality.

AMERICAN BEAUTY

2½ in., $6.00 per 100; $50.00 per 1000.
3 in., $7.50 per 100; $65.00 per 1000.

LIBERTY

2½ in., $7.00 per 100; $60.00 per 1000.
3 in., $9.00 per 100; $75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill.

Mention the Florists' Exchange when writing.

ROSES

Grafted

BRIDE and BRIDESMAID

Strong, healthy stock, ready now.
2½ inch
$15.00 per 100; $120.00 per 1000

S. J. REUTER, Westerly, R.I.

Mention the Florists' Exchange when writing.

Rose Plants

2¼ in. pots.	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Golden Gate	3.00	25.00
Ivory	4.00	

CARNATIONS From Flats

	Per 100	Per 1000
Mrs. Joost	$2.00	$15.00

GEO. W. WATERFIELD, CHESTNUT HILL PHILA., PA.

Mention the Florists' Exchange when writing.

ROSES from 5 in. pots, 15 cts., fine clean plants on own roots. Clothilde oupert, Coquette des B lanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2 year, dormant or from 5 in. pots, 18 cts.; 1-year or from 3 in. pots, 9 cts. **Clematis Paniculata**, from 5 in. pots, 12 cts. Extra, from 6 in. pots, 25 cts. **Ampelopsis Veitchii**, from 3 in., 7 cts.; from 4 in., 12 cts.; from 5 in. pots, 18 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

CRIMSON RAMBLERS

In pots, well budded, timed to bloom Memorial Day, $9.00 and $12.00 per doz.

HYDRANGEAS, $6.00, $9.00 and $12.00 per doz
HYBRID ROSES, $6.00 per doz.
Cash with order, please.

A. SCHULTHEIS,
P. O. Box 78,
COLLEGE POINT, L. I., N. Y.

Mention the Florists' Exchange when writing.

ROSES

American Beauty

strictly first-class in every respect and as fine stock as we have ever offered. 2¼ inch, $6.00 per 100; $55.00 per 1000.

Bride and Bridesmaid

2¼ inch, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS 2¼-in. Pots

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes

Write us for prices before ordering elsewhere.

ALSO MODEL EXTENSION CARNATION SUPPORT

ICOE BROTHERS, 226 North 9th St., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
Kaiserin	3.50	30.00
Bridesmaid	3.50	30.00
Bride	$3.50	$30 00
Golden Gate	2.50	20.00
Perle	3.50	30.00
Sunrise	7.00	65.00

Meteor, 3½ in pot plants, $5.00 per 100, $45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE. CHICAGO, ILL.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

DREER'S ROSES

Selected Two-Year-Old

These Roses are field-grown plants which were potted up during December and January and stored in cold houses during the winter, making the best possible stock for selling to the retail trade.

The prices noted are for strong plants in 5 and 6 inch pots (according to the growth of the variety).

In ordering, state if substitutes may be furnished if certain varieties are sold out.

	Per doz.	Per 100
Abel Carriere	$3 00	$25 00
Alfred Colomb	3 00	25 00
" K. Williams	3 00	25 00
Anna de Diesbach	3 00	25 00
Anne of Gierstein	2 50	20 00
Beauty of Waltham	3 00	25 00
Boule de Niege	3 00	25 00
Brenda	2 50	20 00
Camille Bernardin	3 00	25 00
Captain Christy	3 00	25 00
Chas. Lefebvre	3 00	25 00
Countess of Rosebery	3 00	25 00
Coquette des Blanches	3 00	25 00
Dr. Andry	3 00	25 00
Duke of Edinburgh	3 00	25 00
Duke of Teck	3 00	25 00
Duke of Wellington	3 00	25 00
Dupuy Jamain	3 00	25 00
Earl of Dufferin	3 00	25 00
Eclaire	3 00	25 00
Etienne Levet	3 00	25 00
Eugene Furst	3 00	25 00
Evergreen Gem	2 50	20 00
Fisher Holmes	3 00	25 00
Gardenia	2 50	20 00
Gen. Jacqueminot	3 00	25 00
Gloire de Margottin	3 00	25 00
Grand Mogul	3 00	25 00
Gustav Piganeau	3 00	25 00
Heinrich Schultheis	3 00	25 00
Hellen Keller	3 00	25 00
Hermosa	2 00	15 00
Jean Liabaud	3 00	25 00
Jenny Dickson	3 00	25 00
Jersey Beauty	2 50	20 00
John Hopper	3 00	25 00
Jules Margottin	3 00	25 00
La France	3 00	25 00
Louis Van Houtte	3 00	25 00
Magna Charta	3 00	25 00
Manda's Triumph	2 50	20 00
Marchioness of Lorne	3 00	25 00
" " Downshire	3 00	25 00
" " Dufferin	3 00	25 00
Margaret Dickson	3 00	25 00
Marshall P. Wilder	3 00	25 00
Meg Merrilies	2 50	20 00
Mme. Gabriel Luizet	3 00	25 00
" Victor Verdier	3 00	25 00
Pink Roamer	2 50	20 00
Prairie Queen	2 50	20 00
Pride of Waltham	3 00	25 00
Prince Camille de Rohan	3 00	25 00
Psyche	3 00	25 00
Queen of Queens	3 00	25 00
Rodocanachi	3 00	25 00
Rosieriste Jacobs	3 00	25 00

	Per doz.	Per 100
Rugosa	2 50	20 00
" Alba	2 50	20 00
Soleil D'Or	3 00	25 00
Soupert Climbing	2 50	20 00
Star of Waltham	3 00	25 00
Tom Wood	3 00	25 00
White Rambler	3 00	25 00
" Provence	2 50	20 00
Wichuraiana	2 00	15 00
Yellow Rambler	3 00	25 00

HENRY A. DREER, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking **Chrysanthemums**, Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York City

Branch Store, 404 East 34th Street, New York.

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted.
$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

IVORY 'MUMS

AS TENDER AS SPRING CHICKENS.

Also Appleton, Mrs. Jerome Jones, John K. Shaw, Robinson, etc., out of 2¼ inch pots, branched or single stem, your choice, $2.50 per 100; $20.00 per 1000. Exhibition Varieties and Novelties of 1902, $4.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

'MUMS

Bonnaffon, Pink Ivory, Eagan, Modesto, Weeks, Pres. Smith and 25 other kinds, rooted cuttings, $1.00 per 100. Prepaid for 10 cts. extra.

Coleus, 10 best bedders, rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

Ageratum, Gurney, P. Pauline and Best White, R. C., 60 cts. per 100.

Stevia Serrata, R. C., 75 cts. per 100.

Salvia Splendens, fine, 2 in, $2.00 per 100; $18.00 per 1000.

Cobæa Scandens, 3 in., 4 cts.

Cuphea (Cigar Plant), R. C., 40c. per 100. Extra strong Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

WELL ROOTED CUTTINGS

In following varieties. Stock guaranteed or money refunded. $12.00 per 1000.

Eaton, Niveus, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, J. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean.

Plants from 2 in. pots, $20.00 per 1000.

CASH WITH ORDER.

L. I. NEFF, Pittsburg, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings.

G. Kalb, Polly Rose, Ivory (pink and white), Glory of the Pacific, Mrs. Murdock, F. R. Hayes, Merry Monarch (white and yellow), M Henderson, R. Halliday, W. Molatsch, Bonnaffon, Appleton, Rieman, $1.25 per 100; $10.00 per 1000. T. Eaton, $1.50 per 100. Many other varieties in smaller lots.

CASH WITH ORDER.

G. F. NEIPP, Aqueduct, L. I., N. Y.

Jamaica Post Office, Woodhaven Station

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.

302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

SPECIAL SALE

		100
Geraniums	4 in.	$6.00
"	3 "	4.00
Pelargoniums	4 "	7.00
Dracæna Indivisa	4 "	8.00
A few 6 and 7-in. pots, 40 cts. each.		
Verbenas	3 "	3.00
"	2¼ "	1.75
Petunias, from Dreer's superb double seed	4 "	5.00
Ageratum, Coleus.	2¼ "	2.00
Cannas	4 "	6.00
"	3 "	4.00
Vincas	4 "	10.00
Heliotrope	3 "	3.00
Dwarf Forget-Me-Nots		1.00

J. S. BLOOM, RIEGELSVILLE, PA.

CARNATIONS

From 2-Inch Pots.

TO CLOSE OUT.

		Per 100
500	**Mrs. Roosevelt**	$12 00
200	**Golden Beauty**	6 00
200	**Viola Allen**	6 00
1000	**Harry Fenn**	6 00
1000	**Alpine Glow**	10 00
250	**Gaiety**	6 00
100	**Marshall Field**	10 00
200	**Penelope**	8 00
100	**Floriana**	3 00
200	**Challenger**	6 00

THE COTTAGE GARDENS, Queens L. I., N. Y.

20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Fine rooted cuttings of the following varieties: **Halliday, Willowbrook, T. Eaton, Col. D. Appleton, Rieman, Lincoln, Hayes, Ivory Pink and White, M. Dean, W. Molatsch, J. Shrimpton, Robinson** and **Adrian,** at $1.50 per 100; **J. R. Weir,** 50c. each, $4 00 per doz., $25.00 per 100. Cash with order. Address

H. A. MOLATSCH, 68th St., 9th Ave. Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3 00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6 00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

Pelargoniums in best varieties, in bud and bloom, 2½ in. pots, $6.00 per 100.

Geraniums, Best bedding sorts, 4 in. pots, $7.00 per 100
2¼ in. pots, $3.00 per 100

Cannas, 3 in. pots, $5.00 per 100.

Vinca Major Variegata, 2½ in. pots, $3.00 per 100

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

ASTERS in pots, $1.00 per 100; Comet, Truffaut, Victoria, and Semples; mixed colors.
ZINNIAS in pots, $1.00 per 100; white, yellow, scarlet, crimson, and rose.

J. B. SHURTLEFF & SON,
Cushman Avenue, REVERE, MASS.

Mention the Florists' Exchange when writing.

GERANIUMS

$6.00 per 100.

Geraniums, X size, $8.00 per 100; **Coleus** and **Salvias,** in variety, $3.00 per 100; $25.00 per 1000. **Caladium,** $6.00, $8.00 and $10.00 per 100.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

GERANIUMS

S. A. Nutt, Jean Viaud, Marquis de Castelane, etc., 4 in, $5.00 per 100.

FUCHSIAS

Little Beauty, 3 in., $5.00 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

PANSY PLANTS

Largest flowering mixture of **Show Varieties,** large transplanted plants, in bloom, $1.00 per 100; $8.00 per 1000. Second size, in bloom, 75 cts. per 100; $5.00 per 1000. **Bellis** (Daisies), strong blooming plants in largest double red and white, $2.00 per 1000. All above 500 at 1000 rates.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

Rose Geraniums, from 2¼ in, pots; $2.25 per 100, $20.00 per 1000.

Lemon Verbena, from 2 in. pots, $2.00 per 100; $15.00 per 1000;

CASH WITH ORDER.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

COLEUS

Golden Bedder, Crimson Verschaffeltii and 20 other varieties. Rooted cuttings, 60c. per 100; $5.00 per 1000. 2 in. pots, $1.50 per 100; $15 per 1000.
Ageratum, P. Pauline, Stella Gurney, 2 in. pots, $1.50 per 100.
Heliotropes, dark, 2 in. pots, $1 50 per 100.
Alternantheras, 2 in. pots, P. Major, $1.60 per 100; $16.00 per 1000. A. Nana, $1.40 per 100; $14.00 per 1000.
Pansy Plants, in bloom, $1 00 per 100; $8.00 per 1000.
Salvias, 2½ in. pots, $2.00 per 100.
Geraniums, red, scarlet and pink, 3 in. pots, $3.50 per 100.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N. Y.

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET Trenched in, ready for shipment, 2-yr., 2 to 3 ft., $25.00 per 1000; 1½ to 2 ft., $14 00 per 1000. Packing free. Cash with order. Rooted Cuttings, 60c. per 100, prepaid.

Atlantic Coast Nurseries, Asbury Park, N. J.
Office, 606 4th Avenue.

Mention the Florists' Exchange when writing.

Carnation Plants

3000 Happy Day, $12.50 per 1000.
800 The Marquis, $1.00 per 100.

These plants have been in soil since March 1st and are very fine and healthy. Cash or C.O.D.

W. B. Girvin, Leola, Pa.

FLOWERING PLANTS FOR DECORATION DAY

Geraniums, Nutt, Poitevine, Ricard, fine 2½, 3½ and 4 in. pots, $3.00, $6.00 and $7.00 per 100. **Petunias,** single, fine strain, 2½ and 3 in. pots, $2.00 and $3.00 per 100. **Verbenas,** 2½ and 3 in., $2 00 and $3.00 per 100. **Coleus,** G. Bedder and Verschaffeltii, $2 00 per 100. Salvias, 2½ and 3 in., $2.00 and $3.00 per 100. Lobelia, assorted, 2½ and 3 in., $2.00 and $3.00 per 100. Stocks, double and single, 2½ and 3½ in. $2.00 and $3.00 per 100. **Ageratum** 2½ and 3½ in., $2.00 and $3.00 per 100. **Alyssum,** single, 2½ and 3 in., $2.00 and $3.00 per 100. **Violets,** Princess of Wales, $1.50 per 100; $12.50 per 1000. **California and Dorsett,** $1.00 per 100; $7.50 per 1000. Cash. This stock is in fine condition.

Waverly Greenhouses, Tuckahoe, N. Y.

FERNS OUR SPECIALTY

Our first crop of **Fern Seedlings** is now ready for potting, including the following varieties:

Pteris cretica cristata, Pteris cretica albolineata, Pteris serrulata, Pteris serrulata densa, Pteris Adiantoides, Aspidium Tsussimense, Lastrea Chrysolaba, Lomaria Gibba, Dodia aspera, Onychium Japonicum, Adiantum cuneatum and Adiantum pubescens. Equal number of each at $1.00 per 100; $8.50 per 1000. 500 at 1000 rate If by mail add 10 cts. per 100 for postage.

MIXED FERNS, for dishes, 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rates.

ADIANTUM CUNEATUM, just the thing to plant out in benches now for next season. 4 in., $9.50 per 100; $90.00 per 1000. 5 in., $12.00 per 100.

FERN SPORES, gathered from our own stock, 30 cts. per trade pkt; 10 pkts., $2.50.

Telephone, 29-1

ANDERSON & CHRISTENSEN
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

In bud and bloom. S. A. Nutt, Marvel, Mrs. E. G. Hill, Jean Viaud, Bruant, Mme. Chevilliere, Gen. Dodd, Alphonse Ricard, Beaute Poitevine, etc. 3 in., $5 00 per 100; 4 in., $6.00 and $8.00; 5 in., $15.00.

CANNAS Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc. All well started in 4 in. pots, at $8.00 and $10.00 per 100.

ALTERNANTHERA 2½ in., $2.50. **Coleus,** 2½ in., $2.50; 3 in, $3.50 per 100.

CHRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Weeks, Mayflower, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Goldmine, Golden Wedding, Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100.
Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

BOSTON FERNS 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each, 9 in., $1.50 each. Cash or C. O. D.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

SEE OUR ADVERTISEMENT

In last week's issue, page 560. SEND FOR PRICE LIST.

GREENE & UNDERHILL, WATERTOWN, N. Y.

Mention the Florists' Exchange when writing.

Geraniums

From 4-inch pots, John Doyle, Mme. Burney, ouble Gen. Grant, Mme. Jaulin, Ricard, $5.00 r 100

GERATUM, Stella Gurney and Dwarf Blue, from 3-in pots, fine, $3.00 per 100. Cash.

R. PABST, Rutledge, Del. Co., Pa.

ention the Florists' Exchange when writing.

OLEUS

Red and Yellow, $5.50 per 1000. Brightest fancy, $4.50 per 1000. ANT-LEAVED, 20 var., very showy, 65c. per 100. **Branchy Stock** for immediate planting, 5 in. high, strong roots, red, yellow and giant, $1.60 per 100. Fancy, $1.30 per 100.

ternanthera Fine new bright reds, $1.00 per 100. Bushy cuttings, 65c. per 100.

Daniel K. Herr, Lancaster, Pa.

ention the Florists' Exchange when writing.

Double Fringed PETUNIAS

A No. 1 collection of money makers, strong plants om 2 in. pots, $2.00 per 100. **Verbenas,** Mammoth Fancy Strain, 2 in., $1.50 per 100. Also **Geraniums, Chrysanthemums, Heliotrope, Asrs, Selaginellas,** etc.

. I. RAWLINGS, Quakertown, Pa.

ention the Florists' Exchange when writing.

N BUD AND BLOOM

	100
eraniums, S. A. Nutt, Bruant, Mme. Thibaut, La Favorite and other good vars., red, pink, salmon and light, from 3½ in pots	$5.00
eliotrope, 3 best vars., 3½ in. pots	5.00
etunias, Dreer's Strain, 3½ in. pots	5.00
inca Vines, 3 in. pots	3.00
rge Flowering Single **Petunias,** 3 in pots	2.50
asturtiums, 3 in. pots	2.50
arlet Sage, 2½ in. pots	2.50
geratum, Dwarf, blue, 2½ in. pots	2.00
annas, in fine vars., 4 in. pots	5.00

Cash with order.

M. J. CHINNICK, Trenton, N. J

ention the Florists' Exchange when writing.

LTERNANTHERAS

Red and Yellow, out of 2 inch pots, $2.50 r 100; $22.50 per 1000. Cash with order r certified check.

. STAHLHUT, Brooklyn, N. Y.
New Lots Road and Shepherd Ave.

ention the Florists' Exchange when writing.

ASTERS

EMPLE'S in separate colors, white, rose, shell pink, purple and lavender. $2.50 per 1000. Write for prices on large lots.

ueen of the Market, 50c. per 100.

CASH WITH ORDER.

. & G. ROSBACH, Pemberton, N J.

ention the Florists' Exchange when writing.

roperly Grown—Properly Packed

Ready July 1st.

MILAX, $1.50 per 100; $15 00 per 1000.

SPARAGUS SPRENGERI, $3.00 per 100; $25.00 per 1000.

SPARAGUS PLUMOSUS, $3.50 to $10.00 per 100.

Samples for ten cents in stamps. I have a ne lot of this stock and solicit your trade.

LBERT M. HERR, Lancaster, Pa.

ention the Florists' Exchange when writing.

BARGAIN

GERANIUMS, Double Gen. Grant, S. A. Nutt, oitevine, Buchner, Perkins and mixed, extra strong ushy plants in bud and bloom, strong, 3½-4 in., 4.50; extra strong, 4 in., $5.00; extra, 3 in., $3.50; xtra, 2½ in., $2.00 per 100; per 1000, $40.00, $45.00, 30.00 and $18.00. Mme. Salleroi Geraniums, extra rong, 3 in., $3 00 per 100; $25.00 per 1000. Extra, ½ in., $2.00 per 100; $18 00 per 1000.

VERBENAS, HELIOTROPE, SALVIA, onfire and Splendens, Giant single **PETUNIA,** xtra heavy and stocky plants, equal to 3½ in., rong, 3 in., $3.00 per 100, in bud and bloom.

AGERATUM, blue, in bloom, extra strong, ½ in. $1.50 per 100; **LOBELIA,** dwarf and trailig; **COLEUS,** Golden Bedder, Verschaffeltii, and ancy and grand leaved, mixed, extra strong 2½ in., 1.75 per 100; $16.00 per 1000. **BEGONIA VERNON,** nice plants, out of flats, $1.25 per 100; extra rong plants, $1.75 per 100. **CANNAS,** mixed, rong, 3½ in., $4.00 per 100. Cash. Satisfaction uaranteed or your money back.

VM. S. HERZOG, Morris Plains, N. J.

lention the Florists' Exchange when writing.

50,000 ASTERS

Semple's, Truffaut, Victoria and Queen of the Market, four colors of each, separate, 250 by mail, $1.00; per 1000, $3.00.

	Per 100
PETUNIAS, Ruffled Giants and Grandiflora, single, 3 in	$3 00
DRACÆNAS, Indivisa and Australis, 3 in., 15 to 18 in. high	5 00
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in.	2 00
AGERATUM, Stella Gurney, Perfection and Pauline, 2 in	2 00
COSMOS, Giant Flowering, 2 in.	2 00
	Per Doz.
DAHLIA, Twentieth Century, 3 in	1 00
HOLLYHOCK, Henderson's Everblooming, 3 in.	1 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing.

CANNAS

Dormant or started, fine plants: Austria, Burbank, Marquant, Mme. Crozy, $1.50 per 100. Italia, Allemania, Alba Rosea, Mme. Bouchard, Black Prince, Bouvier, John White, McKinley, Florence Vaughan, President Cleveland, Robusta, bronze, Secretaire Chabanne, Egandale, Beaute Poitevine, $2.00 per 100; Mrs. Kate Gray, the finest of all, $4.00 per 100.

DAHLIAS

Field-grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O., BALTIMORE MD.

Mention the Florists' Exchange when writing.

Surplus Stock

CUT PRICES WHILE THEY LAST.

Hydrangea, Thos. Hogg and Monstrosa, strong 2½ in. extra fine, $2.50 per 100; $20.00 per 1000.

Violets, 2½ in., very fine, California, Prince of Wales, Luxonne, Lady Hume, Campbell, $2.00 per 100; $18 00 per 1000.

Clematis Paniculata, 3 years old, strong field-grown, $6 00 per 100.

Cypress Alternifolius (Umbrella Plant), $2.00 per 100; $18.00 per 1000.

Vinca Variegata, $2.00 per 100; $18.00 per 1000.

Achillea, The Pearl, $2.00 per 100.

Lemon, American Wonder, $2.50 per 100; $20.00 per 1000.

Daisy, 2½ in., white and yellow, $2.00 per 100.

Verbenas, 2½ in., $2.00 per 100; $18.00 per 1000.

Honeysuckle, golden leaved, Halleana and Chinese Evergreen, $2.00 per 100; $18.00 per 1000.

Lantanas, $2.00 per 100.

THE SPRINGFIELD FLORAL CO.
Reorganization of JNO. A. DOYLE & Co.
SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing

GENISTA.

2½ in., per doz. 75 cts.; per 100, $5.00.

	Per doz.	Per 100
Abutilon Savitzii, 2½ in	$0.75	$5.00
Pansy Pelargonium, 2½ in	.75	5.00
Allamanda Williamsii, 2½ in	.75	5.00
Cannas. New and Standard kinds. Send for list.		
	Per doz.	Per 100
Clerodendron Fragrans, 2½ in	.75	5 00
Araucaria Excelsa, 2 to 3 tiers	5.25	
Araucaria Excelsa, 3 to 4 tiers	7.50	
Asparagus Sprengeri, 2½ in		4.00
Carex Japonica, 2½ in	.80	6.00
Geraniums (send for list)		2.50

THE CONARD & JONES CO., WEST GROVE, PA.

Mention the Florists' Exchange when writing.

BEGONIAS

2½ in., $2.50 per 100.
Argentea Guttata, Metallica, Thurstonii, Marguerita.

SALVIAS, 2½ in., $2.50 per 100; Splendens, The President and Chreaton.

COLEUS, 12 varieties, 2 in., $2.00 per 100.

GERANIUMS, 2 in., $2.50 per 100; Mme. Salleroi and Mt. of Snow.

DOUBLE NASTURTIUMS, 2 in., $2.50 per 100.

CENTAUREA GYMNOCARPA, 2 in., $2.00 per 100. Cash with order.

C. P. DIETERICH & BRO., Maysville, Ky.

Mention the Florists' Exchange when writing.

COLEUS Verschaffeltii, Golden Bedder and other good sorts, fine plants, no cuttings have been removed, from 2½ in. pots, $2.00 per 100. $17.00 per 1000. **Geraniums,** 2½ in. pots, in bloom, $3.00.
Cash with order. **MRS. M. CAVANAUGH, Ionia, N.Y.**

Mention the Florists' Exchange when writing.

ENGLISH IVY

Fine plants, out of 4 in., pots	$10 00	per 100
" " " 5 " "	20 00	" "
Rooted Cuttings	1 50	" "
Pansy, fine plants, Roemer's strain, in bloom	20 00	" 1000

For growing on: **Hydrangeas,** 4 in., nice plants, $6.00 per 100; Rooted Cuttings, $2.00 per 100. **Genista,** dwarf, fine plants, out of 2½ in. pots, $4.00 per 100. **Begonia semperflorens,** 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

CHAS. ZIMMER, West Collingswood, N. J.

Mention the Florists' Exchange when writing.

Seasonable Stock

All from 2½ in. pots except where noted.

	Per 100.
Hollyhocks	$2.50
Fuchsias	2.50
Asparagus Sprengeri, 2½ in.	2.50
Asparagus Plumosus, 6 in.	12.00
Two-year Roses, best varieties	8.00
Vineas, 2 in.	2.50
Coleus	2.00
Cannas 3 in. 4.00 per 100; 4 in.,	5.00

VIOLETS.

	Per 100.
Hardy English	3.00
Marie Louise	3.00
Campbell	3.00
Swanley White	3.00
Geraniums 2½ in. 2.50 per 100; 3 in.	4.00
Sanseviera Zeylanica	2.50
Ivy Geraniums	4.00
Ageratums, 3 colors	2.50
Salvias	2.50
Cigar Plants	2.50
Ampelopsis Veitchii	3.00
Hydrangea Paniculata, 2-year	7.00
Spiræa Van Houttei, 2-year	7.00

NATIONAL PLANT CO., DAYTON, OHIO.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000. Extra well-grown plants, from 2½ in. pots, $5.00 per 100; $45.00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Geraniums. Standard varieties, extra fine, well-grown plants from 3 in. pots, in bud and bloom, $5.00 per 100; $45 00 per 1000. From 4 in. pots, $7.00 per 100.

Cannas. Dormant tubers, Henderson, Chicago, Vaughan, Charlotte, Bouvier, Papa Canna, $12.00 per 1000. Started from sandbed, $20.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2 in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	6 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum,** dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia,** dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00
Pansies, strong plants, fine strain, $2.50 per 100; $20.00 per 1000.	

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

VERBENAS

IN BUD AND BLOOM

2½ in. pots, $2.50 per 100; $20.00 per 1000
3 " 3.00 " 25.00 "

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CANNAS AND CARNATIONS

50,000 Potted and Dormant Cannas.

Potted List—Mme. Crozy, Florence Vaughan, Queen Charlotte, Alsace, Philadelphia, Golden Moon, Duke Marlborough, Souvenir d' Antoine Crozy, President McKinley, Leopard, Shenandoah (fine bronze-leaved), $6.00 per 100; Maiden's Blush, Rosemaur (pink), $8.00 per 100; Black Beauty, 15 cts.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Canary Bird, Burbank, Austria, $2 00 per 100; $15 00 per 1000.

5000 Lady Hume Campbell Violet Plants, from soil, $1.00 per 100.

20,000 CARNATIONS from soil, fit to plant.
Ethel Crocker, Genevieve Lord, Mrs. Joost, Wm. Scott, Lizzie McGowan, Flora Hill, White Cloud and Mack Richmond, red, $1 50 per 100; $12.00 per 1000. Queen Louise, $2 50 per 100.

500 Started **Caladiums,** from sand, 6 cts.
1000 **Tritoma Uvaria,** field roots, 6 cts.
1000 Double Red and Single Pink **Geraniums,** 2½ in., $2.00 per 100.
1000 **English Ivy,** 2½ in., $3.00 per 100.
1000 Dormant **Ampelopsis Veitchii,** strong, pot grown, $4.00 per 100

Send for list. **Cash please.**

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

New White CANNA MONT BLANC

The Greatest Novelty in Cannas

MONT BLANC will become one of the most popular Cannas for bedding purposes; it contrasts so beautifully with the crimson varieties, and grows so even in beds. It has ample bright green foliage; the flowers have fine form, the spikes are large, entirely erect and are borne just the right distance above the foliage.

Potted Plants, 75c. each, $7.50 per doz., $50.00 per 100.

Send for List and Prices of 50 other leading varieties of Cannas.

New Crimson Rambler, "PHILADELPHIA"

Flowers larger, more double, do not fade white, more durable, brighter color, not subject to mildew as Crimson Rambler is. 2½ in.

$1.50 per doz., $10.00 per 100, $80.00 per 1000.

THE CONARD & JONES CO., WEST GROVE PA.

Mention the Florists' Exchange when writing.

If you want the best paying crop that you can plant for Summer, plant

THE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The demand has been so great and our advance sales so large that we have not offered it recently, having only just completed filling our advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. **Now is the time to invest** in it and get the benefit of the tremendous demand and good prices which are sure to prevail another season.

The **BOSTON FERN,** although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

Nephrolepis "Anna Foster"

Is rapidly growing in popularity among those careful growers who have been watching its progress during the past few months. Large specimens are exceedingly graceful.—American Florist, April 4.

Beautiful plants, 3-inch, $20.00 per hundred, now ready.

20,000 Boston Ferns now ready at $25.00 per 100, cut from bench. Orders booked now for small Boston Ferns for Summer delivery.

Kentias, very fine, $50.00, $75.00, $100.00 per 100.

Red Ribbed Rubbers, 2 ft., $6.00 per doz.

100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

FERNS.

Best varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

BOUGAINVILLEA, 4 and 5 in., $2.50 per doz.

BEGONIA METALLICA, 3 in., $3.00 per 100.

ABUTILON, Eclipse and Splendens, 3 in., $3.00 per 100.

ANTHERICUM, variegated, 3 in., $3.00 per 100

LOBELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.

CHRYSANTHEMUMS, Appleton, Eaton, White, Bonnaffon, Ivory, and other best commercial varieties. Our selection of varieties, your selection of colors, from 2½ in. $2.25 per 100.

CASH WITH ORDER, PLEASE.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00, 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz., 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.
NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Adiantum Cuneatum, 3½ in. pots, $1.25 per doz.; 5 in. pots, $2.00 per doz.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100,

Geraniums, 3½ in. pots, $7.00 and $8.00 per 100.

Heliotrope, 3½ in. pots, $6.50 per 100.

Fuchsias, 5 in. pots, $12.50 per 100; 3½ in. pots, $6.50 per 100.

Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5 and 6 in., $25.00, $40.00 and $100.00 per 100.

Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.

Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.

Asparagus Sprengeri, 3 in., $5.00 per 100.

Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.

English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.

Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.

Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, Bonnot, Frances Perkins, 2 in., $2.50 per 100; 3 in. pots, $5.00 per 100.

Gladiolus Bulbs, good mixture, 50c. per 100.

Pansies, ready to bloom, $1.00 per 100.

Cannas, 3 in., $4.00 per 100.

Verbena, Scarlet Sage, Petunia, Coleus, mixed; **Ageratum,** blue and white, **Lobelia, Achyranthes,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

20,000 KENTIA BELMOREANA SEEDLINGS, from the bench, $25.00 per 1000.

PANKOK & SCHUMACHER,
Eleventh Ave., WHITESTONE, L. I., N.Y.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

Orchids. Florists' Orchids.

CATTLEYAS DENDROBIUMS CYPRIPEDIUMS.

Large Importations Just Arrived.

SANDER & SONS, St. Albans, England.
Agent, A. DIMMOCK, 136 Liberty Street, New York City.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

PLUMOSUS NANUS

Good strong stock, just right for planting out, 3 in., $8.00 per 100; 3½ in., $9.00 per 100; 4 in., $10.00 per 100.

100 Asparagus Plumosus Comorensis, 3 in., $7.00. Cash with order.

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Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

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5000 VINCAS strong, 2¼ in., $2.50; 3 in., $4.00. Big value, to close.

Verbenas, $2,50.

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Tuberous-Rooted Begonias, fine 4 in., $8.00 per 100.

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4000 fine, thrifty **Geraniums,** mostly red best bedding kinds. Write for prices

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Now is a good time to get them out, and why no grow the best? La France leads them all; wi bloom two flowers to one of Princess of Wale Well rooted crowns in healthy condition: **La France,** $1.00 per 100; $8.00 per 1000. **Californi and L. H. Campbell,** 75c. per 100; $5.00 per 100 Add 15c. per 100 for mailing. Money Order Statio Eddington, Bucks Co., Pa. Cash with order, pleas

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ur specialty, 2½ in., $3.00; 3 in., $4.00; 4 in., 0; 5 in., $15.00; 6 in., $25.00 per 100. Fine stock.

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MATO PLANTS, Transplanted, 40c. per 100; $3.50 per 1000.

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2½ in., $8.00 per 100; $65.00 per 1000.

Ferns, 3 in., for fern dishes, $6.00 per 100; **Asparagus Plumosus,** out of flats, $20.00 per 1000.

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mbidium eburneum, large pure white flowers, plants run from 2 to 4 rowths, $25.00 per 100 growths.

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Cattleya labiata, fine well-leaved plants, 6 to 8 bulbs, $12.00 and $15.00 per doz.

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(Ipomœa Noctiflora.)

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y Geraniums, 7 cts.

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Coleus, Verschaffeltii, Golden Bedder, Queen Victoria, Etc	3.00
Azalea Mollis, for planting out, hardy, 6 in	20.00

25 sold at 100 rate.

The steamer Penland, which left Antwerp April 22d, had on board for me 2500 **Araucaria xcelsa,** the cream of the growers' greenhouses in Belgium. (More follow.) Will sell plants w at import prices, 3, 4 and 5 tiers, 50 cts., 60 cts., 75 cts.

Kentia Belmoreana and **Forsteriana,** 25 to 30 in. high, 5 to 6 leaves, 75 cts. bbers later).

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About May 15th, I will have ready **CANNAS** as follows: Florence Vaughan, Poitevine, Colum- , Bouvier, Mme Crozy. Bismark, 4 in. pots, $6.00 per 100. Plants taken out of pots unless other- se ordered.

Please send money with orders. **All goods travel at purchaser's risk.**

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$4.00 per 100.

From 3 inch pots. Well-established plants. Our selection of varieties; all standard sorts. Good variety of colors. (See Catalogue No. 5 for varieties and prices on purchaser's selection.

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2½ inch pots, $6.00 per 100; $50.00 per 1000. 3 inch pots, $12.00 per 100; $100.00 per 1000.

Cycas Revoluta Stems

10c. per lb. $8.50 per 100 lbs.

SALVIA SPLENDENS

$3.00 per 100.

Anemone Japonica

From 2¼ inch pots.

Alba, Rubra, Whirlwind,	$3.00 per 100
Queen Charlotte	4.00 per 100

Hydrangea Otaksa Hortensia

$3.00 per 100.

RIBBON GRASS

(Phlaris Arundinacea Variegata), $3 per 100

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FOR IMMEDIATE DELIVERY

EXTRA STRONG PLANTS from 2½ inch pots
$50.00 per 100
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BOSTON FERNS Any size and quantity ready for June delivery.

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COLEUS Verschaffeltii and Golden Bedder, from 2¼ inch pots, $2.25 per 100; $20.00 per 1000.

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CANNAS 100,000 plants in 25 of the best varieties, at very low prices. Write for price list.

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DRACAENA INDIVISA Extra fine stock, 6 inch pots, 30 inches high, $40.00 per 100.

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FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed Interests. Send for complete descriptive catalogue.

Contents.

PAGE
A Farce at a Flower Show 590
Briefs for Busy Florists 592
Canadian News 595
Carnations 593
English Horticultural Notes 592
Firms Who Are Building 595
Gardenias for Winter Flowering 592
Los Angeles Floral Parade 590
Market, Review of the 594
Nursery Department 583
OBITUARY:
  Harry Fountain 590
Pandanus utilis (Illus.) 592
Pansies, Super'b 581
Reflections on Current Topics 591
Seed Trade Report 581
TRADE NOTES:
  New York 591
  Philadelphia 595
  Boston, Hartford, Conn., Pittsfield, Providence, Syracuse, Utica 598
  Buffalo, Chicago, St. Louis 599
  Denver, Indianapolis 601
Year Book, 1902 590

The schedule of premiums for the annual meeting of the American Rose Society, to be held in Philadelphia, has been prepared, and will shortly be published. The amounts offered as prizes have been doubled in nearly all the classes.

The Horticulture Palace at the St. Louis Exposition in 1904 is the only structure that will have color applied to it. The beautiful color scheme which has been worked out for this building will be in complete harmony with the splendid landscape effects that will be produced by the installation of the horticultural exhibits surrounding it.

Owing to the interruption of the mails on account of Memorial Day, May 30, and with the desire that our subscribers shall receive their paper at the regular time, all correspondence and advertisements for issue of May 30 should be in hand by WEDNESDAY, MAY 27, to facilitate earlier mailing.

A Farce at a Flower Show.

For three consecutive years the New York Botanical Garden has offered as a prize to be awarded by the Council of the Horticultural Society of New York, at the annual exhibition of that Association, $50.00 for "The Best Horticultural Novelty in plant, fruit, flower, or vegetable—that is, anything distinct and not previously in general cultivation in America." That the absurdity of such a competition is patent to all concerned—excepting the donors of the premium—is evidenced by the genuine lack of interest shown in the contest by the trade and the horticultural public in general. This year, only two exhibits were placed in competition—a double-flowered begonia, and a palm, the latter being awarded the prize. The winning palm was a Phœnix humilis Rœbeleni, which plant has been in cultivation—in England, at least—since 1890. And, if we mistake not, it can be found in several private collections in this country at the present time.

The fact of its being "not previously in general cultivation in America" may bring it within the purview of the conditions governing the competition.

It is not so much on account of the fact of general or non-general distribution of the winning plants in the United States that we take exception to the awards made now and previously in this class and by the Council of the Society in question, as it is that absurd conditions of award like those under consideration bring men with good intentions under the ban of ridicule, and burlesque the whole judging scheme. For the honor and dignity of the Botanical Garden and those endeavoring to carry out its impossible of proper fulfilment desires, we would respectfully ask that some more common-sense problem be presented to the judges for solution. We firmly believe that it would better carry out the intent of the donors of the premium, draw out a larger competition and an interest therein, and do more for the cause of horticulture to bring the contest within the range of possibility of satisfactory decision, by offering the prize in alternate years for the best novelty in plant, in fruit, in flower, and in vegetable, respectively.

The contest as it stands may to some appear novel, unusual, and entertaining, but its very uselessness entirely overbalances the extraordinariness of its delightful and delighting freakishness.

The Yearbook for 1902.

The Yearbook of the U. S. Department of Agriculture for 1902 is in press and will be issued early in June. It is a volume of about 900 pages, of which 124 pages are devoted to the annual report of the Secretary of Agriculture, 534 to miscellaneous articles, 200 to the appendix, and about 30 to the index. It is illustrated with a frontispiece, 71 half-tone and 16 colored plates, and 62 text figures.

Among the miscellaneous papers, which cover a wide variety of subjects, those of immediate interest to our readers include: "The San Jose Scale, Its Native Home and Natural Enemy," by C. L. Marlatt; "Industrial Progress in Plant Work," by B. T. Galloway; "Top Working Orchard Trees," by G. Harold Powell; "Some of the Principal Insect Enemies of Coniferous Forests in the United States," by A. D. Hopkins; "The Agaves: A Remarkable Group of Useful Plants," by E. W. Nelson; "Bacteria and the Nitrogen Problem," by George T. Moore; "Improvement of Cotton by Seed Selection," by Herbert J. Webber; "Grape, Raisin and Wine Production in the United States," by George C. Husmann; "Flaxseed Production, Commerce and Manufacture in the United States," by Charles M. Daugherty; "Promising New Fruits," by William A. Taylor; "Plants as a Factor in Home Adornment," by L. C. Corbett; "Practices in Crop Rotation," by George K. Holmes; "Improvement of Corn by Seed Selection," by C. P. Hartley; "Fertilizers for Special Crops," by A. F. Woods and R. E. B. McKenney; and "Cultivation and Fertilization of Peach Orchards," by M. B. Waite.

The edition of the Yearbook is 500,000 copies, of which only 30,000 are assigned to the department for its use, which precludes any miscellaneous distribution by the department itself, its own regular correspondents and others co-operating with the department or rendering it some service being far more numerous than the number of Yearbooks at its disposal. The bulk of the edition, 470,000 copies, is reserved for the use of senators, representatives and delegates in Congress, or about 1,000 copies to each member of Congress.

All persons, therefore, other than crop correspondents, desiring copies of the Yearbook, must make application to their senators and representatives in Congress instead of to the department. Crop correspondents will please apply directly to the statistician, and remember that, while some Yearbooks may be delivered in June, the bulk of the books will not be available until after the first of July.

Los Angeles Floral Parade.

The parade at Los Angeles, Cal., which was viewed last week by President Roosevelt, surpassed anything of its kind ever before witnessed in the magnificence and wealth of its floral splendor. Women, children, men and boys, ponies and pony traps, automobiles, bicycles and every other imaginable motor vehicle were gaily bedecked with flowers, drawing forth expressions of delight from Mr. Roosevelt and his suite.

One of the most elaborate floral pieces of the day was the float which bore as its title, "Organized Labor." Mounted on the immense wheeled platform was a sphere twenty-seven feet in circumference, representing the earth. With beautiful precision the maps of the two hemispheres were outlined and solidly filled in with carnations of different hues on oceans of Asparagus plumosus. On the side which appeared toward the President in passing were North and South America, the United States marked out in yellow daisies, Mexico and Canada in red carnations, with different sections of South America designated in red, pink and white carnations.

Down in the southwestern corner of the map of the United States was planted a tiny edition of the Stars and Stripes, representing Los Angeles. The Eastern hemisphere was carried out in carnations of different hues. At the four corners of the float were floral emblems designed as symbols of the title under which the whole conception appeared. On the right front corner stood a plow, the tongue and handles composed entirely of pink carnations, with the plow shaft done in white carnations, the whole outlined in smilax. On the opposite corner appeared an anvil composed of the deepest red carnations, placed upon a pedestal of the same flowers in white. Lying open on a stand of greenery on the left hind corner was represented an immense book, the leaves fashioned in white carnations, bound in rich red blossoms of the same. The right rear corner supported a beautiful anchor done in white carnations, the points tipped in red blossoms, and the whole wound with smilax. The body of the float was done solid in carnations of different hues, with the title written in white blossoms, on either side, flanking a portrait of the President. Thickly festooned over this were strings of sweet peas, with a bank of red tiger lilies running around the top. The outfit was drawn by six white dray horses in red harness, wearing plumes of Fiesta hues.

Following came the exquisite display of the Ancient Order of United Workmen, exhibiting in its entirety 23,000 white carnations and 250 strings of smilax. From the center of the float rose a pure white pyramid of carnations, measuring eight feet at the base and six feet in height, bearing, in other colored flowers on its four sides, emblems of the organization represented. On the front and rear appeared the anchor in red carnations, with blue ropings of cornflowers, and on the front and rear the heart, done in pink carnations, inlaid with a tiny anchor in the blue of the cornflower. Below the emblems, written in cornflowers, appeared "A. O. U. W." From each corner of the float rose smilax-bound pillars holding an arch work of lattice, bearing in the air above the dome two white doves in flight in opposite directions, and one on each of the four sides of the dome, all carrying white streamers in their bills, strung back to the flower-covered lattice. Pendan from the center arch was an exquisit anchor of red and white carnations an blue cornflowers. Four footmen i white and blue sailor suits and cap escorted the float, which was draw by four black horses in white harness and a similarly-garbed attendant rod by each pillar. Three living symbol of the sentiment and purpose of the organization—protection to widows an orphans—appeared, seated at the rea of the flowery pyramid.

The Afro-American citizens of th city entered a float resplendent wit flowers, and received third prize i their entry class. A few items of thei display were 12,000 carnations, 6,00 sweet peas, 2,000 roses and 3,000 marigolds. From the center of the floa drawn by four black horses in whit harness, rose a beautiful floral piec representing the Stars and Stripe measuring 5x10 feet, flowing back ove the float from its staff in front. Th stripes were made with red and whit carnations, the field being of blue cornflowers, dotted with white sweet pea for stars. Red, white and blue streamers flowed from the top of the staf The sides of the float were banked wit white carnations, with a floral shiel of national colors, at each corner dor in carnations and cornflowers. Th white carnation banks were rimme thickly with red and pink sweet pea Front and rear were solid masses marigold. Below the carnations c either side were layers of Marie Her rietta roses. The marigolds were burie in banks of fern leaves and Asparagu Sprengeri, and bunches of French gra decorated the coping all the way roun In the center of either flank, framed red carnations laid on sago palm leave was a portrait of the President. Th halyard of the flag was a rope of snov balls.

A beautiful scene was that presente by the Park Commission float, repr senting a glimpse into one of the pul lic garden spots of the city. In th center of a plot, laid out in miniatu walks, bridges and flower beds, sto literally a house of blossoms. It wa constructed of myriad flowers of diffe ent varieties, chief among them bei the brilliant-hued geraniums, whi carnations, roses, sunflowers a daisies were in profusion through t miniature "grounds." The flowe Summer-house was occupied by fo little children. They appeared to be play in the garden, and the effect w most pleasing. The garden on whee was thirty feet long, and was design and built, with the aid of members the park force, by Superintendent L Grande and W. B. Jarrett, ex-sta carpenter of the James Neill Compan A driver in high-peaked sombrero he the lines over six big white horses red harness, escorted by four attach of the Park Commission in khaki un forms. The sides of the floats we banked with varicolored geraniums squares and oblongs, bearing stars sunflowers and other blossoms. N less than 30,000 blossoms were used this attractive exhibit.

Obituary

Henry Fountain.

Henry Fountain, florist, of Middl town, Conn., died last week. The ir terment was in Pine Grove Cemeter

Robert Liddell.

Robert Liddell, secretary of the firm Peter Henderson & Co., New York Cit died on Thursday evening, May 21, his home, 82 Oak Street, Jersey Cit after a short illness. Mr. Liddell wa born near Glasgow, Scotland, 75 yea ago, and had been in the service of Pete Henderson & Co. since 1873. He was man of strict integrity, faithful unt death, as one may term it, and died a he wished to die, practically in the ha ness. He was held in very great esteer by the Messrs. Henderson, who valued h services most highly.

His wife pre-deceased him. One of h daughters is the wife of John Birnie, th well-known grower of West Hoboke N. J.

The funeral services will be held th Saturday evening at his home in Jerse City.

Reflections on Current Topics.

MR. EDITOR: I was pleased to notice the remarks of your Cincinnati correspondent in regard to electing young men to the offices in the local florists' club. That is a step with which I am entirely in accord, for two reasons. First, to permit those who have borne the burden and heat of the conflict to date to rest on the laurels they have won. Secondly, for the greater encouragement and broadening of our young men. These are days when youth holds sway; active days when to keep up with the march of progress much vim and energy are demanded, and must be supplied. This holds true as well in the case of horticultural societies as it does in all lines of business. The men who so ably directed these associations in their formative period are not now "so young as they once were." The strenuosity of the times falls heavier upon them than on their more youthful brethren. They need a rest, and should get it. To retain them themselves and the societies they represent are likely to suffer. I am a patriarch myself, and I know.

Besides, an office that "comes easy" to a man from year to year is not apt to have instilled into its work the same application and push as when conditions are different. Old war horses are inclined, also, to become staid, to have set ideas, many times at variance with progress. Youth bubbles over with festiveness, with originality, with ambition—qualities which guided and directed by the mature wisdom of experience are bound to make for advancement.

I would just cite a case in point—and I do so in no spirit deprecatory of what has been accomplished—viz., that of the Chyrsanthemum Society of America. With younger men in office come revolutionized methods, which, so far as indications go, augur well for the development of that society's work, and a greater public interest in that work. "Young men for action; old men for counsel," is a trite saying that seems to fit this case. We need both. But the younger element should now have its inning in office to better cope with the exactions of the age.

Some time ago my friend and fellow-agitator, W. N. Rudd, advised us of a relationship he claimed with the mule. The following lines from the St. Louis Globe Democrat tend to show that the animal in question possesses points of which any relation of his (including W. N. R.) need not be ashamed:

The mule—he is a gentle beast;
And so is man.
He's satisfied to be the least;
And so is man.
Like man he may be taught some tricks;
He does his work from 8 to 6;
The mule—when he gets mad he kicks;
And so does man.

The mule—he has a load to pull;
And so has man;
He's happiest when he is full;
And so is man.
Like man he holds a patient poise,
And when his work's done will rejoice.
The mule—he likes to hear his voice.
And so does man.

The mule—he has his faults 'tis true;
And so has man.
He does some things he should not do;
And so does man.
Like man, he doesn't yearn for style,
But wants contentment all the while.
The mule—he has a lovely smile;
And so has man.

The mule is sometimes kind and good;
And so is man.
He eats all kinds of breakfast food;
And so does man.
Like man he balks at gaudy dress
And all outlandish foolishness.
The mule's accused of mulishness;
And so is man.

JOB.

New York.

The News of the Week.

His friends in the trade will hear with regret of the withdrawal from business of Rudolph Asmus, New Durham, N. J. Mr. Asmus has been known as a grower for the New York market for a good many years and has gained for himself an enviable reputation for his straightforwardness and his honesty. His health has been very poor for several years, but is better now than it was, and it is to be hoped that relief from business cares will prove a source of benefit to him. Mr. Asmus has disposed of his greenhouse property to H. Schoeltzel, who is a competent grower of palms, ferns and decorative plants, of Union Hill, N. J., and who will devote the newly acquired establishment to the same class of stock.

A portion of the large store of J. M. Hodgson, 71 Fifth avenue, has been leased to a firm of real estate brokers.

The Manhattan Supply Co. has moved its warerooms from Twenty-third street to 440-442 Eleventh avenue.

Notwithstanding the unusually warm weather we had on Tuesday, the auction room of Wm. Elliott & Sons was crowded with buyers, and the demand for stock, especially coleus, geraniums and cannas, was good, the prices realized being extremely satisfactory. This firm of auctioneers announces a sale of fine specimen palms to occur on Tuesday, June 2. These palms are from the well-known establishment of David Clarke's Sons, who find it necessary to dispose of them, as the firm is vacating its premises on the Boulevard. The sale will be at the usual time and place—54-56 Dey street.

H. C. McKnight, who has been conducting a plant department in the store of Simpson, Crawford & Co., has discontinued the same, the advent of warm weather and poor facilities for the keeping of plants in the store making this course necessary. We are informed that when the new store of the firm named above is finished (which is to be erected at the corner of Fourteenth street and Sixth avenue) greenhouses will be built on the roof, and a first-class plant department will be maintained.

The many florists situate around Greenwood Cemetery are having a very difficult proposition to contend with this Spring, owing to the continued drouth. There has been no rain for several weeks (the last good shower was on April 12) and the soil is in no fit condition to receive tender bedding plants. In the bedding out done the plants have had to be kept watered regularly to keep them alive, and the added expense thus entailed makes a serious inroad on the gardeners' profits. Most of the florists are advising their patrons to defer planting for a few days, with the expectation that rain may come in the meantime. Without rain, there will be more work to be done for Memorial Day than can be handled conveniently in the time given.

While it can safely be said that the style of gardening known as carpet bedding is not so much in favor nowadays, there is no appreciable decrease in that form of bedding, so far as cemetery work goes, and the florists around Greenwood all cultivate a vast quantity of low-growing plants suitable for that purpose.

David Clarke's Sons are now occupying their new retail store on upper Broadway. The firm has also purchased a piece of property in the Bronx, and will remove its growing establishment to that borough.

The thermometer is climbing among the nineties day after day, and the retail flower business is having a forced vacation.

There is some talk of an early closing movement among the wholesale dealers, but whether or not this will materialize we are not in a position to state.

One of the happiest men in the town is George Bradshaw, the occasion of his bliss being the birth of a daughter at his house on Wednesday night. Mr. Bradshaw has three sons. Mother and daughter are doing well and the papa is wearing a "smile that won't come off."

Stephens Bros., the Bermuda bulb growers, report that the crop of Lilium Harrisii bulbs for this season's delivery will be much smaller than was the crop of 1902.

Alfred Bridgeman, founder of the seed firm which bears his name, died at Newburgh, N. Y., May 20, aged 85 years. He was connected with many financial institutions and philanthropic societies.

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange will publish every week voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

R. Vincent, Jr., & Son, White Marsh, Md., say: "We would again call the attention of all up-to-date florists and nurserymen to our collection of hardy Pompon chrysanthemums. The demand for these is greater than ever before, and will be still larger in the Fall, the plants to be used for filling in beds after the coleus and such stock following it begins to look bad."

L. H. Foster says: "The Anna Foster fern is a female frond plant, reproducing 100 to 1 in a very short time, making an exceedingly profitable fern to grow. The kind words I am every day receiving show that it will be soon the most popular fern on the market."

INDEX OF ADVERTISERS

Akers H R 602
Allen J K 597
Amling E C 599
Anderson & Christensen 586
Andorra Nurseries ..582
Archdeacon & Co....582
Aschmann G 589
Atlantic Coast Nurs.586
Austin H 582
Bader J 588
Baker W J 598
Bartram J H 584
Bassett & Washburn.599
Bayersdorfer H & Co 602
Beach Jas E 585
Beaulieu H 582
Benedict G H 584
Beckert W C 582
Berger H H & Co..581
Bernheimer E 598
Berning H G 599
Blaauw J & Co......583
Bloom J S 586
Blue Hill Nurs 583
Bobbink & Atkins...579
Bock W A 588
Bonnot Bros 597
Bornhoeft I H 589
Boston Letter Co....596
Bradshaw & Hartman 597
Brooks E F 584
Brown Bros Co 583
Brown E C & Co...596
Brown P 584
Burpee W A & Co..582
Byer Bros 586
Caldwell the Woodman 596
Cal Carn Co 582
Carmody J D 600
Cavanaugh Mrs M...587
Chase C S 588
Chicago Carn Co....585
Chinnick W J 587
Clucas & Boddington 579
Coldwell Lawn Mower Co 602
Collins Thos 596
Conard & Jones Co.587
Connell B 587
Coolidge Bros 586
Cottage Gardens ...586
Cowee A 581
Cowee W J 596
Cowen's N Sons....602
Cox Seed Co 581
Crabb & Hunter ..588
Craig R & Son......588
Crooke J J Co 596
Crowl Fern Co 596
Cunningham J H ..584
Cut Flower Ex......597
Dailledouze Bros ...586
Davis A B & Sons .582
Deamud J B 599
Deming Co 595
De Pew Bros 562
De Witt P M 588
Dietsch A & Co....600
Dietrich C P & Bro.587
Diller, Caskey & Co.600
Dillon J L 585-87
Dillon G'house Mfg 600
Dimmock A 562
Dorner F & Sons Co.586
Dreer Hy A. 581-85-600
Dumont & Co 598
Eggert Edw 586
Eichholz H 584-86
Eisele C 602
Eisele J G 588
Eisele W G 583
Elizabeth Nurs Co 581-87
Elliott W & Sons 580-602
Elliott W H 579
Emmans Geo M ... 538
Endtz Van Nes & Co.583
Farquhar R & J Co 582
Felthousen J E. .. 584
F & F Nurseries . 582
Floral Exchange ...585
Foley J 596
Foley Mfg Co 601
Foster L H 588
Frith C A V......580
Fry E R 584
Garland G M 600
Ghormley W 597
Giblin & Co 600
Girvin W B 586
Goodale B E 582
Greene & Underhill 587
Gullett W H & Sons.588
Gunther W H 597
Guttman A J 597
Haerens Bros 589
Hagenburger C 586
Hammond B 601
Hammond J A 597
Harris E 586
Heacock Jos 588
Herr A M 584-87
Herr D K 587
Herrmann A 602
Herzog W S 587
Hews A H & Co....596
Hicks & Crawbuck..597
Hilfinger Bros 596
Hill E G & Co......599
Hill Top G'houses..586
Hillborn W T 584
Hippard E 601
Hitchings & Co....602
Holton & Hunkel Co.599
Hoopes Bro & Thomas 584
Horan E C 597
Hor'l Advertiser ...600
Howe J H 596
Hughes G J 587
Hunt E H 599-600
Igoe Bros 585
Jackson & Perkins Co 588
Jacobs S & Sons....601
Jennings E B 588
Jessamine Gardens..583
Johnson & Stokes...581
Jones H T 582
Joosten C H 583
Kasting W F 598
Keir Wm 586
King Cons Co......602
Koster & Co 583
Kreshover L J 596
Kroeschell Bros Co .600
Lager & Hurrell .588-89
Landreth D & Sons 580
Lang J 597
Langjahr A H 597
Lawritzen C 581
Limbach C 600
Livingston Seed Co..600
Lockland Lum Co..601
Lord & Burnham Co.601
Lovett J T 584
Mader P 587
Madsen & Christensen 586
Manhattan Supply Co 595
Mathews G P 586
Mauger W & Sons .581
McCarthy N F & Co.598
McFadden E C ...596
McManus J 597
Michell H F 581
Molatsch H A 586
Moninger J C Co.. 601
Moon S C 582
Moon, Wm H Co. ..583
Moore, Hentz & Nash 597
Mosbaek L 588
Muno J 599
Myers & Samtman..585
Nat Board Trade . 596
National Plant Co 587
Neff L I 586
Nepp G F 586
Newtonville Ave G'houses 585
N Y Cut Flower Co 597
Niessen L 598
Ouwerkerk P 582
Pabst R 587
Pankok & Schumacher 588
Peacock W P ... 582
Pennock S S ...589-98
Perkins J J 597
Phila Market 596
Pierce F O Co.... 601
Pierson F R Co 579-88
Pierson Sefton Co 602
Pinehurst Nurseries 583
Pittsbg Cut Flow Co 598
Pitzonka G 587
H. Pladeck 586
Post Bros 581
Pollworth C C Co...599
Porter & Cousins . 588
Quaker City Mach Co 600
Rawlings E I 587
Rawson W W & Co 582
Raynor J I 597
Reed & Keller 580
Reck & Son 587
Reid Ed 598
Reinberg Peter 585
Reuter S J 585
Reynolds J L Co. ..596
Rider Ericsson Engine Co 600
Riedel & Co 597
Ripperger Geo 596
Robinson H M & Co.596
Roemer F 588
Rolker A & Sons ...589
Rosbach A & G.... 587
Rupp J F 584
Salter W H 585
Saltford Geo 597
Sander & Son 588
Schmidt J C 583-88
Schultz F W O ...580
Schultheis A 585
Shurtleff & Son 586
Scott J 589
Shellr'd G'houses .. 587
Shepherd Mrs T B Co 582
Sheridan W F .... .597
Sinner Bros 599
Sinn B S Jr 597
Smith C 597
Smith N & Son 587
Smith W & T Co...582
Soltau C 588
Springfield Floral Co.587
Stahlhut H 587
Stern J 596
Stearns A T Lum Co.601
Stoothoff H A Co. 594
Storrs & Harrison Co 589
Stumpp & Walter Co 580-86
Swayne W 584
Syracuse Pottery Co 600
Taylor E J . 585
Thompson J D 586
Thorburn J M & Co 581
Tiger M I . 583
Tobacco W & T Co 600
Towell J 588
Traendly & Schenck 597
Van der Weyden & Co 582
Vanhorne, Griffin & Co 602
Vaughan's Sd Store 580-81-82
Vesey W J & M S 587
Vick's Jas Sons . 582
Vincent R Jr & Son 582-84
Waterfield G W 585
Waverly G'houses 586
Weaver G A Co . 580
Weber C S & Co. .601
Weber H & Sons .586
Webster Bros . . 594
Weeber & Don . . 581
Weems M ...... .583
Welch Bros 598
Weston H . 588
Whetstone & Co 600
Whilldin Pottery Co 596
Wietor Bros . .. 599
Winterich C . . 585
Winterson The E F Co 599
Wood Bros 584
Young J 597
Young & Nugent . 597
Zimmer Chas .... .587

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ...579-84-87-88
Acalypha 584
Achillea 583-87
Achyranthes 584-86
Ageratum 584-86-87
Allamanda 587
Alpine Plants .... .583
Alternanthera .584-86-87
Alyssum 579-87-88
Amaryllis 583
Ampelopsis 586
Anemone 589
Anthemis 584
Anthericum 588
Araucaria 584
Asparagus ...579-81-83-84-87-88-89
Asters 584-86-87
Azaleas 582-83-89
Bedding Plants 584-88-89
Begonias 584-87-88
Berberis 582
Bougainvillea 588
Box 579-82-83
Bulbs (not named) 579-80-81-83
Cacti 583
Caladium 579-81-87
Calendula 589
Callas 582
Cannas 579-81-84-87-88-89
Carex 587
Carnations .584-85-86-87
Centaurea 584-87
Chrysanthemums 583-84-85-86-87-88
Cinerarias 580-81-84
Cinnamon Vine 584
Clematis ...582-83-85-87
Clerodendron 587
Cobæa 586
Coleus ...581-84-86-87-89
Conifers 582-83
Coreopsis 579-83
Cosmos 587
Crinums 582
Crotons 588
Cuphea 584-86
Cut Flowers 579-97-98-99
Cycas ...580-81-82-83-89
Cyclamen 586
Cyperus 587
Daffodils 581
Dahlias 579-80-82-87
Daisies 579-87-88
Decorative Plants 588-89
Delphinium 583
Dielytra 582
Digitalis 583
Dracæna 579-84-87-88-89
Evergreens 579-83
Fern Balls 579-81
Ferns 579-88-89
Feverfew 584
Ficus 579-88
Fuchsias 579-84-88
Funkia 587
Gaillardia 583
Gardenia 589
Genista 587
Geraniums 579-81-84-86-87-88-89
Gladioli 579-81-88
Grasses 583-89
Helianthus 584
Heliotrope . .584-87-88
Herbaceous Plants 579-83
Hollyhocks 587
Honeysuckle 587
Hydrangeas 582-83-84-89
Ipomœa 584-89
Iris 582
Ivy 579-82-84-87-88-89
Jasmine 583
Lantana 587
Laurel 579
Lemons . . . 587
Lilies 579-80-81-82
Lobelia 579-84-87-88
Lychnis 583
Myosotis 579-84-88
Narcissus 581
Nasturtium 579-87
Nursery Stock 579-82-83
Orchids 588-89
Palms 579-80-88-89
Pansy 586-87-88
Pardanthus 583
Pelargoniums 584
Peonies 582-83
Petunia 581-87
Phlox 579-88
Primula . . .581-82-84
Privet 582
Pyrethrum 581
Rhododendron 579-82-83-89
Roses ...579-81-82-83-84-85-87-88-89
Rudbeckia 583
Salvia .584-86-87-88-89
Sanchezia 584
Santolina 583
Sedum 584
Seeds (not named) 579-82-83-88-99
Selaginella 587
Shrubs 582-83
Small Fruits . 582-83
Smilax 582-84-87
Spiræa 582
Stevia 584-86
Swainsona 584
Sweet William .. 579
Syringa 582
Torenia 589
Tradescantia 589
Trees . . 579-80-82-83
Tritoma 587
Tuberoses 579-80-81
Vegetables . 581-82-83
Verbena . ..579-84-86-87
Vincas 584-87
Vines . .. 587
Violets . 584-87-88
Water Lilies 581-84
Wistaria 582
Yucca 582-84
Zinnias . .. .586

MISCELLANEOUS

Auctioneers 598-602
Baskets 579
Boilers 600-01-02
Books 596
Collections 596
Cut Flower Boxes 600
Decorative Greenery 596
Designs 599-602
Fertilizers 596
Florists' Letters 596
Fittings 600
Florists' Supplies 598-99-600
Flower Pots, etc 596-600-02
Galax 596
Glass 600-01-02
Glazing Points . ..600
Greenhouse Bldgs 600-01-02
Gutter .. 600-01
Insecticides 582-600-01
Lawn Mowers .. 602
Lumber . . . 600-01
Mastica . 601
Mushroom Spawn 582
Newspapers . .. .600
Painters' Supplies ..600
Pipes, Joints and Valves 600
Printing 596
Pumps 600
Rustic Work . .. 580
Sash 600-01
Sprayers . 595-96
Stakes & Supports 583-85
Tile 602
Tinfoil . . 596
Toothpicks 596
Ventilators 600-01-02
Wants 595
Wax Flowers and Designs 596

BRIEFS FOR BUSY FLORISTS.

PROPAGATING.—The demand for bedding plants always extends well into the month of July, and it pays to keep right on putting in cuttings of all the quick growing plants.

Sowings of seed of such annuals as stocks and asters can also yet be made, and they will make nice material for late planting.

PLANTING IN VASES OR URNS.—The filling of vases with plants for the Summer will soon be commenced, and, as the success or failure of this branch of gardening depends a good deal upon the character of the soil used in the vases, some care must be exercised in regard to soil conditions. It is always best to use soil fresh from the compost heap for such purposes, because in a vase a lot of plants have to be grown within a very limited area, so far as the roots of the plants are concerned. See that proper drainage is provided for, and there will be no complaints at the end of the season about the plants in these vases not growing satisfactorily.

STOCK PLANTS.—The list of stock plants required for another year should be made out at this time, and these subjects should be planted in the home ground at once. If this matter is left till the rush of the selling season is over the chances are that many things will be sold out entirely, necessitating the purchasing of other plants for stock purposes.

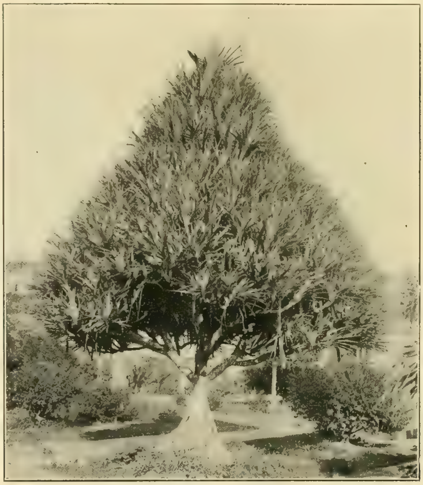
CANNAS that have got well started in the pots can, if room is needed, be taken from the greenhouse and placed in some sheltered position outdoors, where they can have protection from frost if necessary. They will be all the better for being gradually hardened off in that manner. If they have been started in flats, however, they had better be potted up singly for a week or ten days before putting them outside.

Pandanus Utilis.

Those who have not seen the screw pine growing in tropical climates would hardly recognize the one we illustrate as being the same species they have been accustomed to see in greenhouses here, grown in tubs. This magnificent specimen inhabits one of the public parks of Bermuda, and is about 25 feet in height. How perfect is its shape! showing what the tree will do when conditions are right for it. There are no frosts in Bermuda, and in the Winter season the temperature ranges from 60 to 75 degrees. In Summer it is very hot, and the surrounding sea creates a moist atmosphere, which, evidently, suits this plant. This particular species, P. utilus, is a native of Madagascar, where it sometimes reaches a height of 60 feet, forming a large tree.

Referring to the roots, which appear above ground, Nicholson says: "The plants always have a disposition to raise themselves out of the pots, in consequence of the direct downward course which the roots invariably pursue."

JOSEPH MEEHAN.



PANDANUS UTILIS IN BERMUDA.

Gardenias for Winter Flowering.

Since the gardenia has sprung into popularity, the old method of pot culture has been largely superseded by cultivation in benches; but if growers will take the trouble to carefully lift the plants that have done service for a season in the benches, and pot them into 8 or 9-inch pots, they will find that they will amply repay the labor and trouble by supplying flowers much earlier than they can be had from the benches, often beginning as early as the end of August and flowering more or less through the Winter, at which season they are of much greater value than they are when the rush of flowers appear on the benches, which is not usually until the month of February.

The first essential to successful culture is the procuring of good plants. To secure these the cuttings must be struck not later than the middle of February, or just as soon as the new wood is sufficiently ripened. It is poor policy to use wood when too soft. Sharp, clean sand is necessary, and a propagating case where a bottom temperature of 70 degrees can be maintained will be found a suitable place to start the plants. They should never be allowed to suffer for want of plenty of both bottom and atmospheric moisture; and shading from strong sunlight must, of course, be provided.

With suitable surroundings, rooting should take place in about three weeks; but it is better to leave them a few days longer in the sand rather than move them before they are well rooted. Thumb pots are large enough to start with, and a free, finely sifted soil should be used.

A good compost for this first potting is one made of two parts loam, two parts leaf mold, and one part of clean, sharp sand. After potting the plants will be benefited by being put back in the propagating bench (the pots being plunged in the sand) for a few days until they have taken hold of the new material, after which they can be removed to a lighter situation, and less humid atmosphere. Frequent and thorough syringings are necessary from start to finish, to keep the plants free from insect enemies. Mealy bug and red spider are the most troublesome.

From the middle to the end of April the pots will be sufficiently filled with roots to require a shift; this time a 3-inch pot will be necessary. The compost can be the same as for the first potting; only a little old, well-rotted, finely sifted cow manure can be added to advantage. Watering must be carefully done while the plants remain in pots. If an over-supply of water is given, it will quickly tell on the color of the foliage. Yellow leaves are a sure indication of careless watering.

About the end of May, or beginning of June, the plants ought to be large enough to plant in the benches. A bench about six inches deep is, I think, about right. This depth will allow of ample drainage, which should consist of about two inches of broken brick, or old lime rubbish. Over this a light covering of finely broken sod will help to keep the drainage free. I have seen sphagumm moss employed, but it is too retentive, and I would not advise its use.

I may also state here that the bottom of the bench should consist of narrow slats, with ample spaces between to insure the free passage of water and also give the air a chance to penetrate through the soil. Three inches of soil is quite sufficient, and, I think, setting the plants in little ridges is a good plan, as it keeps the soil from getting too wet just around the neck of the plants. In planting, make the soil moderately firm; but hard packing should be avoided. A good compost for the benches is four parts old sod soil, two parts leaf mold, one part sharp sand, one part old, well-rotted cow manure, and one part finely broken charcoal. This latter is very essential for keeping the compost sweet; and, should the soil employed be of a retentive nature, a little more charcoal had better be added.

Full sunshine should be allowed through the growing season, and, as before stated, abundance of atmospheric moisture and the free use of the syringe.

Evaporating pans should be used when hard firing is necessary; and through the dull Winter water should be sparingly given. With a moist atmosphere and the plants syringed three times a day, it will be found that at that season little water will be needed. When the little white roots appear on the surface, a top dressing may be given, which should consist of the compost as recommended for benches, with a little more manure added. This should constitute all the feeding necessary, until the month of February, when the plants are flowering freely, and the benches well filled with roots; then a little weak liquid manure may be used to advantage. At this stage, if the house is very bright, a slight shading will help prevent the flowers from burning.

The flowers should be cut in the morning before the sun strikes them, and kept in a cool place. If kept warm, they don't last long.

Of the several varieties grown, G. Veitchii is the most suitable, being freer in flowering and of more compact growth than any of the others. A night temperature of about 65 degrees, with a rise of from 15 to 20 degrees by sun heat, will be found to suit the requirements of the gardenia.

SCOTIA.

English Horticultural Notes.

NARCISSI AND OTHER BULBS.—The English trade in Dutch bulbs is vast, and is likely to increase enormously. Owners of private estates and superintendents of public parks and gardens everywhere throughout the land, are yearly developing the practice of "naturalization" of daffodils, tulips, muscari, squills, chiondoxas, crocuses, snowdrops and such other familiar Spring-flowering genera. Naturalization simply means the planting of thousands of the various kinds of bulbs informally in grass lands, shrubberies, copses and woods. You can easily see how such an elaborate system of planting calls for a very great demand, and the bulb merchants are finding it hard to supply the call for certain varieties. Those mostly sought are the following: Horsefieldi, Emperor, Empress, Princeps, Obvallaris, Sir Watkin, Frank Miles, pœticus, Telamonius plenus, Stella, Barri conspicuus, Burbidgei, William Goldring, moschatus albus, Ard Righ, Von Sion, Leedsii, C. J. Backhouse, Nelsoni Major, and the jonquil. From the contents of the American gardening papers it would seem that daffodils are not greatly cultivated in the United States; but surely you have enormous possibilities for a great trade in the bulbs of this exquisite genus, and I live with hopes of seeing that trade become a reality.

A CHINESE TREE OF DISTINCTION.—Those of your readers who are specially interested in trees and shrubs will find a number of the Veitchian novelties (recently introduced from West Hupeh, a province of Central China, by the firm's collector) worthy of consideration. In the present note I am calling attention to a tree that attains a height of 30 feet, named Davidia involucrata. The foliage bears a close resemblance to that of the linden or lime trees (tilia), but the outstanding characteristic is the huge white bracts, as large as a man's hand, which are borne in pairs at the tips of the branches. The effect of a full-grown tree, with its immense wealth of white "flags," swaying in the breeze, must be very striking in a landscape composition. Messrs. Veitch & Sons, of Chelsea, London, have a stock of seedling plants of it.

A BLUE EVERLASTING PEA AND AN ORANGE-COLORED PAEONIA.—Lovers of herbaceous plants are pretty generally acquainted with the pea, popularly called "Lord Anson's Blue," and botanically, Lathyrus megallanicus. But this is quite a pale blue pea, and the "blue Everlasting Pea" cited above is a newcomer named Lathyrus pubescens, and was shown by the president of the Royal Horticultural Society at a recent meeting. The flowers are distinctively lavender-blue, rich and effective, and are borne in large racemes in the way of L. latifolius, the Common Everlasting pea.

Then the new pæonia (which received the highest award, viz., a first-class certificate, R. H. S., London), is, indeed, a magnificent acquisition. The flowers are small (three inches in diameter) but that is its only fault. The substance of the petals is stout and good; the form is open and strong; the boss of stamens, prominent; and lastly, the intense golden yellow color is very satisfying. As a breeder for the innumerable varieties of Pæonia japonica, P. albiflora and others, this new species (named P. lutea) will be welcomed by all devotees of the flower. The introducer is W. E. Potten, Camden Nurseries, Cranbrook, Sussex, England.

AMARYLLIS (or Hippeastrums) are all but past for another season. Messrs. John Cowan & Co., of Gatacre, Liverpool, and Messrs. Veitch, of Chelsea, are the specialists. A few varieties have been certificated as usual, and decidedly the finest of these is Veitch's Appleblossom, of a sweet pink color, good size and perfect form. The seedling varieties, however, are nearly all meritorious, and general fanciers of this flower simply rely on a selection from the extensive nursery stocks. Mr. Joseph Chamberlain, M. P., has recently become enamored with the charms of the fair amaryllis, has erected two new houses for his bulbs, and is personally directing the cross fertilization of the varieties. Two other notable admirers of the genus are Lord Rothschild and Captain Holford, the King's equerry. The example of these gentlemen "sets the fashion," and others follow. This is obviously advantageous to the horticultural trade.

ROSES.—The Dorothy Perkins rose, sent out by Mr. Potten, whom I have named already, is selling fast. This gentleman has grown-on a number of plants to the specimen stage, and is exhibiting these in full bloom, literally clustered with bright, rosy-cerise flowers; and the lady visitors to the Royal Horticultural Society's meetings go into raptures at its beauty. While in Birmingham recently I was much impressed with the extreme elegance and refined loveliness of the Wild River rose, as they called it, better known s the Banksian. Importations are ade from the Riviera, and our grow- s do not use it as a forcing subject. he little, round, pale tea-yellow flow- s are admirably decorative.

SPANISH IRISES are pouring into ovent Garden market at the present me, and selections of the varieties, in rious colors, are largely used by the tail florists in their floral designs.

THE CHANCES OF ORCHID SPEC- LATION.—As an instance of the luck hich occasionally attends the pur- hase of orchids at auction sales, men- on may be made of a magnificent dontoglossum crispum recently cer- ficated (F. C. C.) by the R. H. S. f London. The variety is named Per- mmon (after an English race horse) nd was bought in a job collection at sale, the price for the piece being 18 ence. Now that the plant has flow- red, and its great excellence admitted y experts, prices from £1,000 upward ave been unavailingly offered, but the mateur owner refuses to part with it. nother O. crispum variety (O. c. Cook- oniæ), also owned by a private grow- r, could have brought £1,500 recently, ut here again the owner would not ell. Send us some of your gems! There eems to be a demand, if they are suffi- iently good.

KALANCHOE FELTHAMENSIS.— his is one of the finest greenhouse lants ever certificated. It is a hybrid rom K. Bentii and K. flammea (the atter already well known), and though t closely resembles the former or male arent, in appearance and habit, it has he bright scarlet cymose inflorescences f K. flammea. The flower heads are rect and spreading, the primary stalks eginning to branch at about six inches p the stem, and below their point of ranching the fleshy brownish metallic eaves are closely arranged. Messrs. Veitch & Sons, of Chelsea, received a irst-class certificate for the novelty n May 5. They have named it after heir new branch nursery (Feltham), where the stock plants are grown. If his new plant grows half as freely as K. Bentii, it will speedily become an occupant in every establishment. I an give it the fullest recommendation.

J. HARRISON DICK.

CARNATIONS.

The Severe Dry Spell.

The unseasonableness of the weather will necessarily alter the treatment of carnations, and if the drouth continues the effect on the young stock will be serious. We have been having July weather for the past two weeks without the thunder showers which are usually so plentiful during that month, and the farmers especially are heavy losers by the continued dry spell.

PARTIAL VIEW OF BOBBINK & ATKINS' COLLECTION OF CLIPPED EVERGREENS, AT RUTHERFORD, N. J.

Our carnation stock was planted in the field some weeks ago and it has been over thirty days since we have had rain. This has necessitated the watering of the plants in the field in order to save the stock, which would have perished before it would have been able to make roots in a soil dry as powder. When such conditions exist the only thing to do is to water the field; and if this is done it should be done thoroughly. To but half do it would be worse than to leave it undone. Follow up the watering with a thorough hoeing and the plants should take hold and send their roots downward and obtain the needed moisture. A dry spell is a call for continuous cultivation; for with a crust on the soil the moisture is lost by capillary attraction, while a mulch of dust will protect the field from this loss. If stock had not been put into the field and treated in this manner it would only remain indoors to suffer from becoming pot bound, and the check would perhaps have been more serious, for I prefer the loss of a few hundred plants to a severe check to thousands.

One result of hot weather is small flowers, but this can be remedied, at least partially. We are now giving the plants full air day and night, and have given the benches a heavy mulch of cow manure, with very satisfactory results. With the warm weather red spider will multiply, but the pest can be kept in check by a constant use of the hose and there is little danger of the benches becoming soggy.

This is the month of heavy cutting and the hot weather has hastened the development of the bloom. I see that this is the case all over the country and low prices are the result, but if the quality is maintained there is a sale for bloom, while poor flowers at this season will be found hard to dispose of at any price.

Disbudding should be carefully attended to and this work will increase with the continued bright weather. I always feel, when Spring comes, that the nervous work of the year is over. Mulch the plants well, water freely, keep red spider and disbuds in the background and fumigate for aphis, then let nature develop the bloom as fast as she will, for there is little more which the grower can do to aid the coming flowers to maturity.

There is a very noticeable difference in varieties, and Golden Beauty is showing its love of heat, for the variety is now in its prime. Eldorado has improved, also. Mrs. Lawson has held its own in quality, while all the others have deteriorated slightly in quality, but have increased in the number of flowers.

A House from Pots.

Growing carnations inside has been practiced here in the past, but one reason it has been given up in recent years was the fact that to bench a house early there is a loss of the Spring crop from the old plants, if the same houses are used. This year we are, however, adding a house to the carnation department, and it is now benched with Mrs. T. W. Lawson, Enchantress and a few President McKinley and Lillian Pond. Several interesting points have come up since the work of benching was begun. First, let me mention a machine for pulverizing soil. It was recommended to us by a neighboring florist, and has proved a success, while it is very simple in construction and is quite inexpensive when the saving of labor is considered. It is called the "Sod Crusher" and is sold by the Florist Supply Company. I do not hesitate to say that it has shown itself to be worthy of a trial by all who have soil to pulverize. After filling the house the soil was put through the crusher and then leveled and compacted.

If planted from pots no shade is required, for a better growth will be the result of full sunlight. The watering of such a house is a careful operation; the plants need water only in limited quantities, and the bench should not be soaked. When this is done and air is excluded from the soil, it is very apt to sour, the absence of feeding roots delaying the drying out. Such a house as this will be interesting when a comparison is made in the Fall. I

VIEW OF INTERIOR OF RHODODENDRON HOUSE OF BOBBINK & ATKINS, RUTHERFORD, N. J.

might add, that this house is planted half on solid bed and half on benches.

"The American Carnation."

This work, which has at last made its appearance, is very interesting and is a valuable addition to horticultural literature. First of all, it is plain and practical, and yet this is only what might be expected from such a practical man as the author, Mr. C. W. Ward. His method of culture, which he describes, is in general the method of all the really successful growers, and for a plain and concise summary of what is essential to the production of good carnations, I know not the equal of this recently published volume. W. R. PIERSON.

CANADIAN NEWS

Ottawa.

No break in the dry spell. We are badly off for rain. Carnation plants were kept as long as prudent and then planted, well watered and covered in, and now we are watching for the deluge.

Since last writing we have had another big fire, but although covering big ground it did not touch the craft, nor reach to the best houses of the city, therefore did not have any effect on the flower business. But it was a bad fire.

Owing to the warm weather the plant business is moving lively. Geraniums are in great demand as usual. The dry weather has interfered somewhat with the pansy sales. Veranda box trade is booming and promises to be the biggest feature of the business.

The planting of roses has begun. Old roses are still giving very good flowers. Carnations are also plentiful and good and selling well.

The Horticultural Society held its first monthly show last week, pansies and bulbous stock making up the exhibits. Owing to the dry weather the quality and quantity were hardly up to the usual standard. The new president, P. J. Keyes, made a good start. The attendance was large.

All the florists are making additions this year. Graham Bros. are building, or about to begin, a large house. Scrim is putting up two houses, 25 and 30 by 100 feet.

R. Wright, of Aylmer, is moving from his present store across the street, and is having built a greenhouse, 100x20 feet, in the rear, with arrangements for driving his wagons under cover for loading and unloading—a good thing for this climate. The whole structure will be built in the best style and finished off as it should be for city use. This, in conjunction with his new store, which is to be remodeled and supplied with the most attractive furnishings, will be without doubt the handsomest retail florists' shop in Canada. E.

TORONTO.—After three weeks without rain, a few showers on Sunday night and Monday were very welcome here. Carnations that were planted in the field needed water very much during the end of last week.

The business in bedding plants is getting to be very brisk, and the present indications are that geraniums will be scarce. Boxed annuals, however, are very plentiful and the growers of this class of stock are cutting each other's prices until the sellers get very little for their goods. Only the very best bring enough to pay for the seed and labor.

The cut flower business continues fairly good with stock still plentiful. Roses are good, and carnations are both fine and abundant. Tulips from outside are plentiful but the very warm weather of the past few days has been hard on them and only the late varieties are to be had in perfection. Narcissus poeticus are in big supply. Outside lilac is coming in freely.

The Ontario Jockey Club races, which begin next Saturday, will make things quite lively and a considerable quantity of flowers will be used.

The display of plants on the new St. Lawrence market on Saturday last was very fine. E. Hoskin had a nice show of hydrangeas, while all the growers had a good display of cut stock, and the hardy and bedding material were quite up to the standard. Stock keeps better in the new than in the old market, for it is entirely away from the wind and dust. The public is coming to the new market quite as well as it did to the old one. [illegible] M.

COTE ST. PAUL, CAN.—On May 18 a barn belonging to Aaron Martin & Sons, florists, was destroyed by fire; damage $4,500, with small insurance.

Review of the Market

NEW YORK.—This city has been in the grasp of a heat wave this week, the like of which has never before been experienced during the month of May. Flowers of all descriptions have been hurried to market, and, as one flower dealer remarked to the writer on Thursday, there are sixteen hundred times more flowers coming in than there is any demand for. Without a doubt, that statement is a slight exaggeration of the business condition; still trade is very bad, and it is but a very small percentage of the flowers coming in that are sold at the figures mentioned in our market column.

It is self-evident that the rose growers in this vicinity have not yet begun to throw out their old stock. The market is flooded, and slips of roses containing all grades, including specials, are freely offered at $5.00 a thousand flowers.

Carnations are no better off—worse, if anything. Some choice blooms have gone in thousand lots at $3.00 a thousand, and many others have not sold at all.

Lilac is not coming in quite so heavily as it did a week ago, still there is more than enough for the demand.

Sweet peas have assumed a glutted condition, and while there can be found a sale for a few special bunches, the vast majority don't realize enough to pay express charges.

Iris blooms have been very plentiful within the last few days. If any cut flower work was going on, these blooms would no doubt be grabbed up readily, owing to their very showy colors. As it is, iris are lying around, and find no buyers. Peonies, also, are scarcely needed, though there is a fair supply reaching the city every day.

Lilies are to be had at any price almost, as also are stocks, antirrhinum, etc.

As Memorial Day occurs next Saturday, we are in hopes that a decided change for the better will be felt in cut flower circles during the next few days.

PHILADELPHIA.—The condition of the cut flower market has not changed much since last week. As may be expected, there is an abundance of all kinds of cut flowers; but thanks to the energy displayed by several of the commission men the stock is kept fairly well moved daily. American Beauty roses are not quite so plentiful, and much of the stock offered shows deterioration in quality. Choice teas are selling fairly well, but there is an awful lot of the poorer grades of these roses around.

Peonies are now being received in larger numbers, but are not yet moving well. Present indications are that the cut around here this season will be smaller than last year. This is chiefly accounted for by the fact that the Henry A. Dreer firm won't have so many, as they made large sales of roots last Fall.

Carnations are still a glut, excepting a few choice varieties. While these are going fairly well, prices are away down. Some very good stock is arriving of such varieties as Flora Hill, Mrs. G. M. Bradt, Prosperity, Estelle and Ethel Crocker. The stock of these flowers now being offered would have been gladly welcomed three months ago.

Edward Reid has been out of town several days this week visiting firms to which he ships flowers and has been very successful in moving stock of roses and carnations, and in securing good orders for next week.

Leo Niessen is doing considerable shipping business; in fact, the activity around his place is very noticeable for this season of the year.

S. S. Pennock has been out of town, and shipping at his establishment has boomed considerably. He is also handling a great many plants, principally small palms and ferns.

No quotations of cut flowers are given, because the principal object seems to be to move stock at any fair price to prevent accumulation. DAVID RUST.

BUFFALO.—Trade among the retailers is running rather light. Carnations finally, and for the first time in this whole season, have shown up in an over-supply. From but $1.00 per 100 up, is the ruling price, and many must go unsold. Roses are ample as well, and prices weak. Quality is more or less inferior, too. The best American Beauty are wholesaled at $3.00 per dozen. Outdoor lily of the valley is plentiful, the best barely commanding $1.00 per 100. Early tulips are done, the late and parrots, now in, go more or less slowly at $1.00 to $1.50 per 100. The weather has been dry and continuing warm, day and night, for some weeks. This has tended to bring along outdoor blooms with a rush, and fully ten days ahead of common. Kinds that usually are depended on for Decoration Day needs will no doubt be done by that date, so common flowers will run scarce. VIDI.

BOSTON.—The improvement in the market conditions confidently looked for this week has failed to materialize; in fact, the market is in worse shape at present writing (Wednesday) than at any time this season. In the past, even in its most druggy state there has been some sale for flowers at some price, but now the wholesalers report it is impossible to dispose of all the stock at any figure.

It is extremely difficult to attempt to quote prices this week. Carnations range from 25c. to $1.00 per 100, and do not all clean up. Roses make 50c. to $4.00 per 100, with the exception of American Beauty, which have gone as high as $16.00 for specials. Good lily of the valley from frames is freely offered at 50c. to 75c. per 100; sweet peas, at 25c. to 35c. per 100, and pansies, marguerites, stocks, spiræas, etc., correspondingly low.

The auction sales have brought good results this season so far, but plant trade has been hardly up to the average. F. J. NORTON.

CHICAGO.—The market the past week has been overstocked, and the prices realized very low. The present glut is the worst ever seen here at any time; the oldest wholesalers never before in their experience passd through such a season as the past week. There seems no material change in sight, and with the continued warm weather none is expected for a week or ten days. Clean-up sales of all kinds of flowers are reported at very low prices. The figures realized for good shipping stock have been fairly satisfactory. Extra good American Beauty are selling at from $2.00 to $3.00 per dozen, while other grades run from 2c. each up. Extra good Bride and Bridesmaid are bringing from $5.00 to $6.00 per hundred, with the other grades at almost any price that the buyer wishes to pay. Extra fancy Liberty is in good demand, selling as high as $2.00 per dozen. Golden Gate, Perle des Jardins, and Meteor are fetching from $4.00 to $6.00 for shipping stock, while the inferior grades are going with the other roses. Kaiserin Augusta Victoria and La France, for extra fancy stock, realize $10,00 per hundred; while the top selling price for Mme. Abel Chatenay and Sunrise is $2.00 per dozen for extra fancy.

Carnations are in over-abundance, and some sales the past week have been made at very low prices. While extra good stock brings from $1.50 to $3.00 per hundred, the bulk of the sales are made below those figures. Longiflorum lilies and callas are seen around in considerable numbers and are selling at from $6.00 to $8.00 per 100. Large supplies of lilac are in, but the quality is not as good as in former years, as the stock was damaged by the late frosts. Peonies are increasing in numbers, but none from the immediate vicinity are to be seen, most of the supply coming from the southern part of the State. Peonies are not in so good demand as in former years, although the quality is as usual. The local growers will soon be able to ship, and the quality of their stock is expected to be extra good. Lily of the valley is in better demand than heretofore, and the prices realized are considerably better than those of last week. Tulips are in good demand; outdoor grown stock is selling at $3.00 per hundred.

Early flowering hardy shrubs are coming in and sell fairly well. The hardy ferns are getting scarce, as is smilax; while asparagus seems to be plentiful enough to meet all demands. Sweet peas are in abundance and are not selling as well as in former years; nor is the quality as good. Several lots that are off color have been seen already. R. J.

INDIANAPOLIS, IND.—The usual Spring surplus has again arrived. A week of warm, sultry weather has brought out roses and carnations by the thousands. Even though prices have been cut to a great extent, there remains a large quantity for which there is no sale at any figure. There has been some funeral work and a few decorations, but these do not make any impression upon the large receipts of stock each day. Good Bridesmaid and Bride roses sell at $3.00 to $5.00 per hundred wholesale; seconds, at $2.00 to $2.50 per hundred. Shorts may be had for almost any price offered by the purchaser. American Beauty wholesale at from $2.00 to $20.00 per hundred. The dealers are unable to dispose of all at these prices, and many go to waste.

Bridesmaid, Sunrise, Perle des Jardins retail at 75c., $1.00 and $1.50 per dozen. American Beauty at $1.00 to $6.00 per dozen. The best grades of carnations may be bought for $2.50 per hundred, inferior grades at 75c. to $2.00 per hundred. Retail prices range from 35c. to 75c. per dozen. Sweet peas wholesale at 25c. t 35c. per hundred.

COLEUS, by the 100 or 1000.
ROSES, 1 year for potting on or plan
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BASKET PLANTS, $2.50 per 100; $24.
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WEBSTER BROS., Plantsme
HAMILTON, CANADA
Mention the Florists' Exchange when writin

There has been a large demand for a kinds of bedding stock, and better price are being obtained than those of last yea I. B.

PITTSBURG.—If we had decent weather it would help trade all around, but wit the thermometer close to 90 degrees an not a drop of rain for several weeks, n much can be expected. If this dry spe continues much longer a great deal harm will be done to plants and fruits As it is, young stock that was plante out this Spring is suffering. Outdoo stock of cut flowers is coming in heav at present, and not much will be le for Decoration Day. Peonies and iris ar being cut; daisies and several other sort of hardy blooms are added to the alread overstocked market. Roses and carnations are doing well, are of good qualit and low enough in price. Sweet peas ar in better demand, and coming in mor freely. Some fine yellow tulips have bee shipped from the North. A few violet are still to be had.

The bedding plantsmen are not any to well pleased with trade so far. The dr spell is hurting business, and after th first good rain every one will have mor to do than he is able. As most of this trad is done before Memorial Day, but littl time is left. There are plenty of plant in the markets, but not enough are bloom, particularly of geraniums. Goo blooming plants are scarce and bring better price than last season, 15c. or tw for a quarter; per dozen, from $1.00 upward. Cannas will be abundant, also caladiums. Salvias are selling better ever year, as many thousands are grown no for former hundreds. Some of the growers are short of water at this busy tim

Memorial Day falls on Saturday, th busiest day in the Allegheny market, an according to custom the market will b closed at 10 a.m., which does not suit th florist trade.

Ed. Reid, wholesale florist, Philadelphi spent a day in the city last week.

E. C. Ludwig, the Allegheny Mark florist, has bought a valuable piece property near the market house. E. C. REINEMAN.

ST. LOUIS.—Very little can be said regarding the market in this city. The onl slight improvement noted is in funer work, which has been quite plentiful The weather has been favorable for th planting, which is now in its full height and everybody is busy with this kind o work. The wholesale men are still overloaded with good stock, which sells a very cheap prices. So many carnation came in the past week that they wer disposed of as low as $5.00 per thousand this for all sorts, good, bad and indifferent. The best carnations still bring $1.5 and $2.00 in small lots. Sweet peas, o very fine quality, are in the market, an there is a favorable demand for them a 50c. and 75c. per hundred for the best They are now very plentiful, and a goo many of them are going to waste fo want of demand. Only the lighter shade are selling at the prices mentioned. Rose are arriving by the thousands, and it is only the better grades that bring a fai price. Others are sold in 1,000 lots a from 50c. to $1.00 per hundred. American Beauty good stock are selling out much better than they have been, and the prices are the same as quoted last week—$2.00 and $3.00 per dozen for the best; shorts at any price. Lilies have shortened up in supply somewhat, and have become scarce; the price on them is up to $8.00 and $10.00 per 100 for the very best.

Gladiolus are coming in, though not yet numerous; 50c. per dozen is all they bring. Very fine peonies are now available and bring $4.00 per 100. Lily of the valley averages $2.00 and $3.00, with none too many in the market. Smilax is coming better, at 15c. and 18c. per string. Asparagus and adiantum continue in supply equal to the demand, with no change in prices. ST. P.

LOUISVILLE, KY.—Business continues good, with plenty of roses and carnations in the market. The season for the planting of bedding stock is now on in full force, and those florists making a specialty of this class of work have all they can do. A. R. B.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our **Fumigating Powder** you can apply our **Black Stuff Fine** direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

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SITUATIONS WANTED

TUATION wanted by young woman in florist establishment. Address T. A., care Florists' change.

ANTED, by first-class carnation grower, position as working foreman. Married. F. W. dfrey, Port Richmond, S. I., N. Y.

REENHOUSE man, single, 30, sober; good, willing worker, wishes situation. State wages d particulars when writing. Address G. K., South Fourth St., Brooklyn, N. Y.

TUATION wanted as working foreman on place where first-class cut flowers are wanted; dustrious, sober; not afraid of work. Best of ferences. Address U. D., care Florists' Exange.

TUATION wanted in or near Boston, by an experienced man, capable of taking charge of se, carnation and chrysanthemum houses, etc. ply "Z," care F. J. Norton, 61 Mass. Ave., ston, Mass.

TUATION wanted, as working foreman, by first-class rose-grower on a place where roses e grown as a specialty. Only first-class place nted; No. 1 references. Address S. C., care rists' Exchange.

TUATION wanted by good grower of cut flowers and general stock; A1 designer and lesman; capable of taking charge of medium-zed place, or position in first-class store near iladelphia preferred. Address Eastern, care orists' Exchange.

SITION wanted as grower and manager by a successful and competent man in all branches an up-to-date establishment. Proficient in rysanthemums, roses, carnations, violets, genal stock. Aged 30. Place where working inrest is given preferred. Box 321, Glen Cove, Y.

TUATION wanted as gardener and florist; can take charge on gentleman's place; thoroughly perienced; speaks German and English; age ; single at the present time; strictly sober and nest; good references. State salary. Address Pulasky, Locust St., So. Greenfield, Brooklyn, Y.

HELP WANTED

ANTED, experienced rose grower, married man preferred. S. J. Reuter, Westerly, R. I.

ANTED, one good man for palms and ferns, also one good general greenhouse man. Mrs. A. Williams, 621 Penn Ave., Pittsburg, Pa.

ANTED, good traveler or representative for Belgian firm, on commission. State terms and pabilities to U. B., care Florists' Exchange.

ANTED, single man who understands growing and watering of roses. Call or write L. C. ibsamen, Murray Hill, N. J. Lackawanna R. Fare refunded.

ANTED at once, single man, one having some experience in growing carnations preferred. dress or call, stating wages, etc., Paul E. hwagen, Needham, Mass.

ANTED, young man who can furnish good eferences and is thoroughly honest and reble, to care for garden, lawn, horse and cow. ram T. Jones, Elizabeth, N. J.

ANTED, traveling man accustomed to selling ursery and florist stock. Good wages and manent position guaranteed to right man. dress U. A., care Florists' Exchange.

ANTED, good propagator of roses, hardy hrubs and bedding plants. Also foreman for ge mail order plant house, 40,000 feet of ss; 20 acres. Iowa Seed Co., Des Moines, a.

ANTED at once, good and reliable man for store; must be first class on design work and d salesman. Permanent and good situation capable man. Address, with references, Dener, care Florists' Exchange.

MPETENT working foreman wanted for place of 18,000 feet of glass, growing roses for de only. Pleasant eastern location near large y. Good chance for advancement. Young n with small family preferred. Give referes and wages expected, addressing U. C., e Florists' Exchange.

BUSINESS OPPORTUNITIES

R RENT CHEAP—Small commercial place, mmediate possession; write for particulars. nnah Baeppler, Florist, East Hackensack, J.

R SALE OR RENT—1200 sq. ft. of glass, eated by 2 No. 17 and 2 No. 16 Hitchings lers. Call on the place. No correspondence. Boyle, 116 Mountain House Rd., S. Orange, J., Mountain Station.

BUSINESS OPPORTUNITIES

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses; modern heating system; hot beds; potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

FOR SALE, or would lease, two greenhouses, about 8,000 feet of glass; well stocked; everything in good shape. Pleasant house, good barns. A fine chance for the right man, as I must do something at once. Owner not a florist and finds the greenhouses conflict with present business. Address B., Box 401, Meriden, Conn.

ON ACCOUNT of poor health I wish to lease my greenhouse establishment for a term of years; about 20,000 ft. of glass; established in 1860 and has been run continuously ever since. Steam heat; city water; everything convenient. One mile from City Hall in city of 125,000. Possession June 10, 1903. Enquire Chas. D. Thayer, Proprietor, 8 Ripley St., Worcester, Mass.

FOR SALE—Modern plant of 10 greenhouses, about 25,000 ft. of glass; with land, stock, fixtures, and good will of business; 30 years established and under one management, but completely rebuilt in last 10 years. Entire products sold retail; the largest place of kind in New Hampshire. Relief from business cares reason for selling. Books open. Ellis Bros., Keene, N. H.

A RARE BUSINESS OPPORTUNITY.—OLD AND WELL-ESTABLISHED FLORIST BUSINESS FOR SALE; 50,000 FT. OF GLASS (IN TWO PLACES—35,000 FT. IN ONE, 15,000 FT. IN THE OTHER, THE LATTER ON LEASED GROUND, LONG LEASE); WELL STOCKED AND IN GOOD CONDITION; ALSO RETAIL STORE IN BUSINESS PORTION OF CITY, WITH A WELL-ESTABLISHED, PROFITABLE TRADE. WOULD PREFER TO SELL THE STORE AND THE SMALLER PLANT, AND KEEP THE LARGER AND GROW ANYTHING THAT WOULD BE NEEDED TO SUPPLY STORE. THIS IS AN OPPORTUNITY FOR A GOOD STORE MAN AND A GROWER TO MUTUALLY ACQUIRE ON FAVORABLE TERMS A DESIRABLE PLANT AND STORE WITH A LARGE AND FIRST-CLASS TRADE. THIS IS A PROPOSITION THAT WILL BEAR CAREFUL INVESTIGATION; BEST REASONS FOR SELLING. SCHLURAFF FLORAL CO., ERIE, PA.

Greenhouses For Sale

For sale, a well established Greenhouse property, consisting of 3 houses, 20x87 each, heated No. 17 Hitchchok Boiler; 4-room house and barn; city water. Stock of Chrysanthemums and Carnations. Close to New York city. Enquire of owner on the premises.

WM. SCHUBERT, Forest Avenue, East Williamsburg, **Brooklyn,** N.Y. Take Metropolitan Ave. cars from Broadway ferry.

MISCELLANEOUS

WANTED—1000 Dracæna Indivisa seedlings. Send price and sample to Rockville Greenhouses, Box 327, Rockville Centre, L. I., N. Y.

WANTED, STOCK PLANTS OF WHITE LADY AND BESSIE BROWN ROSES; OR YOUNG PLANTS OF THE SAME. STATE PRICE. ADDRESS W. H. DANIELS, FLORIST, MAMARONECK, N. Y.

WANTED.

5,000 Echeverias

Send sample and quote prices at once to

G. H. STUBER, WOODLAWN, N. Y. CITY

Mention the Florists' Exchange when writing.

FOR SALE, 25 boxes 8x10 glass; $2.00 per box. Cash with order. H. B. McKnight, 156 Whiton St., Jersey City, N. J.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE

Several thousand square feet of **Slate** in perfect condition and very smooth; just the thing for greenhouse benches. Size 13x26 inches, ⅝ in. thick. Cost when new, 24c. each. Will sell for 15c. each, f. o. b. Will bear a weight of 200 lbs. in the middle when supported at each end. Write for prices on large quantities.

Edwards Floral Hall Co., Atlantic City, N. J.

Mention the Florists' Exchange when writing.

SASH FOR SALE

250 Greenhouse Sash, 3 feet x 8 feet, in good order. Address

Chas. J. Marc, Woodside, Long Island, N. Y.

Mention the Florists' Exchange when writing.

FINE PLANTS. Cannas, 3½-inch, $3.00 per 100. Geraniums, Gen. Grant, 3 inch, $3.00 per 100. Coleus, yellow and Verschaffeltii, $2.00 per 100. Heliotrope, 3 inch, $3.00 per 100. German Ivy, 2½ inch, $2.00 per 100. Cut smilax, fine strings, 20c. per string. Cash with order. Wm. Kerr, Pikesville, Md.

VERBENAS

Rooted Cuttings, 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100, $5.00 per 1000. Dwarf Blue Lobelia, R. C., 75c. per 100, $5.00 per 1000. Asparagus, from flats, ready for potting Sprengeri, $1.00 per 100; $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. Terms, Cash.

Hill Top Greenhouse, 15-16 GRAY AVE., UTICA, N. Y.

COLEUS

Golden Bedder, Verschaffeltii and other varieties, 2½ in. pots, $2.00 per 100

ENGLISH IVY. Strong plants, 3 ft. long, 4 in. pots, $12.00 per 100.

DRACÆNA INDIVISA. Extra strong 6 in. and 7 in. pots, $5.00 and $6.00 per doz.

WILLIAM GOTTHARDT, 311 Ocean Ave., JERSEY CITY, N. J.

N. Y. Bay Cemetery

SURPLUS STOCK

Variegated Vincas, good strong plants from 4 in. pots, $10.00 per 100.

Salvias, from 3 in. pots, $4.00 per 100.

Lobelias, from 2½ in. pots, $2.00 per 100.

EDWARD EGGERT, New Britain, Conn.

42 Whiting Street

Mention the Florists' Exchange when writing.

VINCA

(MYRTLE)

$4.00 per 100; $35.00 per 1000.

H. PLADECK,

ST. JOHN'S CEMETERY, MIDDLE VILLAGE, L. I., N.Y

Right Here in Connecticut

Stock all in A 1 shape and will be shipped same day order is received.

	100
Alternanthera, red and yellow, 2 in.	$2.00
Coleus, 10 varieties, fine, 2¼ in.	2.50
Lobelia C. P. Compacta, 2½ in., fine	3.00
Begonia Vernon, 2 in., in bloom	2.50
Dusty Miller, C. Gym, 3 in.	4.00
Salvia Splendens, 3 in.	4.00
Dreer's Single Fringed Petunias, 3 in., in bloom	4.00
Artillery Plant, 2 in.	2.00

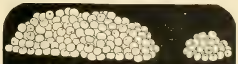
CASH WITH ORDER PLEASE.

D. WM. BRAINARD, Florist,

Thompsonville, Conn.

Office and Entrance, Garden Street.

Mention the Florists' Exchange when writing.



Actual Results

of the advantages of spraying are shown in above picture. The two piles of apples came from the same number of trees in the same orchard row. The big pile from sprayed trees. Pictures taken from actual photographs.

The Best **Spraying Pumps**

bucket, knapsack, barrel, hand and power, are made by the undersigned, inventors and sale owners of many new valuable spraying fixtures and features. Write for free catalogue and booklet on insects, plant and fruit diseases.

THE DEMING CO., SALEM, O.

Mention the Florists' Exchange when writing.

SPECIAL NOTICE.—We will give 5 per cent. discount on all orders placed with us within the next 15 days, on delivery within this time or 60 days after, so as to avoid the rush after Decoration Day. This discount includes boilers, second-hand pipe, engines, and hose, and excludes glass and new pipe; 5000 ft. special new job lot hose, will stand 125-lb. pressure, $5.10 per 100 ft. This price holds good to May 30th only. One No. 16 Hitchings boiler, guaranteed in good order, $50.00. One No. 10 Rider engine, almost new, $135.00. One Rider No. 6, $110.00; one Ericsson No. 8, $80.00; one Ericsson No. 6, $60.00. These engines are guaranteed in good working order. One Aquarium fountain, $12.00, cost new $65.00; 400 boxes 10x12, 10x14 glass, not quite up to double-thick standard, $3.00 per box, for one week only. New 2 in. wrought iron pipe, 10c. per ft. Second hand, 2 in., 8c. per ft.; 1½-in., 5c. per ft.; 1¼-in., 4½c. per ft.; 1-in., 3½c. per ft.; ¾-in., 3c. per ft. Write for prices on all kinds of tools and lumber. MANHATTAN SUPPLY CO., 440-442 11th Ave., N. Y.

Philadelphia.

General News.

Leonard Barron, secretary of the American Rose Society, was here the past week making the final arrangements with the Pennsylvania Horticultural Society about the schedule for 1904. The rose schedule is now complete, and is in our possession to print. It will be issued during the next two weeks.

Adolph Farenwald has his two new rosehouses about completed. He will have fourteen houses in American Beauty and Liberty roses next season.

Samuel C. Moon, of Morrisville, called at the Florists' Club room this week to remind the members of the invitation he gave last Winter to visit his nurseries in June. During an address at a club meeting he said that florists should become more familiar with evergreens, etc., especially as to the various colors of the plants, so that they could more readily order for window boxes, small groups, etc., such evergreen as would blend well together. He invited the members to take a trip to his nursery as their Summer outing. The matter will now be taken up, and at present the middle of June is thought of. Friend Moon says he will give the boys something to eat and plenty of spring water and buttermilk. John Westcott says, "That's all right; we can make a brew to use on the way up and back."

The annual shoot of the Pennsylvania State Sportsmen's Association being held this week on the Florists' Gun Club's grounds has proven a most successful affair, there being about 250 shots from all over the country present, including all the noted crack shots. Five sets of traps are in constant use from morning till darkness falls. The Florists' Gun Club members have put in a busy week taking care of their guests.

The May meeting of the Pennsylvania Horticultural Society was a very good one. Prizes were awarded for Calceolaria rugosa to Ernest Schrieber, gardener to W. L. Elkins, Esq., and Joseph Hurley, gardener to Jas. W. Paul, Esq. Prizes for cauliflower were offered by Henry A. Dreer, Inc., and were awarded to Otto Griebwasser, gardener to John B. Stetson, Esq., and Thomas Long, gardener to George W. Childs Drexel, Esq. Henry F. Michell offered prizes for cauliflower, lettuce and calceolarias, which were awarded in the order given to Otto Triebwasser, Thomas Long, and Chas. Gumpper, gardener to H. E. Richards, Esq. H. Waterer offered prizes for gloximas; the premiums went to Wm. Robertson, gardener to John W. Pepper, Esq., and Joseph Hurley.

During June two meetings of the society will be held—the first on June 2, which will be the outdoor rose meeting, and the other on June 23. This latter will be the sweet pea meeting. Large exhibits are expected at both.

The date for the combined Spring exhibition of this society and the American Rose Society for 1904 was decided upon for March 22, 23 and 24.

H. Waterer, seedsman, sailed for England on Tuesday last on the Kaiser Wilhelm der Grosse on a business trip. He will be away about four weeks.

Bowlers, don't forget about the tournament to select the Milwaukee team. If you wish to enter send your name to Captain George Moss before May 29. The first game will be rolled June 3.

DAVID RUST.

FIRMS WHO ARE BUILDING.

MADISON, N. J.—Pierson & Sefton Co., of Jersey City, have the contract to build some new greenhouses for Righter & Button, and have begun the work.

CHANGES IN BUSINESS.

BRIDGEPORT, CONN.—Charles E. Keith and Frederick S. Jackson, under the firm name of Keith & Jackson, have purchased the florist business at 279 State street, formerly owned by G. E. Whitehead.

JOLIET, ILL.—Larson & Gustanson have purchased the Schmidt greenhouses here, and will operate same.

COLEUS Six choice varieties, including Verschaffeltii, Golden Bedder, Queen, etc., grown in flats. $1.00 per 100, $9.50 per 1000. Cash with order. **ATLANTIC COAST NURSERIES,** office 606 Fourth Ave., Asbury Park, N. J.

Mention the Florists' Exchange when writing.

The Philadelphia Wholesale Flower Market
1224 CHERRY STREET, PHILADELPHIA.

Mention the Florists' Exchange when writing.

WE ARE HEADQUARTERS FOR GOOD
PEONIES
IN QUANTIT

Wired Toothpicks

10,000, $1.50; 50,000, $6.25.

MANUFACTURED BY

W. J. COWEE, Berlin, N. Y.

Samples Free. For sale by dealers.

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GEORGE RIPPERGER,

SHEEP MANURE

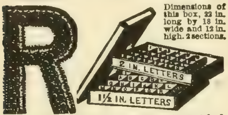
I have now on hand a large quantity of
A1 SHEEP MANURE,
☞ Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.

Office, 207 Academy St.
Factory, Seventh St. **Long Island City.**

Mention the Florists' Exchange when writing.

BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager.
FACTORY: 18 Green St. **BOSTON, MASS.** OFFICE: 84 Hawley St.

Mention the Florists' Exchange when writing.

ESTAB. 1765
A.H. HEWS & CO
NO. CAMBRIDGE MASS
L. I. CITY N.Y.
CATALOGUE FREE

Mention the Florists' Exchange when writing.

FERTILIZER

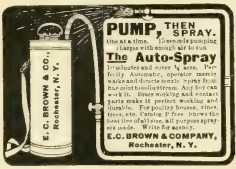
We manufacture a superior article for Potatoes, Cabbage, Celery, Corn, etc., body of same **Pure Bone**; tests about 6 per cent. Ammonia, 7 to 8 per cent. Potash K.O.; 166 pound bag. $3.25; ton, $36.00. A pure Bone Meal for greenhouse, lawns, fruit trees, etc.; tests 6 per cent. Ammonia, 30 per cent. Bone Phosphate; 166 pound bag, $3.00; ton, $32.50. Also have a practical Potato Special, tests 8 per cent. Potash, $30 00 ton. A dissolved Bone and Potash, tests 10 per cent. avail. Phos. Acid, 2 to 3 per cent. Potash, $22.50 ton. A General Crop Fertilizer, at $24.50. All delivered free, in ton lots, if cash accompanies order. **Jas. L. Reynolds Co., Mt. Vernon, N.Y.**

Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.

Wax Flowers, Floral Designs, Florists' Supplies.

Mention the Florists' Exchange when writing.


E. C. BROWN & CO., Rochester, N. Y.

PUMP, THEN SPRAY.
One at a time. 15 seconds pumping charges with enough air to run **The Auto-Spray** 10 minutes and cover ¼ acre. Perfectly Automatic, operator merely walks and directs nozzle. Spray from fine mist to solid stream. Any boy can work it. Brass working and contact parts make it perfect working and durable. For poultry houses, vines, trees, etc. Catalog P free. Shows the best line of all size, all purpose sprayers made. Write for agency.
E.C. BROWN & COMPANY,
Rochester, N. Y.

Mention the Florists' Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6.00
1000	3 " "	5.00
800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4.51
144	6 " "	3.16

			Price per crate
120	7	pots in crate,	$4.20
60	8	" "	3.00
HAND MADE.			
48	9	in. pots in crate,	$3.60
48	10	" "	4.80
24	11	" "	3.60
24	12	" "	4.80
12	14	" "	4.80
6	16	" "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**
Or AUGUST ROLKER & SONS, New York Agents,
31 BARCLAY STREET, NEW YORK CITY.

Mention the Florists' Exchange when writing.

Foley Floral Fotographs

Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.

226-226½ BOWERY, NEW YORK

Mention the Florists' Exchange when writing.

NATIONAL FLORISTS' BOARD OF TRADE
OFFICE REMOVED TO
Wallace Building (ROOMS 601-603) 56 Pine St., N. Y. Cit

NEW MANAGEMENT.
HARRIS H. HAYDEN (Late Manager of the Nepera Chemical Company), - - President
WILLIAM A. MOORE (Assistant District Attorney for Westchester Co., N. Y.), Vice-President
JOHN E. WALKER (Member of the New York Bar), - - - - Secretary and Treasurer

Improved facilities for making collections in all parts of the United States, Canada and Europe. Reliable reports secured at short notice. Service prompt, trustworthy and efficient. Give us a trial.

Mention the Florists' Exchange when writing.

FOR SOUTHERN WILD SMILAX

Where quality is first consideration, write, wire or phone the introducers,

CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.

Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

Berberis Oregonium
Mahonia.

Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid**, for $1.00.

J. H. HOWE, Florist, 1433 34th Ave., So. SEATTLE, WASH.

Mention the Florists' Exchange when writing.

GALAX

Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000: Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

L. J. KRESHOVER, 110-112 W. 27th St., New York.

Tel. 597 Madison Square.

Mention the Florists' Exchange when writing.

New Crop Dagger Ferns now ready, $1.50 per 1000. Fine lot of **Fancy Ferns**, $1.50 per 1000. **Galax**, Bronze or Green, 75c. per 1000. **Moss**, 50c. per bbl. sack. **Laurel Festooning**, No. 1 quality, fresh every day, 4c., 5c. and 6c. per yard. **Laurel Wreaths** and **Pine Wreaths**, just what you want for Memorial Day trade. Order them now, and your **Ferns** and you will be sure to get the best to be had when you want them, and on time. **Ground Pine** by the pound if wanted.

CROWL FERN CO

MILLINGTON, MASS.
Telegraph Office: NEW SALEM, MASS.
Long Distance Telephone Connections.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.

Tel. 28 A. **SHORT HILLS, N.**

HARDY CU
FERNS

First class stock w ranted. After May 30, new crop will be fit sale here and I will th sell the same for 50c. 1000. At present my c storage stock is $1.20 1000. I hope my custom will remember the pr after May 30. Laurel Wreaths for Decoration I will be furnished on orders by dispatch or t phone: Also Bouquet Green Wreaths for l price Decoration Day; Loose Bouquet Green, $ per 100 lbs. Florists stay by me; I do as I agre do. Fine Sphagnum Moss, fresh pulled and lo 50 cts. per bbl. Fern Bulbs to plant in flower b or hot houses. Write for prices. All orders mail or dispatch promptly attended to.

THOMAS COLLINS, HINSDALE, MA

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We are outfitted to
everything in this li
required by the flori
the seedsman and t
nurseryman, from
envelope to the mo
stylish kind of a cat
logue. Write us.

A. T. De La Mare Ptg & Pub. C
LIMITED,
RHINELANDER BUILDING,
NEW YORK.

STANDARD FLOWER POTS.
THE WHILLDIN POTTERY COMPANY.

Traveling Representative:
U. CUTLER RYERSON, 108 Third Ave., Newark, N. J.

PHILADELPHIA, PA., JERSEY CITY N. J.
LONG ISLAND CITY, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN BRAND
FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.

Mention the Florists' Exchange when writing.

DAGGER FERNS
FOR MEMORIAL DAY

Order direct from Headquarters. New Crop, $1.50 per 100

We would respectfully inform the trade that our new crop **DAGG FERNS** are now ready and are A No. 1 quality. Be sure and order th early to avoid disappointment. We carry a full assortment of **FLO ISTS' HARDY SUPPLIES**, as follows:

Galax, $1.00 per 1000; Leucothoe Sprays, Hardy Fern Moss, Bouquet Green, Laurel Festooning, 5 and 6 ct per yard; Bundle Laurel, Etc.
Extra Choice Ferns, $2.00 per 1000.

Your Orders are Solicited and will have our Best Attention.

HENRY M. ROBINSON & CO., 36 COURT SQ BOSTON, MAS

NOTICE: We will remove June 1st to 11 Province St., opposite City Hall.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION: How To Grow
By C. W. WARD
READY FOR DELIVERY
Price $3.50, Carriage Paid

Sample pages, giving synopsis of contents, mailed on applicati

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Wholesale Florists
55 and 57 W. 26th St., New York
Coogan Building
Consignments of First-Class Stock Solicited
Telephone: 2438 Madison Square

Geo. E. Bradshaw John R. Hartman
BRADSHAW & HARTMAN
Wholesale Florists
53 West 28th Street, NEW YORK
Telephone, 1797 Madison Square
Consignment Solicited

CUT FLOWER EXCHANGE
Coogan Building, 6th Ave. and 26th St.
NEW YORK
Open every Morning at 6 o'clock for the Sale of Cut Flowers
This is not a commission house; the market consists of individual stands
Wall Space for advertising purposes to Rent
J. DONALDSON, Secretary

JAMES McMANUS, Telephone, 759 Madison Square **50 W. 30th St., New York**
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

THE PIONEER
J. J. PERKINS, Wholesale Florist
Specialties **ROSES-CARNATIONS-VIOLETS**
115 West 30th Street, New York
TELEPHONE 956 MAD. SQUARE
Branch Store:
48 West 30th St., N. Y.
R. W. PERKINS, MANAGER
Shipping Orders attended to Promptly. Consignments of good stock can always be handled; quick returns GUARANTEED. Established 1872.

MOORE, HENTZ & NASH
WHOLESALE
GROWER AGENT
COMMISSION FLORISTS
55 West 26th St., New York

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
WILLIAM H. GUNTHER
30 West 29th Street, NEW YORK
Telephone Call 551 Madison Square
Violets Roses Carnations Orchids
Established 1888

The Pioneer House
Tel. 167 Madison Sq.
Can Fill Out-of-Town Orders at all Times
Personal attention given all orders. Specialties: **Bride, Bridesmaid, Amer. Beauty Roses, Violets, Carnations,** and other varieties not mentioned. Open at **6 o'clock** every morning.
Consignments Solicited
J. K. ALLEN, 106 West 28th St., **New York**

YOUNG & NUGENT
..Wholesale Florists..
CATTLEYAS, Am. Beauty, Liberty, Sunrise, Bride, Bridesmaid, Meteor, Golden Gate, and all other Leading Varieties of Roses.
42 W. 28th Street, - NEW YORK

ALEX. J. GUTTMAN
Wholesale Florist
All Seasonable Flowers and Novelties at Proper Prices can be had at
52 WEST 29th STREET, NEW YORK
Telephone, 1738 Madison Square

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WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
Telephones: 2200 Madison Square, 2201 Madison Square
57 West 28th Street, NEW YORK

H. C. Riedel F. D. Spicer
RIEDEL & CO.
Wholesale Florists
Telegraph your wants. Everything in the line of cut flowers shipped to all parts of the U. S. Send for weekly price list.
34 W. 29th St., New York
Telephone 3039 Madison Square

Wholesale Prices of Cut Flowers, New York, May 22, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	6.00 to 12.00
	" extra	5.00 to 6.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	8.00 to 12.00
	Bride, 'Maid, fancy—spc'l	3.00 to 6 00
	" extra	2.00 to 3 00
	" No. 1	1.00 to 2.00
	" No. 2	.50 to 1.00
	Golden Gate	1.00 to 6.00
	Liberty	1.00 to 10.00
	Meteor	.50 to 2.00
Adiantum		.35 to .75
" Croweanum		...... to 1.25
Asparagus		25.00 to 50.00
Callas		3.00 to 6.00
Cattleyas		12.00 to 25.00
Cypripediums		.... to ......
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.30 to .75
	Standard Varieties	White	.30 to .75
		Pink	.30 to .75
		Red	.30 to .75
		Yel. & Var.	.30 to .75
	*Fancy— (*The highest grades of standard var.)	White	.75 to 1.00
		Pink	.75 to 1.00
		Red	.75 to 1.00
		Yel. & Var.	.75 to 1.00
	Novelties		.75 to 1.00
Lilies			1.00 to 3.00
Lily of the Valley			...... to .50
Narcissus—Paper White			...... to .50
" —Yellow			...... to .50
Mignonette—ordinary			4.00 to 5.00
" fancy			...... to ......
Peonies, per bunch			.15 to .30
Smilax			10.00 to 12.50
Stocks, per bunch			.05 to .10
Sweet Peas, per bunch			.02 to .05
Tulips			...... to ......
Lilac, per bunch			.05 to .20

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston May 20, 1903	Phil'delphia May 19, 1903	Baltimore May 13, 1903	Buffalo May 20, 1903	Pittsburg May 19, 1903
	A. BEAUTY, fancy—special	...... to 16.00	...... to	...... to	15.00 to 25.00	20.00 to 25.00
Roses	" extra	...... to 12.00	25.00 to 33.00	...... to	10.00 to 12.00	10.00 to 15.00
	" No. 1	4.00 to 8.00	12.00 to 16.00	15.00 to 20.00	6.00 to 8.00	6 00 to 8.00
	" Culls and Ordinary	1.00 to 2.00	6.00 to 8.00	4.00 to 12.00	2.00 to 4.00	2.00 to 4.00
	Queen of Edgely	3.00 to 12.00	12.00 to 32.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to	...... to	...... to 6.00	...... to	...... to 8.00
	" extra	...... to 4.00	8.00 to 10.00	...... to	6.00 to 8.00	4.00 to 6.00
	" No. 1	2.00 to 3.00	6.00 to 8.00	...... to	4.00 to 5.00	2.00 to 3.00
	" No. 2	.50 to 1.00	4.00 to 5.00	...... to 3.00	2 00 to 3.00	...... to 1.00
	Golden Gate	...... to	4.00 to 8.00	3.00 to 6.00	2.00 to 6.00	...... to ......
	K. A. Victoria	1.00 to 6.00	4.00 to 10.00	3.00 to 6.00	2.00 to 8.00	2.00 to 8.00
	Liberty	1.00 to 4.00	6.00 to 20.00	2.00 to 6.00	2.00 to 8.00	4.00 to 8.00
	Meteor	.50 to 4.00	6.00 to 10.00	2.00 to 6.00	2.00 to 8 00	2.00 to 4.00
	Perle	...... to	4.00 to 8.00	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
	ORCHIDS—Cattleyas	...... to	...... to 50.00	...... to	...... to	...... to ......
	Cypripediums	...... to	.. to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	.20 to .25	.75 to 1.00	...... to 1.00	.75 to 1.00	.50 to .75
	STANDARD VARIETIES White	.25 to .75	.75 to 1.00	1.25 to 2.00	1.00 to 2.00	1.00 to 1.25
	Pink	.25 to .75	.75 to 1.00	1.25 to 2.00	1.00 to 2.00	1.00 to 1.25
	Red	.25 to .75	.75 to 1.00	1.25 to 2.00	1.00 to 2.00	1.00 to 1.25
	Yellow and var.	.25 to .75	.75 to 1.00	1.25 to 2.00	1.00 to 2.00	1.00 to 1.25
	*FANCY (*The highest grades of Standard var) White	...... to 1.00	3.00 to 5.00	...... to	2.00 to 3.00	1.50 to 2.00
	Pink	...... to 1.00	3.00 to 5.00	...... to	2.00 to 3.00	...... to 1.50
	Red	...... to 1.00	3.00 to 5.00	...... to	2.00 to 3.00	...... to 1.50
	Yellow and var.	...... to 1.00	3.00 to 5.00	...... to	2.00 to 3.00	...... to 1.50
	NOVELTIES	1.00 to 1.50	...... to	...... to	4.00 to 6.00	...... to ......
	ADIANTUM	.50 to 1.00	1.00 to 10.00	...... to 1,00	.60 to 1.00	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00	...... to 50.00	25.00 to 75.00	10.00 to 60.00	20.00 to 50.00
	CALLAS	4.00 to 6.00	...... to 12.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	.25 to .75	.50 to 1.50	...... to	...... to	.25 to 1.00
	GALAX LEAVES	...... to .10	...... to .10	...... to .10	.10 to .15	...... to ......
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILAC	...... to	...... to	...... to	...... to	...... to ......
	LILIES	6.00 to 8.00	...... to	8.00 to 10.00	10.00 to 12.50	6.00 to 12 00
	LILY OF THE VALLEY	.50 to 1.00	3.00 to 5.00	.50 to .75	.50 to 3.00	2.00 to 4.00
	MIGNONETTE—Ordinary	1.00 to 1.50	...... to	1.00 to 2.00	1.00 to 2.00	...... to ......
	" Fancy	...... to	...... to	...... to	3.00 to 4.00	1.50 to 2.00
	NARCISSUS	...... to	...... to	...... to	.50 to 1.50	.25 to 1.00
	PANSIES	.15 to .25	...... to	.30 to .40	...... to	...... to .25
	SMILAX	...... to 15.00	15.00 to 20.00	10.00 to 25.00	...... to 15.00	10.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	.25 to .35	.50 to 1.50	...... to .50	.25 to .75	.10 to .75
	TULIPS	1.00 to 2.00	...... to	...... to	1.00 to 2.00	...... to ......
	VIOLETS	...... to	...... to	...... to	...... to	...... to ......

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Boston

News Notes.

The school committee, at its last meeting, voted to abolish the annual school festival this year—an occasion when many flowers were used. From 3,000 to 3,500 bouquets, for which the city paid 40c. each, were presented to the grammar school graduates on the first Saturday of July, just the time when business is most quiet.

George A. Sutherland has an immense stock of metal wreaths on exhibition this week, and reports that the "Koral" letter makers are working overtime.

At Welch Bros. the first pond lilies of the season arrived this week.

On Tuesday quite a lively hailstorm, though luckily of short duration, visited this section, but no reports of damage have been heard. F. J. N.

Pittsfield, Mass.

Nine florists of Pittsfield have agreed on a schedule of prices for the season and are to have the schedule printed and distributed. The schedule of prices covers the entire list of potted plants which are annually marketed, celery, cabbage, cauliflower, peppers and tomatoes. The florists who have agreed on the schedule of prices are John White, F. I. Drake, F. S. Follwell, George Neal, T. L. Lowden & Sons, L. W. Acheson, R. Engleman & Son and John O'Brien.

Providence, R. I.

General News.

No matter the weather conditions, the old standbys manage to attend the Florists' Club. At our past meeting there was a regular attendance, and casual business held up there until after 11 o'clock. It was the opinion of the members that every meeting rendered something worth knowing, and that we all profited by coming together.

On Thursday evening, June 11, it is intended to hold a chowder supper and a social discussion of current doings in our midst. Mr. Rennie, the secretary, is hopeful of a fine attendance.

The intense warmth of the past week has hindered planting, and the lawns have burned considerably in some sections. The bedding out work is just at its busiest, and lots more yet to do. C. S. M.

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Mention the Florists' Exchange when writing.

Hartford, Conn.

Florists' Club Meeting.

The Florists' Club held a very interesting meeting Tuesday evening. Mr. J. F. Huss showed two fine specimens of Lælia purpurata (different varieties), each plant having two dozen or more blooms on it. Mr. Huss gave some interesting facts on the subject of orchids. Robert Karlstrom, gardener at Elizabeth Park, showed twenty-five species and varieties of Spring flowers, hardy shrubs and herbaceous perennials, which included Phlox divaricata, Spiræa prunifolia, Iris crista, Pulmonaria officinalis, Mertensia virginica, Phlox subulata alba, Phlox amœna, Phlox subulata "The Bride," Aquilegia cœrulea Van Houttei, Geranium maculatum, Primula farinosa, Azalea mollis, Azalea mollis "Anthony Koster," Azalea amœna "Hydrogama," Azalea indica narcissiflora, Azalea amœna, Azalea nudiflora, Exochorda grandiflora, Lonicera tatarica alba, Lonicera tatarica, Berberis japonica, Cercis canadensis, Viburnum lantana, Pyrus floribunda, Prunus pumila. Mr. Karlstrom gave a very interesting talk on the same. The judges for the evening were H. J. Koehler, E. Fardel and J. Vidbourn, who awarded a diploma to Mr. Huss and a certificate of merit to the Elizabeth Park Nurseries. One new member was voted in. J. F. C.

Syracuse, N. Y.

Trade is very dull; funeral orders are the great standby of the florists just now. We are having the longest dry spell that has been known for many years; as a consequence, very few carnations have been planted out, the ground is so parched and dry. A heavy frost, 8 degrees, on May 1, did considerable damage to the young growth of hardy shrubs, and the outlook for Memorial Day is far from being bright, as very little can be depended upon outside stock to help out.

Park Superintendent Campbell has had some very beautiful beds of tulips and pansies in the parks which have been greatly admired. Every one is praying for rain; when it does come bedding out will be done with a rush. So far, nothing has been done in that direction.

Last year the Evening Herald Company started a gardening club among the school children and sold flower seeds at one cent a package. Over 21,000 packets were disposed of. This year the sales have reached 50,000 packets. The vast amount of good accomplished by the work cannot be estimated, for each week children took bouquets to the newspaper office, to be sent to one of the hospitals or homes. It was surprising the interest that was shown in bringing in the most flowers. Another very notable object obtained was that there were fewer depredations on flower beds than ever before known. The children seemed to value their own flowers so much that they respected other people's. It would be a grand thing if many other cities would follow the example of the Syracuse Evening Herald. A grand opportunity is open to some live, wideawake florists to take the matter in hand. I will gladly outline the Herald's plan to any who feel interested. H. YOUELL.

Utica, N Y.

At the last meeting of the Florists' Club Professor George E. Hodges gave a talk on plants, illustrated with stereopticon views. The subject was treated in an interesting manner; the views were clear, many of them being beautifully colored.

At the business session the following officers were elected for the current year: President, F. J. Baker; vice-president, Y. McGowan; secretary, J. C. Spencer; treasurer, C. F. Seitzer. The secretary's annual report showed that there were 35 members on the roll, a gain of 15 during the year. The treasurer's books indicate a balance of $69.10 on the right side of the ledger. QUIZ.

Chicago.

ws Jottings.

The weather here at present is not y favorable for outdoor carnations. se who have their young stock nted on high ground have begun to the effects of the dry spell, which l also have a considerable effect on aster crop the coming Summer, if rain should come pretty soon etail trade in the cut flower line is very good. There is not much e by the retail florists in the plant .

aughan's Seed Store is doing a large le in Spring bedding plants at the sent time.

r. and Mrs. Peter Reinberg will brate their twentieth wedding anniversary Friday, May 22.

he employees of Vaughan's Seed re held their fourth annual encampment at Western Springs, Sunday, May with the employees of the greenses there. All report having had excellent time.

sitors in town the past week: J. Hobbs, of Joliet, Ill., and Mr. Noe, he New York Cut Flower Exchange.

R. J.

St. Louis.

b Meeting.

The attendance at the club meet- last Thursday afternoon was very n. May is always a bad month for florists to get away, as nearly all the plantsmen are busy with out- r work. At the time of opening the ting only eight members were pres- with both the president and vice- sident absent, the former in a let- reported himself sick and the latter busy planting out. So ex-President more was prevailed upon to take chair and the meeting opened at 'clock.

ll committees were continued until t meeting. The trustees are to e arrangements for our annual ng in July, and will report at the t meeting. William Davies, who last with E. G. Hill Co., of Rich- d, Ind., was present. Mr. Davies now a lawyer and out of the busi- s, but is still a lover of flowers. He le a short talk on how he got in and of the business. Mr. Davies was ted an honorary member of the . Mr. Fillmore's essay was not l; it will be saved for the next ting, when a larger attendance is ected. This, with Vice-President dler's essay on "Peonies and Irises Cut Flowers—How to Increase k and Care for Them," will make June meeting an interesting one. growers of sweet peas are requested bring a few flowers to the next ting; a special effort will be made ave that meeting one of the largest he year, as a few distinguished vis- s will be in the city at that time will be invited to attend. The date his meeting is Thursday afternoon, e 11, at 2 o'clock.

e and There.

The landscape department at the rld's Fair is busily preparing its k, which will distinguish the Louis- Purchase Exposition display from previous one of the kind. William l has charge of the Tesson greenses for the nursery work in the scape department. Some of the nues are rapidly acquiring a fin- d look.

. Bayersdorfer & Co.'s representa- , Martin Reukauf, of Philadelphia, in town the past week calling on trade with Decoration Day goods.

F. Ammann, of Edwardsville, was isitor Monday, much improved from sprained back. Fred missed the two meetings, but says this will er happen again. He reports trade the plant and cut flower lines as r better.

eorge Windler, on Delor avenue, is busy planting out carnations. A l season in plants is reported.

x-Mayor Halstedt, of Belleville, of the St. Clair Floral Co., called sday and reported plenty of work ll branches of the trade. The firm begin planting the Hucke place t week. Mr. Halstedt will take a rt trip to Chicago next week.

ling.

At the bowling alleys last Mon- night eight members rolled three es. Some excellent scores were le. Beneke, with 192, was first in score; Kuehn second, with 181. ber, Miller, Young and Adler also wed that a good team can be made up for the Milwaukee meeting this Summer. Every Monday night the boys can be found at the Monarch alleys, 2012 Locust street. All florists are invited to call and try their hands at the game the florists like so well.

ST. P.

Buffalo.

News Notes.

Some of Rudolph Boettger's geraniums, as offered on the market last Saturday, challenged admiration as approved quality stock. As regards varieties, he notes that excepting a very small number of odd colors, a trio consisting of J. J. Harrisson, semi double scarlet; Beaute Poitevine, salmon-pink, and S. A. Nutt, red, largely meets the demands as satisfactory to most buyers. By confining his efforts to so few varieties better plants are produced.

C. F. Christensen mentions active sales in bedding plants.

At Lancaster, N. Y., Palmer & Son are well started at more building. In round figures 8,000 feet of glass will be rebuilt, and 10,000 newly added. The constructing will include two houses of 200 feet long, one 12 feet, the other 21 feet wide; one of same latter width, 235 feet long, and one 300 feet long by 12 feet, which is to be used in part as a connecting house or passageway, thus taking the place of wood shed buildings, none of which is seen here. A boiler house also will be built, large enough to install four tubular steam boilers of 52 horse-power each. Two of these will be set and employed directly. Wood construction will generally enter in these houses, which are to be devoted to carnations and other kinds in assortment.

At Delaware Park.

Any commercial plantsman might be pardoned for looking at the supply of bedding stock at the Delaware Park with envious eyes. Assistant Superintendent James Braik certainly has surpassed any previous records, for both quantity and quality.

For special effects and semi-tropical bedding, are grown musas, Alocasia illustris, a favorite here; ricinus, caladiums and cannas, the latter running into thousands, and in which Black Beauty, President McKinley and Tarrytown are prominent. The geranium stock numbers fully 25,000 plants, generally grown in 4-inch pots. The leading varieties include single General Grant, Mrs. E. G. Hill, S. A. Nutt, Frances Perkins (red), Alphonse Ricard, Lesaul, a deep double red; Pasteur, dark red; Beaute Poitevine, a double dark pink called Detroit Bedder, and Mme. Salleroi, for bordering. In coleus varieties, Verschaffeltii, Golden Bedder and Chicago Bedder fill the needs of general purposes, aside from a limited number of Firebrand for brilliant effects. But little seed-grown stock is employed, and limited closely to verbenas, petunias and antirrhinums. Coming to alternanthera, a 300-foot spread of six feet in length sash accommodate 60,000 plants—as fine a lot as we ever set eyes on. The varieties chiefly depended on are A. paronychoides major, aurea nana, versicolor, amœna amablis and spectablis. The entire growing here for planting out numbers a total of 150,000 plants.

The Board of Park Commissioners has taken measures for a general labeling of the popular kinds of trees in the park, both the common and botanical names to be included—a commendable move in progressive education, surely.

VIDI.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago May 19, '03	St. Louis May 19, '03	Cincinnati May 18, '03	Milwaukee May 17, '03	Detroit May 12, '03
Roses	A. BEAUTY, fancy—special	20.00 to 24.00	18.00 to 22.50	..... to 20.00	...... to 25.00	..... to 30.00
	" extra	16.00 to 20.00	12.50 to 15.00	15.00 to 17.00	15.00 to 18.00	.... to 20.00
	" No. 1	12.00 to 15.00	6.00 to 10.00	8.00 to 12.00	10.00 to 12.50	..... to 10.00
	" Culls and Ordinary	3.00 to 4.00	2.00 to 5.00	4.00 to 6.00	4.00 to 6.00	.... to 5.00
	Queen of Edgely	...... to	...... to	..... to	...... to	...... to .....
	Bride, 'Maid, fancy—special	5.00 to 6.00	...... to 4.00	..... to 6.00	...... to 6.00	..... to 6.00
	" extra	4.00 to 5.00	...... to 3.00	3.00 to 4.00	...... to 4.00	..... to 5.00
	" No. 1	4.00 to 5.00	...... to 2.00	..... to 2.00	...... to 3.00	..... to 4.00
	" No. 2	3.00 to 4.00	...... to	..... to 1.00	...... to 2.00	...... to 3.00
	Golden Gate	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00
	K. A. Victoria	3.00 to 10.00	2.00 to 4.00	...... to	4.00 to 6.00	...... to ....
	Liberty	4.00 to 20.00	2.00 to 4.00	4.00 to 8.00	4.00 to 6.00	..... to ......
	Meteor	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00	...... to	3.00 to 6.00
	Perle	4.00 to 6.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00	3.00 to 5.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	..... to 50.00
	Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	.40 to .50	.75 to 1.00	...... to .50	...... to	..... to 1.00
	STANDARD VARIETIES White	1.00 to 2.00	1.25 to 1.50	1.00 to 1.50	.... to 1.00	..... to 2.00
	Pink	1.00 to 2.00	1.25 to 1.50	1.00 to 1.50	. to 1.00	...... to 2.00
	Red	1.00 to 2.00	1.25 to 1.50	1.00 to 1.50	... to 1.00	...... to 2.00
	Yellow and Var.	1.00 to 2.00	1.25 to 1.50	...... to	..... to 1.00	.... to 2.00
	*FANCY— (*The highest grades of standard var) White	2.50 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	2.50 to 3.00
	Pink	2.00 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	2.50 to 3.00
	Red	2.50 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	2.50 to 3.00
	Yellow and Var.	2.00 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	2.50 to 3.00
	NOVELTIES	3.00 to 4.00	...... to	..... to	..... to	..... to ......
	ADIANTUM	1.00 to 1.50	...... to 1.00	...... to 1.50	..... to	1.00 to 1.50
	ASPARAGUS	20.00 to 50.00	10.00 to 30.00	40.00 to 50.00	20.00 to 40.00	10.00 to 50.00
	CALLAS	6.00 to 8.00	8.00 to 10.00	...... to 8.00	..... to 8.00	10.00 to 12.50
	DAFFODILS	..... to	...... to	...... to	...... to	..... to ......
	DAISIES	.50 to 1.00	.25 to .50	...... to .50	...... to .50	..... to ......
	GALAX LEAVES	..... to .15	..... to .15	...... to .15	...... to .20	...... to .10
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILAC	...... to	...... to	...... to	...... to 1.00	...... to ......
	LILIES	6.00 to 8.00	8.00 to 10.00	..... to 10.00	...... to 6.00	5.00 to 10.00
	LILY OF THE VALLEY	2.00 to 4.00	...... to 4.00	3.00 to 4.00	...... to 2.00	3.00 to 4.00
	MIGNONETTE—Ordinary	.... to 2.50	...... to	...... to	...... to	...... to 4.00
	" Fancy	...... to 4.00	...... to	...... to	...... to	...... to 6.00
	NARCISSUS	1.00 to 1.50	...... to	...... to	...... to	...... to ......
	PANSIES	...... to .75	...... to	..... to	...... to 1.00	...... to ......
	SMILAX	...... to 15.00	...... to 15.00	...... to 15.00	.... to 18.00	15.00 to 18.00
	STEVIA	...... to	...... to	...... to	...... to	..... to .....
	SWEET PEAS	.50 to 1.50	.25 to .75	.35 to .50	... to .50	.25 to .75
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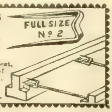

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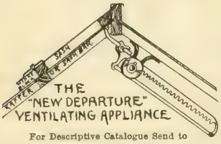

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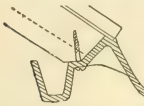

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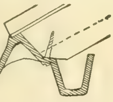

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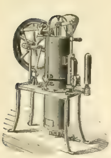

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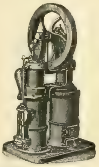

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1 lb. Tin Can ...	$0.25	25 lb. Sealed Box	$4
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Send for copy of testimonials. For refere we refer to Messrs. Bassett & Washburn, H dale, Ill.

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

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ft. x 6 ft. - - 3 rows 10-inch glass
ft. 3 in. x 6 ft. 4 " 8 "
ft. x 6 ft. - - 5 " 8 "

Clear Cypress, 1¾ inch thick,
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for Greenhouses.

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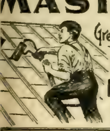

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ion the Florists' Exchange when writing.

Indianapolis, Ind.

General News.

John Elsner has bought several acres of ground from John Anding. The property is located in Auverne avenue, Woodside. He expects to put up a large range of glass this Fall.

Henry Duderstadt, formerly foreman for A. Weigand & Son and lately with the Wittbold Co., of Chicago, has taken charge of Bertermann Bros.' conservatory.

Local department stores are selling American Beauty roses at 25c. per dozen; tea roses at 15c. per dozen, and carnations at 20c. per dozen.

A prominent florists' supply house has been accepting retail orders from the undertakers of this city. It is a serious matter to sell to a florist and then accept orders from his retail customers at the same price.

The outlook is for a large business Decoration Day. Peonies are not very far advanced and ought to be just right by the 30th.

Herman Junge is contemplating several extensive improvements in his residence in the near future.

Jacob Forest, of Greenfield, Ind., transacted business here this week.

I. B.

Denver.

At a meeting last week in the office of A. J. Graham, superintendent of city parks, florists from different parts of the State formed a society to arouse interest in flower shows and plant exhibitions. The name of the association is the Colorado Society of Floriculturists. Officers were elected as follows: John Sutterathwaite, of Denver, president; F. E. Crump, Colorado Springs, vice-president; Mrs. J. M. Johnson, Boulder, treasurer; J. A. Valentine, Denver, secretary.

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CYPRESS SASH BARS
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We Furnish Everything for Building.

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IN 5 SIZES.

specially adapted for moderate ranges. We also make Sectional Boilers for large Ranges. Highest economy, reasonable price.

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PLANS and Estimates furnished on application for Heating and Ventilating Apparatus erected complete or for material only. Highest awards at World's Fair.

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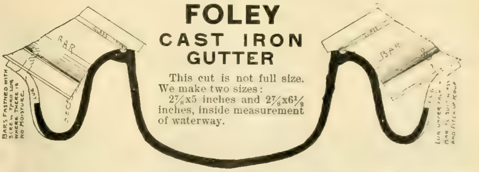

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CAST IRON
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This cut is not full size.
We make two sizes:
2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

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Bouvardias, white, scarlet and pink	2½	.50	3.00
Cannas, Queen Charlotte, Florence Vaughan, Mme. Crozy, Egandale	3	.60	4.00
Carnations, Wm. Scott and Lizzie McGowan, from soil, $15.00 per 1000;			2.00
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Dracæna Indivisia	3	.75	5.00
Golden Feather, $15.00 per 1000	2		2.00
Hydrangea, Thos. Hogg	2	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10 00
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Shasta Daisy	3	.75	5.00
Tropæolum, double dwarf.	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
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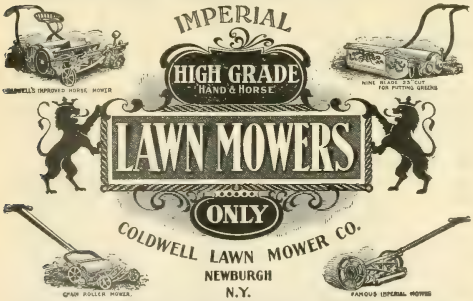

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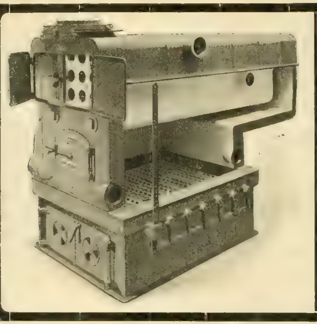

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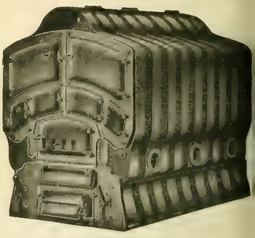

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New, extra choice, mammoth-flowered. Pennsylvania (scarlet), Kate Gray (orange),
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Buttercup, new dwarf golden yellow Canna, extra choice, $12.00 per 100.

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ALADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference	$3 00
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RACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12c each; extra strong stock, 7 in pots, 2 ft. high, 50c each, 2½ ft. high, 75c. each; 3 ft. high	Each $1 00
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2¼ in. pots, very strong stock, nice tops	4 00
NGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long	12 00
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UCHSIAS, fine assortment, named varieties, 2¼ in pots	3 00
BUTILON Savitzli, Duc de Malakoff Variegated and **Eclipse,** 2¼ in. pots.	4 00
EMON VERBENAS, 2¼ in. pots.	4 00
VY-LEAVED GERANIUMS, extra strong, 4 in. pots	8 00
ARDY PHLOX, extra fine assortment, named varieties	6 00
AMPANULA Persicifolia	8 00
UBEROSES	1 00
ADEIRA VINE	2 00
OBELIA Gracilis and **Compacta**	3 00
NGLISH DAISIES	3 00
OXGLOVE, strong plants from frames	6 00
OREOPSIS LANCEOLATA, strong plants from frames	6 00
WEET WILLIAM	6 00
VICHURAIANA or **EVERGREEN ROSES,** fine named varieties, extra strong stock, 3½ in. pots	12 00
ERN BALLS, large size, in fine shape	$3.00 per dozen

. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

ROSE PLANTS

Lar[illegible] Clean, Healthy
Own Root Stock

BRIDE	2¼ Inch	$4.00 per 100 $35.00 per 1000
BRIDESMAID	3½ Inch	$7.00 per 100 $60.00 per 1000

ASPARAGUS PLUMOSUS NANUS

Good Heavy Strings, 8 feet long, 50 cts. Each

W. H. ELLIOTT, Brighton, Mass.

TUBEROSE, THE PEARL

CHEAP TO CLOSE OUT Bulbs 4 in. and over. All will flower. 30c. per 100; $2.50 per 1000. In barrel lots of about 1400.

CANNAS STARTED IN FLATS. Ready for Planting Out: Strong and Healthy. 50 plants of one kind in a flat, $1.40 per flat; $25 00 per 1000. Assorted kinds, 50c. per doz.; $3 per 100. Varieties as follows: **Queen Charlotte, Mme. Crozy, Paul Marquant, Shenandoah, Burbank, Chas. Henderson, Alphonse Bouvier, Alsace, Florence Vaughan, Italia, Queen Charlotte, Flamingo, Austria.**

DORMANT CANNAS of above sorts, large pieces, three and more eyes, 25cts. per dozen; $1 50 per 100; $12.50 per 1000.

TRY A COMBINATION CASE OF 250 ROOTS FOR $3.50

(Worth and sold elsewhere for $6.50)

Consists of 50 each **Shenandoah**, dark foliage, large pink flower; **Chas. Henderson**, crimson; **Mme. Crozy**, scarlet, gilt edge; **Florence Vaughan**, yellow, red spots; **Paul Marquant**, salmon pink.

Rustic Hanging Baskets

Size	Each	Dozen
8 in.	$0.50	$5.00
9 "	.60	6.50
10 "	.70	8.00
11 "	.80	9.00
12 "	1.00	11.00
13 "	1.10	12.00
14 "	1.30	14.00

DAHLIAS Large Field Roots

	Per 100	Per 1000
Named varieties, Fancy, Show, Cactus and Pompon	$6.00	$50.00
Mixed, all colors	4.00	35 00
Separate colors, pink, red, yellow and white	4.50	40.00

CALADIUM ESCULENTUM

All with Center Shoots.	Per 100	Per 1000
6 to 8 inch	$1.50	$14.00
8 to 10 inch	3.00	20.00
10 to 12 inch	5.00	40.00
12 inch and over	15.00	

PALM SEEDS NEW SHIPMENT JUST TO HAND.
Pandanus Utilis Seed, $1.00 per 100; $7.50 per 1000; $35.00 per 5000
Cocos Weddellana, 1.00 " 8.00 " 35.00 "

LATANIA BORBONICA $2.00 per 1000; $9.00 per case of 5000 seeds.

PHŒNIX **Reclinata,** $3.00 per 1000; $13.00 per 5000. **Rupicola,** $7.50 per 1000; $35.00 per 5000.

ARECA LUTESCENS $7.50 per 1000; $35.00 per 5000.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET TELEPHONE 4390 SPRING **New York City**
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

PALMS We Have Many Thousands of KENTIAS, ARAUCARIAS, FICUS and BAY TREES.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock, and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch	No. of leaves	Height, ins.	Per doz.	Per 100	Per 1000
2½	3-4	8	$1 50	$12 00	$100 00
3	4-5	10-12	3 00	15 00	140 00
4	5-6	15-18	4 00	25 00	225 00
5	5-6	18-22	6 50	50 00	
5½	5-6	22-24	9 00	75 00	
			Each	Per doz.	
6	6	24-26	$1 00	$ 0 00	
6	6-7	26-28	1 25	15 00	
6	6-7	28-30	1 75	21 00	
7	6-7	30-33	2 50	25 00	
7	6-7	33-36	3 00	36 00	
7	7-8	36-40	4 00	48 00	
8	7-8	40-45	5 00	60 00	
8	7-8	45-50	6 50	75 00	
8	7-8	50-55	7 50	85 00	
9	7-9	55-60	10 00	115 00	
10	7-9	60-65	12 50	145 00	
12 tubs		65-70	15 00		

12 Made-up plants, 65 70, $17.50 each.
14 " " 7-8 feet, $25.00 to $35.00 each.

KENTIA FORSTERIANA.

In		ht	Per doz.	Per 100	Per 1000
3	[illegible]	1.	$2 00	$15 00	$140 00
4	4-5	15	4 00	25 00	225 00
5	5	15-18	6 00	50 00	
5½	5	18-20	7 50	60 00	
6	5	20 24	9 00	75 00	

Inch	No. of leaves	Height	Each	Per doz.
6	5 6	24-28	$1 00	$10 00
6	5 6	28 30	1 25	12 00
6	6	30 32	1 50	15 00
6	6 7	32 36	2 00	20 00
7	6-7	36-42	3 00	30 00
8	6-7	48-52	4 00	50 00
9	6 7	52 60	5 60	
9	6 7	60 65	7 50	
10	6 7	65 75	12 50	
12 tubs	7 8	7 8 ft	18 00	

12 " made up 7 9, $20.00 to $30 00 each.

1500 BAY TREES IN ALL SIZES. ASK FOR PRICES.

PHŒNIX CANARIENSIS, We have a very fine lot of these, fine for decorating or retail sales, from $5.00 to $20 00 each.

ARAUCARIA EXCELSA.	Each
5 in. pots, 10 12 ins. high	$0 75
5 " " 12-14 " "	1 00
6 " " 14 16 " "	1 25

ARAUCARIA EXCELSA GLAUCA.	Each
6 in pots 10 ins high	$0 [illegible]
Specimen plants	$2.00 to $[illegible]

BOSTON FERNS.

These are now in benches, good for 5-6 in. pots, $25.00 per 100.
Ready for 3 4 in. pots, $10.00 per 100.

FICUS Rubber Plants, top cuttings, $15.00 per 100; $135.00 per 1000.

FUNKIA VARIEGATA, in pots, $5.00 per 100, $40.00 per 1000.

ENGLISH IVY, 4 in. pots, $15.00 per 100.

AMPELOPSIS VEITCHII, $10.00 per 100

SPECIMEN ENGLISH IVY, 6 7 ft., $1.00 each.

BOXWOOD, in Standards, Pyramids, Globe and Clipped forms, all sizes. Ask for Prices.

JAPAN MAPLES, 2yrs old, pot-grown, grafted, 15-20 in., full grown, good stock to plant out, per doz., $5.00; 2-3 ft., per doz., $9.00.

GARDENIA VEITCHII, 6 in. pots, per doz. $6.00, 7 in. pots, per doz, $12.00.

ROSES, Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

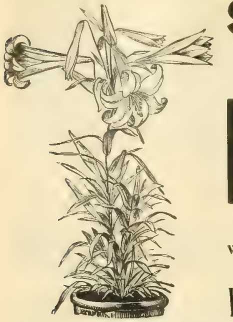
HARDY JAPAN LILIES.

	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in	5 50	45 00
RUBRUM or ROSEUM, 9 11 in	$7 00	$65 00
ALBUM, 8-9 in.	5 50	50 00
" 9-11 in.	7 00	60 00

We are pleased at all times to receive visitors at our Nurseries We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, - Rutherford, N. J.

Mention the Florists' Exchange when writing.



St. Davids Island HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

Mention the Florists' Exchange when writing.

RUPP XXX SEEDS.

Primrose Seed, **Improved Chinese** Finest grown, large flowering fringed, single and double, fifteen varieties mixed, 500 seeds, $1.00; half pkt., 50 cts. Have also the varieties separate.

PANSY FINEST GIANTS

The best large flowering varieties, critically selected. Mixed, 5000 seeds, $1.00; half pkt., 50 cts.; highly praised by our many florist customers.

DAISY. Finest Double Giant, pure white and rose, mixed or separate, 1000 seeds, 25c.

CALCEOLARIA. Finest dwarf large flowering tigered and spotted, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. Finest large flowering to be had. 1000 seeds, 50c.

CINERARIA. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

Cash. A pkt. of the new ever-blooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

This cut is reproduced from a photo of one of my fields taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

Mention the Florists' Exchange when writing

CYCAS STEMS

SIZES
2 to 3 lbs.
4 to 5 lbs.
6 to 7 lbs.

Price per 10 lbs., $.
" " 50 lbs.,
" " 100 lbs.,
" " 1000 lbs., 6.

STUMPP & WALTER CO., 50 BARCLAY S
NEW YORK.

BRANCH STORE, 404 EAST 34TH ST.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

Mention the Florists' Exchange when writing.

SEASONABLE SEEDS

	100	1000
Asparagus Sprengeri	.20	$1.00
" **decumbens** (novelty)	.85	7.50
Phœnix reclinata (true)	.40	3 00
" **canariensis** (true)	.30	2.50
" **rupicola**	.75	7.00
Areca Lutescens	.60	5.50
Pandanus utilis	.65	6 00
Primula sinensis fimb., in pure white, rose, crimson, blue, white with yellow eye	.25	1.75
Primula mixed	.20	1.50

Cineraria hybrida grandi., and maxima or dwarf. Pkt., 25 cts : 5 pkts., $1.00.

Address,

H. H. BERGER & CO. 47 Barclay St., New York.

Mention the Florists' Exchange when writing.

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

CALLA BULB

August 1st delivery.

Extra choice large bulbs, $5.00 per 100. Exp paid by us at above figures.

CALIFORNIA CARNATION C

P. O. Box 103. **LOOMIS, CAL.**

Mention the Florists' Exchange when writ

LILIUM HARRI and LONGIFLORU

Quality second to none. are booking orders now August delivery. Send prices, stating number and required.

W. W. RAWSON & CO., Seedsmen, **Boston, M**

12 and 13 Faneuil Hall Square.

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20,000 DAHLIA

Strong whole field-grown roots, in 50 best s $4.00 per 100; $36.00 per 1000; send for list. M whole roots, in separate colors, white, pink, red yellow, $3.50 per 100; $30 00 per 1000; fine mi all colors. These mixtures contain fine name rieties, all double, show, cactus and pompon, per 100; $25.00 per 1000. Satisfaction guarante

A. B. DAVIS & SO

Purcellville, Va.

Mention the Florists' Exchange when writ

Not the Cheape but the Best

Persons wanting the genuine old-fa ioned **Harrisii** or **Bermuda Easter L** (unmixed with Longiflorums or Hybri that can be forced by Christmas or bef if required, can obtain thoroughly ripe Bulbs, August shipment. Write at o Quantity limited.

R. H. JAMES,

Columbia and Longbird Farm

ST. GEORGES, BERMUDA.

Cable Address: Florist, Bermuda.

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GLADIOLI

Our Motto: QUALITY FIR We have, however, a su cient quantity to supply demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone **9x.** **BERLIN, N.**

United States Grower and Representative of Groff's Hybrids.

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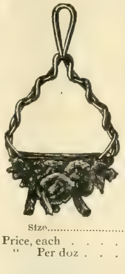

REED & KELLE

122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stump Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES**

NOVELTIES CONSTANTLY ON HAND.

Mention the Florists' Exchange when writing.

CLEARANCE SALE

No. 1 **TUBEROSES** No. 2

c per 100, Dwarf Excelsior Double Pearl 35c per 100
.50 per 1000. UNUSUAL VALUE $2.50 per 1000
o 6 inches and over 3 to 4 inches and over

lephant Ear Bulbs 5-7 inches, $1.25 per 100; $10.00 per 1000
8-10 " 2.25 " 20.00 "

HNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, Pa.

Mention the Florists' Exchange when writing.

HIGH GRADE
LORISTS' FLOWER SEEDS
OUR SPECIALTY
atalogue upon application.
R. & J. FARQUHAR & CO.
and 7 South Market St., Boston, Mass.

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CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS
Special Prices on Application.
WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

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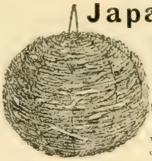

Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St

Mention the Florists' Exchange when writing.

BAYTREES

Standard, extra fine, 2 ft. diam., $10.00 per pair.
Pyramid, " " 5 " high, 10.00 per pair.

ATANIA BORBONICA,	extra heavy, 5 ft. high	$3 00 each.
" "	fine large, 3 " "	1.25 "
HŒNIX CANARIENSIS,	extra heavy, 5 " "	3.00 "
" "	fine large, 3 " "	1.75 "
ENTIA FORSTERIANA,	extra fine, 5½-6 ft. high	2.75 "
" "	fine large, 5 ft. high	2.00 "

YCAS REVOLUTA STEMS, from ½ lb. to 6 lbs., per 100 lbs., $7.50.
ERNBALLS, dormant, 7 x 9, $22.50.

. W. O. SCHMITZ, Prince Bay, N.Y.

Mention the Florists' Exchange when writing.

TUBEROSE BULBS

Dwarf Excelsior Pearl

Sound, Dry, Hand Picked

Special Offer f.o.b. New York. 5% discount for cash with order.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers.

	Per 100	Per 1000
Medium Size, 3 to 4-in.	$0 50	$3 00
First Size, 4 to 6-in.	90	8 00
Mammoth Bulbs, 6 to 8-in.	1 50	10 00

CALADIUM ESCULENTUM, with live center shoots.

	Per 100
5 to 7-in.	$2 00
7 to 9-in.	3 00
9 to 12 in.	6 00
12-in. and up	13 00

FORCING BULBS

Our arrangement for high grade bulbs of French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all Dutch Hyacinths, Tulips, Narcissus and Spiraea are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory, will be made good at once.

Write for prices before closing any forcing stock order.

NEW YORK: 4 Barclay St. **VAUGHAN'S SEED STORE** CHICAGO: 84-86 Randolph St.

Mention the Florists' Exchange when writing.

GERANIUMS AND CANNAS

3 and 4 inch pots, very fine, $6.00 per 100.
Geraniums, extra selected, $8.00 per 100. For varieties, see last issue.
Also other stock quoted.

ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO SOW
MICHELL'S CELEBRATED

PRIMULA SEED

Kermesina Splendens, fringed red, ½ tr. pkt., 60c.; tr. pkt., $1.00.
Alba Magnifica, fringed white, ½ tr. pkt. 60c.; tr. pkt., $1.00.
Holborn Blue, fringed blue, ½ tr. pkt., 60c., tr. pkt., $1.00.
Michell's Mixed "Prize Strains," ½ tr. pkt., 60c.; tr. pkt., $1.00.
Fern Leaf, mixed, ½ tr. pkt., 60c.; tr. pkt., $1.00.
Forbesi, "Baby Primrose," tr. pkt., 30c.
Obconica Grandiflora, white, 1-16 oz., $1.00; tr. pkt., 30c. Pink, Red, tr. pkt., 40c. Finest Mixed, tr. pkt., 30c.

CINERARIA

MICHELL'S Prize Dwarf, ½ tr. pkt., 60c.; tr. pkt., $1.00. **Prize Tall,** ½ tr. pkt., 60c.; tr. pkt., $1.00.
James' Giant Strain, mixed, ½ tr. pkt., 60c.; tr. pkt., $1.00.

HENRY F. MICHELL, Seed Growers and Importers
1018 Market Street, PHILADELPHIA

Mention the Florists' Exchange when writing.

AMERICAN GROWN
BULBS
Narcissus, Daffodils, Etc.
SEND FOR LIST AND PRICES.
POAT BROS. ETTRICK, VA.

Mention the Florists' Exchange when writing.

Primrose

CHINESE FRINGED

	Trade pkt.
Kermesina Splendens	50 cts.
White, Yellow Eye	50 cts.
Bright Pink	50 cts.
Brilliant Red	50 cts.
Rosy Morn	50 cts.
Blue	50 cts.
Flesh Color	50 cts.
Mixture of Above	50 cts.
Fern Leaved Mixed	50 cts.
Obconica Grandiflora, white	50 cts.
" " rosy chamoise	50 cts.
" " bright rose	50 cts.
" " fringed mixed.	50 cts.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

JUST ARRIVED

Cycas Revoluta Stems

Assorted sizes, running from 3 to 20 pounds each.

10 pounds and over	12c.	per lb.
25 " " "	10c.	"
50 " " "	9c.	"
100 " " "	8c.	"

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP
SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

SAN FRANCISCO.—Seed growers are not free from alarm because of rain shortage. The lack of rain was lamented by this important California industry three weeks ago, and no moisture has yet come. Mr. Cox, of the Cox Seed Company, has left for an inspection drive over his big seed plantations in Santa Clara, San Joaquin and Sacramento counties, a total of area of upward of 2,400 acres. ALVIN.

ST. PAUL.—L. L. May and J. E. Northrup were in Omaha last week in attendance at the Western Seedsmen's League. Mr. May extended his trip to Shenandoah, Iowa, and reports that section of the country under water, owing to excessive rains the past week.

A. W. McT. Martin, of L. L. May & Co., accompanied by Mrs. Martin, sails for Scotland May 30, to be gone three months.

The demand for seed corn is abating somewhat now, though planting has not yet commenced in some sections on account of wet grounds. This it is thought will create a demand for millet. VERITAS.

Condition of Seed Crop Plants.

The outlook in Connecticut for early seed crops, such as turnip, ruta baga, cabbage, beet, parsnip, and kale is exceedingly discouraging. No rain since April 15 has rendered the ground so dry and hard that these early plants are being completely destroyed. On turnip and ruta baga the crop is already beyond repair, and one-fourth crop is a liberal estimate of a yield on these. The same is true of kale. Of the other varieties, if we should have rain, of which there seems to be no immediate prospect, we might still have half a crop, but many of the stalks are entirely dead, especially where the crops are on anything but the richest and most fertile soil.

Onion seed has not suffered so severely up to the present time, as it seems to stand the drouth better.

Sweet corn is now being planted very rapidly. That which was planted early is already up and is a fair stand, but the later planting, and there is a great deal more to be planted, will not germinate until we have rain. This is

PANSY, MME. PERRET

the Gold Medal pansy. Trimardeau, giant yellow and fine mixed, Mlle. Cecile Davy and Marguerite, Preston, Beaconsfield, Falaise. Special mixture for florists. See the Exchange, page 581, last issue. Send for testimonials and prices.

Special. For short time only. Any one ordering a copy of Ward's "The American Carnation" at $3.50 through me, will receive ¼ oz. of Mme. Perret Pansy Seed, value $1.25, free.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS

For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

BOXWOOD FINE BUSHY PLANTS

4 feet	$3 50 each
3½ feet	2 00 "
3 feet	1 50 "
2 feet	1 00 "
1½ feet	50 "

RHODODENDRONS
Bushy, Well Budded Plants.

15 to 18 inches	$5.00 per dozen
18 to 24 inches	7.00 "
Ponticum, 18 inches	3.50 "

Fine for Decoration Day.

10,000 PRIVET 2 year, 18 to 24 in. $15 00 per 1000.

SPECIMEN CONIFERS

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

especially unfortunate at this time, because of the fact that dealers here have sold so close owing to the high prices of corn, that in many cases they have not sufficient seed saved for second planting. The result will be that very many fields will be a poor stand for the whole year.

Seed corn, which was so high in February and was much easier during March and April, has taken another spurt, and telegrams for corn have been coming to all dealers in this section thick and fast during the past three weeks, and February prices are again in vogue. Anything in the way of a good strong vitality corn at present meets a prompt sale at $10 per bushel.

A large delegation of the local seedsmen will attend the American Seed Trade Association meeting at Atlantic City in June.

W. S. Woodruff, of the S. D. Woodruff & Sons' Seed Concern at Orange, Conn., is at present, with his wife, on the Pacific Coast, where he went on a trip combining business with pleasure. He will not return East until about July 1.

MILFORD, CONN.—Albertus N. Clark writes: "The seed crop plants have been seriously damaged by the long-continued dry spell. The new crop of turnips here will not produce over 50 per cent. of expectation at planting time; in fact, is going back every day, many pieces being a total failure. All other crops are being injured in like manner. The prospects are decidedly unfavorable."

BALTIMORE.—J. Bolgiano & Son write: The various crops in the surrounding country were in a very desperate way prior to the rain we had on Saturday night and Sunday afternoon. We experienced almost without interruption a drouth of nearly six weeks. The rain came too late to save the strawberry crop, which was only about 25 per cent. The pea crop will be about 60 per cent., rain coming in time to very materially help it. Peas are bringing splendid prices, this morning's (May 26) market being from $1.00 to $1.10 per bushel, which is more than double the prices they were bringing this time last year. All vegetation is very backward and market gardeners have little or nothing to bring to their stalls. Even radishes are selling at a big premium, and the prospects for the cabbage crop are poorer than has been known in years. The spinach crop was a failure and prices ruled high. The farmers and truckers are in a discouraged state on account of the severe conditions they have had to meet here this Spring—first, too much rain, then such a continued drouth—that many of them are speaking of giving up the work.

PHILADELPHIA.—Robert Buist Co. say, if all the seed growing sections are suffering from drouth as much as we are the populace will have to depend upon canned vegetables, and largely those carried over from the previous year at that. Our gardens are so completely dried up that it is about necessary to use a pick to loosen the soil. Our turnip seed acreage covers over two hundred and ninety acres and in an average season this should produce from five to six hundred pounds per acre; this year, it will not average one hundred pounds. Onion sets, seed potatoes and tomatoes are likewise very seriously affected; in fact, all seed crops maturing in June, July, August and even later we believe are beyond recovery.

W. Atlee Burpee & Co. say: "Not for years have we known such a dry time as we are experiencing at present. The ground is very dry, and it is utterly impossible to do any late Spring plowing. Some seeds sown within the past two or three weeks are simply lying in a dormant condition in what you might term dust. The farmers are suffering very much for want of rain, and unless it comes soon their corn crop will be very late indeed. The hay crop is practically ruined.

"We waited until the past week to commence setting out tomato plants, and as an experiment tried a few thousand late Saturday afternoon, using a Tiger Transplanter for setting. These plants stood up so well on Sunday that we now have two of the transplanters working and expect to get out the majority of our tomato plants this week. The ground, though, is very dry, and as the potato bugs are numerous it will require careful watching to keep the plants alive after once being set out.

"We have had a very good stand of sweet peas, but the plants are now at a standstill owing to the lack of rain. Garden peas that were planted early commenced to blossom and owing to the drought are setting very few pods."

Other reports will appear next week.

European Notes.

The drought spell of last month has given way to a spell of floods, and practically all over Europe the lower lands have been partially under water for the last two weeks. A somewhat better state of affairs is beginning to rule now, and warm, sunshiny weather has been experienced for a few days and is promised to continue. There is, therefore, much room for hope, and while things are very backward there is a general appearance of healthiness and freedom from insects of all sorts, and warmer weather, with the huge supply of moisture in the ground, should do wonders for the crops.

Several large acreages of swedes and turnips have been ploughed up, owing to the weakness of the plants, which were very small at time of planting and unable to cope with the several difficulties of the Spring weather; and in every district where these crops are grown there is a smaller acreage than usual. Beets are still reported as rather uncertain, although they have now had abundant rain. They will be late and none too strong, which, with a reduced acreage, will leave us with smaller crops than had been anticipated.

EUROPEAN SEEDS.

It is reported that the French pansy crop is expected to be short, especially the finer strains, owing to the cold and damp weather.

Joseph Sternecker, Erfurt, is dead at the age of 82. The deceased was head cultivator to the well-known firm of Ernest Benary, which he joined in 1864. He was widely known both in his own country and abroad on account of his great knowledge and experience in all horticultural matters, and was equally respected by those who knew him for his uprightness and probity of character.

CATALOGUE RECEIVED.

WOOD BROS., FISHKILL, N. Y.—Trade List of Roses, Cannas, Chrysanthemums and other Plants.

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10,000 Coreopsis clumps
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Delphinium Formosum, strong, 1 year
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Santolina, strong, from flats
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Achillea, The Pearl, divisions
Chrysanthemum Maximum, Triumph strong divisions
Cash with order, please.
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Sweet Potato Plan
LARGE STOCK
STOUT HEALTHY PLANTS
Big Stem Jersey, $1.50 per 1000.
Cedarville and Yellow Nansem $1.25 per 1000.
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TOMATOES Acme, L. Beauty, Stone, agon, Dwarf Cham Atlantic Prize and other vars., 15c. per $1.25 per 1000. Earliana and Ponderosa per 100; $2.00 per 1000.
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Nursery Department

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. Lake, Shenandoah, Ia., Vice-President,
ge C. Seager, Rochester, N. Y., Secretary;
. Yates, Rochester, N. Y., Treasurer.

e have received from Louis Boeh- & Co., Yokohama, Japan, a cata- ue showing the Japanese conifers, onyms, Japanese nomenclature and alities where found.

ANCHESTER, CONN.—A barn be- ging to the Burr Nursery Company was destroyed by fire Thursday, May The loss will be $1,000, which is partly ered by insurance. The origin of the is unknown.

EWANEE, ILL.—W. M. Wirt, pro- tor of the Alpha Nursery of Alpha, ry county, which does a large busi- s in Western Illinois, blew off part his head with a shotgun, while de- ndent over financial matters, on

Seasonable Suggestions.

is possible to transplant shrubs n when in flower, but they must be down almost to the ground, mped in hard and heavily watered.

hen making sales look out well stock plants, whether it concerns oor plants or outside stock.

o over the stock of fruit trees sub- to borer attacks, and be satisfied e are in the trees. June is the nth in which they commence activ- usually. They may start earlier year.

ed birch ripens very soon after elm soft maple do. Look after it, and it at once.

ines in pots tangle very quickly this, the height of their growing son. They need to be gone over ry two weeks while growing fast; erwise disentangling them while tomers wait is apt to irritate all cerned.

n the face of the terrible drouth pre- ling at this writing, the harrowing l constant stirring of the soil is a nderful help. Persistency will save ny a crop.

each stones in beds should be outing now. Lift them carefully as n as the tops are above ground, cing the roots in a vessel of thick ddy water, and transplant them to vs, where they may be budded in the ll.

hen trees have been grafted the cks will always send out a lot of ots, which, if unchecked, will over- elm the cion. To prevent this, do strip off the shoots, but pinch them leaving but a leaf or two to each. is gives the cions a chance, while leaves left on permit of the proper ctions of the stock continuing.

he sweet-scented calycanthus, C. idus, rarely seeds, hence its propa- tion is by layers or division of the nts. It is so scarce in the trade t those who have suitable plants uld layer them this season.

The Situation for the Laburnum.

any inquiries have come to me as to proper situation in which to plant laburnum. Not a few persons think s subject cannot be grown in this ntry at all, but this is a mistake. ough I have never seen one looking happy as those observed in Europe, y do grow and thrive fairly here. only reason they do not do equally well here as in Europe is because of heat and the dryness of the air. a situation can be afforded them ere the ground is damp, it gives lness at the root as well as moist- e. If, besides, there would be shade t by a building or a tree—but not der a tree—it would further provide at is required. It is a mistake to nk the laburnum not hardy. There fair specimens met with here and ere, standing well out in open situa- ns, and these flower every season. rserymen ship away large lots of em annually, showing a wide distri- tion; and no doubt in situations near lakes many a nice specimen could found.

A Perennial for a Shady Place.

It must not be entirely in the shade; but a position shaded for the better part of the day, if open, suits the old perennial, Lamium maculatum, very well. Underneath trees, as the term is generally understood, is not the place for it. But if the branches of the tree are well above ground, so that light and air can freely enter, it is all right. Besides that it is dwarf and spreading, its leaves, with their central white stripe, are attractive; and then there are the heads of purple flowers, from Spring until September, or even later, in damp Autumns.

A golden-foliaged sort, not often met, is a beautiful rock plant.

Keeping Seed Beds Damp.

The drouth in Pennsylvania, existing at this writing, May 20, is uncommonly severe, and all small stock in nurseries is suffering greatly. The Spring opened quite wet, and rains were so frequent that planting operations could be carried out only at great disadvantage. Because of the excess of water then all large stock is looking well, as at a depth of a foot or so there is a lot of water in the soil. But small stock, the roots of which are but a few inches underground, is in a bad way, and as to Spring-grown seeds of evergreens and deciduous stock there will be but few of them appear above ground as plants. Wherever it can be done, it will pay well to water such seed beds, and, better still, to cover them in some way with shading. Forest leaves form the best kind of shading, and can be kept in place in many ways, being easily taken off when the seedlings appear.

Many seeds, especially those of a hard nature, such as of the cercis, robinia, chionanthus, cornus, etc., may be left undisturbed if they do not grow. Very many of them will sprout the second season.

At this season of the year, if a good watering, keeping the soil damp for a week, does not cause the seeds to grow, it is pretty good evidence that nothing will bring them this season, except it be the hickories, which are always very late in sprouting.

Japanese Maples.

Though there are many other maples from Japan besides those of beautiful foliage, the latter kinds are meant when the term Japanese maples is used. The common blood-leaved one—polymorphum atropurpureum—is preferred, although the dissectum atropurpureum is close to it, indeed, equal, in the estimation of many. The blood-red color is as pronounced in the latter as in the former, but as the leaves are so finely dissected there is less surface of red than those of the atropurpureum displays. Both of these kinds exist in green form as well as colored, and the green ones must be had when making a collection. There are many other sorts with pretty foliage, some of more attraction in the Fall than in Spring; but the two purple-leaved ones, or blood-leaved, rather, are the best for Spring. In the class with many other trees and shrubs of the same character, just as the foliage is fairly perfected, is the best time to see them. Later on, the blood-red color fades, though some is retained all the season through.

Although the color is best when the plants are in the full sun, the foliage is more lasting if in a position where the afternoon sun does not strike them with full force.

The increasing of this class of maple is brought about by grafting, layering and inarching, using the common green one as a stock.

As pot plants, nurserymen find a good sale for these maples. The sight of some large specimen on some one's lawn in full display sends other people on an errand to buy one. It is too late then to dig it, but the one in a pot, or tub, is the very thing wanted, and finds sale quickly. They are capital cemetery plants, and for Memorial Day sales would find ready purchasers.

Double-Flowered Horse Chestnut.

It is true that when in hot soil and situation the leaves of horse chestnuts suffer in Summer, but in spite of this the luxuriance of their Spring foliage and their noble panicles of flowers are full compensation for this defect. And then in these days of the application of fungicides it is apparently within one's power to prevent the disfigurement of the foliage in Summer, which happens to almost all of these trees in the situation referred to. As proof that the trouble with the foliage lies with unfavorable locations, look at the vigorous, healthy foliage exhibited on trees on lawns, where the sod keeps the soil cool and breezes have a chance to circulate!

These remarks were not anticipated when commencing these notes, but they lead up to a commendation of the double-flowered horse chestnut, which the sight of some fine trees of them always seems to call for from me. In one way, they are perhaps no more charming than the single flowered ones, but in another they certainly excel, which is in this that the flowers are more lasting. This feature will be found common to all double flowers as well as to the horse chestnut. Another reason influencing some is that double-flowered ones produce no seeds, so there would be no shells and nuts to throw away.

For some years there was supposed to be a double red variety as well as the double white, but this belief has proved erroneous; at least there seems no such a one in American collections. The only red is the single one, rubicunda. There is also a single red buckeye chestnut, but it is little more than a shrub. It is Pavia rubra.

Single horse chestnuts and pavias are propagated from seeds rapidly enough, but for double forms and for rubicunda, which rarely seeds, budding is generally adopted, using for stock thrifty young trees of the common European one, hippocastanum.

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Grand Mogul	2 50	20 00
Gustav Piganeau	2 50	20 00
Heinrich Schultheis	2 50	20 00
Hellen Keller	2 50	20 00
Hermosa	2 00	15 00
Jean Liabaud	3 00	25 00
Jersey Beauty	2 50	20 00
John Hopper	2 50	20 00
Jules Margottin	2 50	20 00
La France	2 50	20 00
Louis Van Houtte	2 50	20 00
Magna Charta	2 50	20 00
Manda's Triumph	2 50	20 00
Marchioness of Lorne	2 50	20 00
" " Downshire	2 50	20 00
" " Dufferin	2 50	20 00
Margaret Dickson	2 50	20 00
Marshall P. Wilder	2 50	20 00
Meg Merrilies	2 50	20 00
Mme. Gabriel Luizet	2 50	20 00
" Victor Verdier	2 50	20 00
Pink Roamer	2 50	20 00
Prairie Queen	2 50	20 00
Pride of Waltham	2 50	20 00
Prince Camille de Rohan	2 50	20 00
Psyche	2 50	20 00
Queen of Queens	2 50	20 00
Rodocanachi	2 50	20 00
Rosieriste Jacobs	2 50	20 00
Rugosa	2 50	20 00

	Per doz.	Per
Rugosa Alba	2 50	2
Soleil D'Or	3 50	2
Soupert Climbing	2 50	2
Star of Waltham	2 50	2
Tom Wood	2 50	2
White Provence	2 50	2
Wichuraiana	2 00	1
Yellow Rambler	2 50	2

HENRY A. DREER, 714 CHESTNUT ST Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
Kaiserin	3.50	30.00
Bridesmaid	3.50	30.00
Bride	$3.50	$30.00
Golden Gate	2.50	20.00
Perle	3.50	30.00
Sunrise	7.00	65.00

Meteor, 3½ in. pot plants, $5.00 per 100; $45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE.
CHICAGO, ILL.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.;
Sunrise, 2½ in., 3 in; American Beauty, 2½ in., 3 in.;
Liberty, 2½ in., 3 in. NO SAMPLES SENT.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA

Mention the Florists' Exchange when writing.

YOUNG ROSE PLANTS

BRIDE and BRIDESMAID On Own Roots

From 2¼, 3 and 4-in. pots, at $25.00, $35.00 and $45.00 a 1000.

NEWTONVILLE AVE. GREENHOUSES,
JOHN PRITCHARD, Superintendent **NEWTONVILLE, Mass**

GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

New York.

e Week's News.

This city has been celebrating its 0th anniversary this week, and all blic buildings have been gaily dec- ated with flags and bunting. Several lumns were erected in front of the ty Hall building, and a few yards of ergreen roping were wound around em, that being, so far as our observa- ns went, the only bit of florists' aterial employed. It is a pity that r City Fathers could not be per- aded to use more green material at ch celebrations. There is a great nount of money devoted to such pur- ses now and again, and it seems that e florists should be able to get on e inside when the contracts are given it, and it would be a benefit to both e trade and the decorations.

Retail business is rather quiet at esent. Memorial Day does not affect e city stores nearly so much as it es the stores located in the outlying stricts. The principal flowers used r window display are peonies, the ipply of which is quite ample, the ottage Gardens, Queens, N. Y., being e greatest contributors of this flower the market.

Members of the New York Florists' lub will confer a great favor on the ting committee if they will help ong the committee's work by sending their five dollars for the ticket, one which has already been mailed to ch member. It is absolutely neces- ary that the committee have some nds on hand, and if members who in- nd journeying to Witzel's Point rove on July 1 will only forward the sh at the earliest opportunity to Mr. . H. Traendly, 38 West 28th street, it ill help to facilitate matters a great al. That the outing will be a grand ccess is a foregone conclusion. The hedule of sports is larger than ever efore, and there will be plenty of thletic events to please everybody. he program is already in the hands f the printers, and will probably be ady for distribution at the next club eeting, Monday evening, June 8.

Henri Beaulieu, Woodhaven, N. Y., urned three fingers of his left hand uite severely a few days ago while andling kerosene oil. He is trying to iscover why the other two fingers ere not also burned.

Owing to Memorial Day occurring his week, only one sale was held in Villiam Elliott & Sons' auction rooms, hat being held on Tuesday. Roses, eraniums, cannas, trained larch trees, nd hydrangeas were offered in quan- ities, as were also all kinds almost of oft-wooded bedding plants. There was large attendance at the sale and ood prices were realized.

On Tuesday next, June 6, occurs the ale of the specimen palms, etc., from he establishment of David Clarke's ons. This stock is reputed to be in ery fine condition, and should bring ut a crowd of bidders.

Recent contracts for greenhouses to e erected by the Pierson-Sefton Co. nclude houses for Richter & Barton, r. Ward, H. McKay Twombly and J. oremus, all of Madison, N. J.

J. Fotheringham, the well-known raveling salesman for F. R. Pierson o., will, we are informed, join the atrimonial ranks sometime during he month of June.

The Pierson fern has no doubt chieved a greater success as a horti- ultural novelty than has been accord- d to any other fern or decorative lant. The demand for this fern has xceeded all expectations, but, with the mple resources at command, all or- ers are now filled to date, and there re several houses of 2¼-inch pot lants that are ready for immediate elivery. As is well known, Mr. Pier- on devoted the whole of his Tarrytown ange of glass to the cultivation of Nephrolepis Piersoni, but the entire upply was consumed by the advance rders that came pouring in for early Spring delivery. A number of the tock plants are being grown into pecimens, which, by the time Autumn rrives, will be grand subjects for large etail work. There is little room for oubt but that it will pay to grow this ern for cut purposes. The large ronds, when fully developed, make a eautiful green, very suitable for lay- ng on the cloth for a dinner table dec- ration, and a green that will not wilt efore the dinner is over.

Holland Bulb Prospects.

Many growers who were caught napping by the November frosts lost a large portion of their hyacinths, but those which escaped are doing well, and a good crop in many cases is hoped for. There will be an advance in "first size" hyacinths, and other sizes will rule slightly higher than usual. Yellow, white, and pink tulips will be cheap and plentiful, but scarlet, red, and striped are rather scarce, and will rule high. On the whole, tulips are better than was expected, and samples just lifted appear satisfactory. They will be ready for lifting a fortnight sooner than last year, as owing to the mild weather in March they started growing very early. Crocus will be a trifle dearer, polyanthus narcissus very much dearer, and English iris very scarce indeed. Horticultural Advertiser, England.

E. C. BROWN & CO.
Rochester, N.Y.

THE AUTO-SPRAY

best for all hand work. No continuous pumping. Compressed air runs it to spray ¼ acre of vines. Boy can carry and operate. All working and contact parts of brass. Long line of high grade sprayers for every purpose shown in Catalog P. It is FREE. Write at once if you want the agency.

E. C. BROWN & CO., ROCHESTER, N. Y.

Mention the Florists' Exchange when writing

15 000 VINCA VAR. Good strong plants from cold frames. 2 in. $1 50 per 100; $13.00 per 1000. Cash with order.

P. J. AGNEW, Johnson Ave., Springfield, Ohio.

Mention the Florists' Exchange when writing.

ASTERS in pots $1.00 per 100; Comet, Truffaut, Victoria, and Semples; mixed colors.

ZINNIAS in pots, $1.00 per 100; white, yellow, scarlet, crimson and rose.

J. B. SHURTLEFF & SON,

Cushman Avenue, REVERE, MASS.

Mention the Florists' Exchange when writing.

CYCLAMEN Best strain, once transplanted.

$2.00 per 100; $17.50 per 1000.

C. WINTERICH, DEFIANCE, Ohio

Mention the Florists' Exchange when writing.

PANSIES. From my best strain. Fine plants 50c. per 100; $3.00 per 1000.

DAISIES, (Bellis) in bloom, large, $1.00 per 100.

ALYSSUM, Little Gem, 30c per 100; $2.50 per 1000.

PHLOX, Compacta and Star, 40c. per 100. $3.00 per 1000.

VERBENAS, new mammoth, 40c. per 100; $3.00 per 1000.

FUCHSIAS, five kinds, 2½ in., large, $2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Double Fringed

PETUNIAS

A No. 1 collection of money makers, strong plants from 2 in. pots, $2.00 per 100. **Verbenas,** Mammoth Fancy Strain, 2 in., $1.50 per 100. Also **Geraniums, Chrysanthemums, Heliotrope, Asters, Selaginellas, etc.**

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

LOOK! LOOK! LOOK!

15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.

Cash with order.

W. T. HILLBORN, "Florist,"

Newtown, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

ROSES

2000 Perle, 2000 Kaiserin, 2000 La France, 2000 Pink and White Cochet, 1500 Hermosa, 3 in. pots $4.00 per 100.

5000 Caroline Soupert, 2¼ in. pots, $3.00 per 100.

10,000 Chrysanthemums

2¼ in. pots, $2.50 per 100; $20.00 per 1000.

White and yellow Bonnaffon, Ivory, Appleton, Jerome Jones, Maud Dean, Eaton, Golden Wedding, Pacific, all in prime condition.

J. D. BRENNEMAN, Box 24, Harrisburg, Pa.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

Red and Yellow, out of 2 inch pots, $2 50 per 100; $22 50 per 1000. Cash with order or certified check.

H. STAHLHUT, Brooklyn, N. Y.

New Lots Road and Shepherd Ave.

Mention the Florists' Exchange when writing.

Roemer's Superb Prize Pansies

The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower,

QUEDLINBURG, GERMANY.

Mention the Florists' Exchange when writing.

ASTERS

SEMPLE'S in separate colors, white, roses shell pink, purple and lavender. $2.50 per 1000. Write for prices on large lots.

Queen of the Market, 50c. per 100.

CASH WITH ORDER.

A. & G. ROSBACH, Pemberton, N J.

Mention the Florists' Exchange when writing.

50,000 ASTERS

Semple's, Truffaut, Victoria and Queen of the Market, four colors of each, separate, 250 by mail, $1.00; per 1000, $3.00.

	Per 100
PETUNIAS, Ruffled Giants and Grandiflora, single, 3 in	$3 00
LOBELIA, C.P., Speciosa and Compacta, 2 in.	2 00
VINCA MINOR, 3 colors, 2 in...	2 00
AGERATUM, Stella Gurney, Perfection and Pauline, 2 in	2 00
COSMOS, Giant Flowering, 2 in.	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing

Grand Rapids VIOLET STOCK

Imperial, M. Louise and Swanley White, R. C. and divisions, $10.00 per 1000.

Lady Campbell, $7.50 per 1000; pot plants, $25.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

VIOLETS

Now is a good time to get them out, and why not grow the best? La France leads them all, will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: **La France,** $1.00 per 100; $8.00 per 1000. **California and L. H. Campbell,** 75c. per 100; $5.00 per 1000. Add 15c. per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa. Cash with order, please.

P. M. DE WITT, Bridgewater, Bucks Co. Pa.

Mention the Florists' Exchange when writing.

Properly Grown—Properly Packed

Ready July 1st.

SMILAX, $1.50 per 100; $15 00 per 1000.

ASPARAGUS SPRENGERI, $3.00 per 100; $25.00 per 1000.

ASPARAGUS PLUMOSUS, $3.50 to $10.00 per 100.

Samples for ten cents in stamps. I have a fine lot of this stock and solicit your trade.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CHOICE COLEUS in flats, ready for planting out, $1.00 per 100, $[illegible] per 1000. Six choice varieties, the [illegible] Verschaffeltii, Golden Bedder and [illegible]. Cash with order. **ATLANTIC COAST NURSERIES,** office 606 Fourth Ave., Asbury Park, N. J.

Mention the Florists' Exchange when writing.

100,000 PANSIES (The Jennings Strain)

Fine stock, all transplanted.

(Plenty of PANSIES in bloom now.)

First size, cold frame plants in bud and bloom, April 1, $1.50 per 100. 2d size, not in bloom, good strong plants, $1.00 per 100, by express. 3d size, $4.00 per 1000, by express, 75 cts. per 100, by mail. The above are finest mixed in great variety of choice colors.

PANSY SEED, $1.00 per pkt. of 3,000 seeds.

Cash with order

E. B. JENNINGS, Southport, Conn.

Lock box 254. Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

200,000 PANSIES **Florists International,** the finest strain in the United States. Strong plants in bloom, $15.00 per 1000. Smaller transplanted, $10.00 per 1000. Also **Giant Pansies** in bloom; **Forget-me-nots, Sweet William Daisies,** Longfellow and Snowball, in bloom. Dianthus plumosus, Dianthus Heddewigii, Gypsophila. All transplanted, strong, $1 25 per 100. Bedding Plants in 20 varieties. Wholesale price list mailed free. Call or write.

LUDVIG MOSBÆK,

85th St., near South Chicago Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

PANSIES AND DAISIES FOR IMMEDIATE DISPLAY.

Large plants in full bloom raised from **Dreer's "Royal Exhibition" Seed,** and large **Blooming Clumps English Daisy** (Bellis), $2.00 per 100.

CASH WITH ORDER.

Mrs. S. H. RAYNER, Greenport, N. Y.

Mention the Florists' Exchange when writing.

BEGONIAS

2½ in., $2.50 per 100.

Argentea Guttata, Metallica, Thurstonii, Marguerita.

SALVIAS, 2½ in., $2.50 per 100; Splendens, The President and Chreaton.

COLEUS, 12 varieties, 2 in., $2.00 per 100.

GERANIUMS, 2 in., $2.50 per 100; Mme. Salleroi and Mt. of Snow.

DOUBLE NASTURTIUMS, 2 in., $2.50 per 100.

CENTAUREA GYMNOCARPA, 2 in., $2.00 per 100. Cash with order.

C. P. DIETERICH & BRO., Maysville, Ky.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, transplanted from flats, $3.00 per 100; $25.00 per 1000. Extra well-grown plants, from 2½ in. pots, $5.00 per 100; $45.00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

Geraniums. Standard varieties, extra fine, well-grown plants from 3 in. pots in bud and bloom, $5.00 per 100; $45 00 per 1000. From 4 in. pots, $7.00 per 100.

Cannas. Dormant tubers, Henderson, Chicago, Vaughan, Charlotte, Bouvier, Papa Canna, $12.00 per 1000. Started from sandbed, $20.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

New White Canna

MONT BLANC

THE GREATEST NOVELTY IN CANNAS.

Potted plants, 75c. each; $7.50 per doz.; $50.00 per 100.

PHILADELPHIA ROSE. The Improved Crimson Rambler, 2½ in., $1.50 per doz.; $10.00 per 100. 4 to 5 in., $4.50 per doz.

GENISTA, 75c. per doz., $5.00 per 100.

ARAUCARIA EXCELSA, 2 to 3 tiers, $5.25 per doz.

ARAUCARIA EXCELSA, 3 to 4 tiers, $7.50 per doz.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

SPECIMEN BAYS

A magnificent stock. All sizes.

PHŒNIX

In many sizes. For outdoor decoration.

KENTIAS

LARGE AND SMALL.

Trained and Clipped Box Trees

JUST RECEIVED Fine importation. 1500 Phalænopsis, Schilleriana, Stuartiana, Amabilis, etc.

Expected Next Week

3000 CATTLEYA TRIANÆS

Ask for prices or call and inspect stock.

JULIUS ROEHRS
RUTHERFORD, N. J.

Mention the Florists' Exchange when writing.

KENTIAS

	Per 100	Per 1000
2½ in. pots	$6.00	$50.00
3 in. pots	12.00	
4 in. pots	25.00	

Ferns, $5.00 per 100.

Samuel S. Pennock,
1612 Ludlow St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100.

Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4 in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100, $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana**, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

Orchids. Florists' Orchids.

CATTLEYAS DENDROBIUMS
CYPRIPEDIUMS.

Large Importations Just Arrived.

SANDER & SONS, St. Albans, England.

Agent, A. DIMMOCK, 136 Liberty Street, New York City.

Mention the Florists' Exchange when writing.

Nephrolepis "Anna Foster"

Is rapidly growing in popularity among those careful growers who have been watching its progress during the past few months. Large specimens are exceedingly graceful.—American Florist, April 4.

Beautiful plants, 3-inch, $20.00 per hundred, now ready.

20,000 Boston Ferns now ready at $25.00 per 100, cut from bench. Orders booked now for small Boston Ferns for Summer delivery.

Kentias, very fine, $50.00, $75.00, $100.00 per 100.

Red Ribbed Rubbers, 2 ft., $6.00 per doz.

100,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

Mention the Florists' Exchange when writing.

SPECIAL OFFER

DRACÆNA INDIVISA

Only 1,000 plants left at from $1.50 to $9.00 per dozen. **Worth the Money.**

Hardy Carnations

ALL SOLD.

Please send no orders for less than $5.00 and Cash With Order.

CHRISTIAN SOLTAU,
199 Grant Avenue,
JERSEY CITY, N. J.

Mention the Florists' Exchange when writing.

At cost price. To clear out stock.

BAY TREES

Standard, about 4 feet in diameter of crown, $30.00 per pair. Over 4 ft., $35.00 and $40.00 per pair. Standard, crown diameter, 28 in., $12.00 per pair; 30 in., $15.00 per pair. Add $1.00 for packing for each pair. Cash with order.

A. SCHULTHEIS, College Point, N. Y.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.
NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

20,000 KENTIA BELMOREANA SEEDLINGS, from the bench, $25.00 per 1000.

PANKOK & SCHUMACHER,
Eleventh Ave., WHITESTONE, L. I., N. Y.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK
Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ORCHIDS

Our stock of established and freshly imported Orchids this season is exceptionally fine. Also a full line of Baskets, Peat and Moss for Orchids of best quality.

Write for prices.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

FERNS and PLANTS

I have just now some very nice **Ferns** in good shape, nice bushy stock, and a good variety, 2¼ in., $3.00 per 100, $25.00 per 1000.

Salvia. 2¼ in., $2.00 per 100.

Dracæna Indivisa, strong plants, 6 in., 35c. and 50c. each.

German Ivy, 2¼ in., $2.00 per 100; 4 in., strong and bushy, $6.00 per 100.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

Our first crop of **Fern Seedlings** is now ready for potting, including the following varieties: Pteris cretica cristata, Pteris cretica albolineata, Pteris serrulata, Pteris serrulata densa, Pteris Adiantoides, Aspidium Tsussimense, Lastrea Chrysoloba, Lomaria Gibba, Doodia aspera, Onychium Japonicum, Adiantum cuneatum and Adiantum pubescens. Equal number of each at $1.00 per 100; $8.50 per 1000. 500 at 1000 rate. If by mail add 10 cts. per 100 for postage.

MIXED FERNS, for dishes, 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rates.

ADIANTUM CUNEATUM, just the thing to plant out in benches now for next season. 4 in., $9.50 per 100; $90.00 per 1000. 5 in., $12.00 per 100.

FERN SPORES, gathered from our own stock, 30 cts. per trade pkt., 10 pkts., $2.50.

Telephone, 29-1

ANDERSON & CHRISTENSEN
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

IVY! IVY

	Per 100
4-5 ft. high, bushy, pot grown, 4½ in.	$12 00
1½-2 ft. high, from 2 in. pots, for hanging baskets	5 00
January cuttings, well established, from 2 in. pots	2 00
Vinca variegata, good for hanging baskets, 2 in.	5 00
Lemon Verbena, from 2 in. pots	3 00
Salvia Pfitzeriana, drooping spikes, from 2 in. pots	3 00
Salvia Splendens, **Ageratum**, dwarf blue, 2 in. pots	2 00
Alyssum, Giant Double; **Lobelia**, dwarf, from 2 in. pots	2 00
Coleus, Golden Bedder and six other best varieties, from 2 in. pots	2 00
Funkia Variegata, strong clumps	10 00

Pansies, strong plants, fine strain, $2.50 per 100; $20.00 per 1000.

RECK & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Eremuri at Riverton, N. J.

One of the most interesting featur of the hardy flower garden during tl past two weeks has been Ermur robustus and E. himalaicus. The la named was the first to open its pu white flowers on a densely crowd spike nearly 4 feet high. The flowe which were borne in great profusio occupied about 16 inches of the ste and were fully an inch across. B the most stately of the two was robustus. It commenced to open i flowers nearly a week later than himalaicus, and overshadowed the la ter in height by nearly 3 feet, with flowering raceme very nearly 3 feet length. This is a truly magnifice plant and won the admiration of who saw it as from day to day it u folded its large delicate pink flowe fully an inch and a half across, in a b of nine flowering plants. The show still carried on. Among the gro was one with white flowers. There a little intricacy about the culture management of these plants whi must be learned, or failure will resu In my first experience I thought I h an ideal spot, and studied to give the the care recommended in gardeni literature. My plant survived the Wi ter and came up good and strong the Spring, but for some yet und covered reason it rapidly melted pr maturely away, roots, leaves and al

In my second venture I selected rather open spot in a plot of grou nearly enclosed by a hemlock hed The ground was deeply and thoroug spaded and a good liberal dressing well decayed cow manure was incorp rated with the soil. Additional soil w added to raise the bed some 4 to inches or so above the level of the su rounding soil. This was kept in po tion by a frame of hemlock boar The soil being naturally a rich san loam, was nicely leveled off and this was placed the roots, or crowns, the plant, which are peculiarly co structed. The large, fleshy, brit roots, sometimes nearly 2 feet long, a horizontally thrown out from a ce tral crown, like spokes from the wh of a wagon hub; hence, to preve them breaking the surface of the s must be both firm and level. Then took a small stake and put it down near the crown as I possibly could indicate its position and so prevent being damaged. Afterwards they we nicely covered over with 3 or 4 inch of finely pulverized soil and light firmed, then covered over with so loose material, such as long stra manure, or, better, some loose stra The crowns of the plants must be pr tected from any stagnant or excessi moisture, and I find the best, easie and quickest method of doing this to put a sash over them which w readily throw off water, but so a ranged as to admit air. This prote tion seems very necessary, as tl plants are very impatient of bo damp and moisture. They seem grow slowly during the Winter, a by very early Spring they are sendi up their large, strong folded leaves, o of which rise the tall stately spik of beautiful flowers.

The advent of Spring, however, do not seem to relieve one's cares of th class of plants, for both cold win and late frosts are disastrous. Th plants must still be jealously guarde and protected till both of these da gers are passed, or their beauty wi be very much marred by disfigure foliage, if they are not prevente from flowering. To many this will ap pear lots of trouble, but I am full satisfied that the pleasure and satis faction derived during their bloomin period more than pays for the troubl

E. himalaicus is from the Himalaya and E. robustus from Turkestan, bu both wintered under the condition named and both should grow ver much taller. This, however, coul hardly be expected this season, as the were not planted till about December I think early October planting wou have given far better results.

The ermuri grow very slowly fro seed. They take nearly one year t germinate in our climate from im ported seed, and, they say, from five t seven years to become flowerin plants, so if the price does seem hig get good flowering plants to start with

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TOMATO PLANTS, Transplanted, 40c. per 100; $3.50 per 1000.

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Verbena, Scarlet Sage, Petunia, Coleus, mixed; **Ageratum,** blue and white, **Lobelia, Achyranthes,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

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THE PIERSON FERN

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The **BOSTON FERN,** although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

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These Plants will be Carefully and Lightly Packed, and We Know will Give Satisfaction.

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As we shall carry over a larger number of bench plants than we expected, we offer the following young grafted plants very cheap. This stock is all selected.

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2000 LIBERTY, 2¼ in. pots, large plants	$12.00
2700 BRIDE, 3 in. and 3½ in pots	12 00
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Verschaffeltii, very strong plants, at least 10 inches high and branching, not a cutting taken off. Four other best bedders at $2.00 per 100; $17.00 per 1000. **200 Begonia Vernon** in bloom, 2½ in. pots, the lot for $5.00. Best Red **Geraniums,** 3 in. pots, $4.00 per 100. 200 Beaute Poitevine, $3.00 per 100. **Phlox D.,** strong, from flats, 50 cts. per 100. Cash with order.

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Geraniums, various light colors, 3½ in. pots, $5.00 per 100. Ivy Geraniums in var., 3½ in., $5.00 per 100. Cannas, Italia, Austria and Charles Henderson, 4 in., $5.00 per 100. Verbenas, 3 in., $2.50 per 100. Nasturtium, mix., Thunbergia, mix., Lobelia, Parlor Ivy, Maurandya, Tradescantia, 2 vars.; Mignonette, Coleus, dark, $2.50 per 100. Scarlet Sage, 2½ pots, $2.50 per 100. Vinca Var., 3 in., $3.00 per 100. Ageratum, dwarf blue, 2½ in , $2.50 per 100. Vernon Begonia, very fine, in bloom, 2½ in., $2.50 per 100. White and Pink Begonias, in 2½ in., $2.50 per 100. Asters, in 2½ in., mix., $2.00 per 100. Fuchsias, Storm King, Avalanche and Elm City, 6 in., fine, $10.00 per 100. Cash with order.

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Ageratum Blue Perfection, Lobelia, Dwarf and Trailing, German Ivy and fancy Coleus, mixed, extra strong, bushy, 2½ inch stock, $1.50 per 100, cash. Satisfaction guaranteed.

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	Per Doz.	Per 100
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Hydrangeas, Otaksa, Thos, Hogg and red branches, 2½-inch pots	.50	3.00
Hoya Carnosa, 2½-inch pots, fine plants, $35.00 per 1000	.60	4.00
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Lemon Ponderosa, has ponderous fruit. Anyone can bloom and fruit it. It blooms in large clusters, the individual flowers as large as tuberoses. It is the best selling plant we have and we recommend it to all florists, 2½-inch pots, $25.00 per 1000	.50	3.00
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Asparagus Plumosus Nanus, 2½-inch pots, $25.00 per 1000	.50	3.00
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Asparagus Sprengeri, 3-inch pots, fine	.75	5.00
Asparagus Comorensis, 2½-inch pots, grows stronger than Plumosus Nanus, $25.00 per 1000	.50	3.00
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Begonias flowering 6 best varieties	.50	3.00
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	Per Doz.	Per 100
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Passiflora Constance Elliott, hardy white flowering Passion Vine, $20.00 per 1000	.40	2.50
Rhyncospermum Jasminioides, fragrant white flowers	.40	2.50
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Golden Bedder, Crimson Verschaffeltii and 20 other varieties. Rooted cuttings, 60c. per 100; $5.00 per 1000. 2 in. pots, $1.50 per 100; $15 per 1000.

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Heliotropes, dark, 2 in. pots, $1.50 per 100.

Alternantheras, 2 in. pots, P. Major, $1.60 per 100; $16.00 per 1000. A. Nana, $1.40 per 100; $14.00 per 1000.

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Geraniums, Viaud, Harrison, Giant Marvel and others, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100.

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IVY GERANIUMS, 2½ in.	2 00	18 00
VERBENAS, assorted, 2½ in.	2 00	18 00
CANNAS, red and yellow, 3 in.	3 00	
DAISY, white and yellow, 2½ in.	2 00	18 00
HYDRANGEA Thos. Hogg and Monstrosa, 2½ in	2 50	20 00
HONEYSUCKLE, golden leaved, 2½ in.	2 00	18 00
FERN, Maiden Hair, strong, 2½ in.	3 00	
CYPERUS, Umbrella Plant, 2½ in.	1 50	14 00
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SITUATION wanted by young man, seven years' experience in Germany and England. Honest and willing. H. Schultz, 559 E. 139th St., New York.

SITUATION wanted as foreman by married man; expert grower of cut flowers and plants. Competent to take charge of large place. References. Address W. B., care Florists' Exchange.

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SITUATION wanted as foreman; single man, 34; expert grower of cut flowers and pot plants; capable of handling men and care for any size place. Address Garfield, care Ponnet & Co., Alexandria, Va.

SITUATION wanted in or near Boston, by an experienced man, capable of taking charge of rose, carnation and chrysanthemum houses, etc. Apply "Z," care F. J. Norton, 61 Mass. Ave., Boston, Mass.

EXPERIENCED man desires position as manager or superintendent on large estate. At present employed as manager on truck farm near New York City. Best references. W. H., care Florists' Exchange.

SCANDINAVIAN, A1 grower and maker-up; life experience, Europe and United States. Can take full charge and handle help to advantage. Retail-commercial, or private place preferred. Address N. Nielsen, Babylon, N. Y.

POSITION wanted as grower and manager by a successful and competent man in all branches of an up-to-date establishment. Proficient in chrysanthemums, roses, carnations, violets, general stock. Aged 30. Place where working interest is given preferred. Box 321, Glen Cove, N. Y.

SITUATION wanted as gardener on a gentleman's place by man who thoroughly understands all branches, both outside and under glass; 30 years' practical experience. Swiss, married, no children; strictly sober; good references. Address B. P. Haessig, Lawrence, L. I., N. Y.

HELP WANTED

WANTED, experienced rose grower, married man preferred. S. J. Reuter, Westerly, R. I.

WANTED, good traveler or representative for Belgian firm, on commission. State terms and capabilities to U. B., care Florists' Exchange.

SALESMAN wanted in wholesale and retail seed store; one who has had some experience in traveling preferred. Good salary to right party. Address W. S., care Florists' Exchange.

WANTED—For roses and carnations, man with experience; $12.00 per week. Also young man at $10.00 per week. Pittsburg Rose & Carnation Co., Cristal Farm, Valencia P. O., Pa.

WANTED—Two men who have had good experience in general greenhouse work. Steady positions, good wages. Apply Charles L. Stanley, Plainfield, N. J.

WANTED—First-class man to take charge of section of houses. We will pay good wages, but must have experienced man. Edward J. Taylor, Southport, Conn.

WANTED at once, good and reliable man for store; must be first-class on design work and good salesman. Permanent and good situation for capable man. Address, with references, Designer, care Florists' Exchange.

WANTED—Strong boy of 19, or young man, to help on florists' place; must be used to field work; $20.00 per month and board to start, and will be advanced as soon as value is demonstrated. Mrs. S. H. Rayner, Greenport, N. Y.

WANTED—Near New York, married man to assist and make himself generally useful in greenhouses; must be quick, willing, and not afraid of work. A man with one or two children old enough to help with light work preferred. Give references and particulars, with wages expected; house, coal, etc. Address W. A., care Florists' Exchange.

WANTED—In the retail florist business, two capable, energetic, experienced young men, one for large retail store and one for manager in branch store. Must be good designers and first-class help. Address L. I. Neff, 218 Sixth St., Pittsburg, Pa.

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Ready. Write for sample pages.
Price, $3.50.
THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

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FOR RENT CHEAP—Small commercial place, immediate possession; write for particulars. Hannah Baeppler, Florist, East Hackensack, N. J.

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FOR SALE—FLORISTS' ESTABLISHMENT. WE HAVE TWO PLACES AND CAN ATTEND TO BUT ONE. A BARGAIN IS OFFERED. ZELLER & BONNY, 1261 FULTON ST., BROOKLYN, N. Y.

WANTED To sell half interest in well-established nursery, to one who can take charge of the propagating; also want two nursery hands, one of whom will make good foreman. Address Emporia Nurseries, Emporia, Va.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses; modern heating system; hot beds; potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

ON ACCOUNT of poor health I wish to lease my greenhouse establishment for a term of years; about 20,000 ft. of glass; established in 1860 and has been run continuously ever since. Steam heat; city water; everything convenient. One mile from City Hall in city of 125,000. Possession June 10, 1903. Enquire Chas. D. Thayer, Proprietor, 8 Ripley St., Worcester, Mass.

FOR SALE.—About 35 miles from Boston, seven greenhouses, with one acre of well cultivated land, suitable for Summer planting. The houses are 100 ft. x 20 ft., and in fairly good condition. They are heated by a No. 11 Furnam hot-water heater. For full particulars apply to Mr. G. St. L. Abbott, Room 621, 23 Court Street, Boston, Mass.

FOR SALE—Modern plant of 10 greenhouses, about 25,000 ft. of glass; with land, stock, fixtures, and good will of business; 30 years established and under one management, but completely rebuilt in last 10 years. Entire products sold retail; the largest place of kind in New Hampshire. Relief from business cares reason for selling. Books open. Ellis Bros., Keene, N. H.

FOR RENT

Eight greenhouses at Lansdowne, six miles from Philadelphia,

Six Houses 20 x 100 feet
Two Houses 6 x 100 feet

Iron and slate benches; unsurpassed steam plant; water supply, 60 lbs. pressure; together with 2½ acres of land.

CHAS. S. PRICE, Lansdowne, Pa.

Mention the Florists' Exchange when writing.

Greenhouses For Sale

For sale, a well established Greenhouse property, consisting of 3 houses, 20x87 each, heated No. 17 Hitchcock Boiler; 4-room house and barn; city water. Stock of Chrysanthemums and Carnations. Close to New York city. Enquire of owner on the premises.

WM. SCHUBERT, Forest Avenue, East Williamsburg, **Brooklyn**, N.Y. Take Metropolitan Ave. cars from Broadway ferry.

MISCELLANEOUS WANTS

WANTED—To rent a floral establishment in Virginia, or further South. Address W. E., care Florists' Exchange.

WANTED—To purchase an interest in an established florist business. Have about $1,000 to invest with services. Address H. F. A., care Florists' Exchange.

WANTED—To buy for cash, one light florist's top wagon, in good condition, with rubber tires, for New York City delivery. State where to be seen and price. Address W. D., care Florists' Exchange.

WANTED—500 MME. FRED BERGMANN CHRYSANTHEMUM PLANTS OR ROOTED CUTTINGS. ADDRESS J. & W. LEACH, 1010 DeBEVOISE AVE., ASTORIA, L. I. CITY, N. Y.

MISCELLANEOUS

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—New greenhouse material as follows: New 2-in. Black Pipe, long lengths, 10 cts. per ft., 6 x 8, 50 ft. boxes. American glass, single, $2.25 per box; 6 x 8, 50 ft. boxes, American glass, double, $2.70 box; 6 x 8, 100 ft. boxes, French glass, single, $4.00 box; 12 x 14 16 x 18, 14 x 14, 50 ft. boxes, American glass, double, $3.60 box; 12 x 12, 10 x 14, 50 ft. boxes, American glass, single, $2.40 box. Clear Gulf Cypress Greenhouse Material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

CANADIAN NEWS

STRATFORD, ONT.—A. B. Cutting has resigned his position as assistant horticulturalist at the O. A. C., Guelph, and has left that city for Florida, Georgia and other States in the South, where he intends studying and investigating the various systems of handling, storing and shipping Southern fruit and vegetables. He will return after about three months' absence to resume his studies at the college. Mr. Cutting is making this trip to fit himself more thoroughly for a position which he has accepted in the Argentine Republic.

Hamilton.

All night long on the 26th inst. we had a splendid rain, which wet things clear to the roots. A great many rains seem to divide here at the head of the lake, going farther Niagara Falls way or towards Toronto; it has occurred once or twice this season already. Nothing seems to have been much hurt by the drouth, but considerable planting has been delayed, the ground being so very dry.

Bedding plants are in greater demand than ever before. The old boys' reunion this Summer is creating a great demand for plants of all kinds.

The next meeting of the club will occur June 2. I understand there is a proposition to hold a rose exhibition. As the rush of bedding is now past, a good meeting is expected.

BEAVER.

TORONTO.—The continued run of good business is making most of the boys quite cheerful, and the splendid rain we are now having will help along Summer crops nicely. Carnations in the field were having a rather hard time, for the ground had got to be very hard and dry, but a good, steady rain, during the last few hours, has put a different face on nature, and everything outdoors appears to be flourishing.

The Ontario Jockey Club races have brought a large number of visitors to town, and there has been a splendid demand for decorative material and cut flowers. Roses are still very good and cheap. Outside lily of the valley is extra fine and plentiful; and carnations, while still very good, are now in oversupply.

There died here last week one of Canada's oldest lady florists in the person of Mrs. S. Tidy. She was well known to all the old-time gardeners and florists here, and was always highly respected by all. Mrs. Tidy was an Englishwoman and came here years ago with her husband. They started a florist's business about 30 years ago, which has been successful. The old lady ran one branch of the business until about two years ago, when failing health caused her to give it up. She was of strong, sterling character, and her influence will be felt for many years by her family and friends.

The May meeting of the Gardeners and Florists' Association was rather a small one, and not very much business was done. Those who did attend spent a very pleasant hour after the business was put through. The president, Wallace Wood, was married to Miss R. Gardner, of this city, on the 20th inst., at Holy Trinity Church. A great many of their friends were present. Mr. Wood is very popular, and we all wish him and his wife the greatest happiness. T. MANTON.

SASH FOR SALE

250 Greenhouse Sash, 3 feet x 8 feet, in good order. Address

Chas. J. Marc, Woodside, Long Island, N. Y.

Mention the Florists' Exchange when writing.

SPECIAL NOTICE. 5 per cent. discount on following goods ordered before June 1st: One Gorton hot water heater, 900 radiation, $53.00. One Sandow hot water heater, small, $27.00. One Perfect hot water heater, 7 sections, $75.00. One Sunray No. 9, hot water heater, 8 sections, $115.00. One Spence hot water heater, 7 sections, $73.00. One Ideal Portable Steam No. 303, $73.00. One Cambridge Steam, 6 sections, $78.00. One Hitchings hot water heater, No. 16, $55.00. One Ericsson Pumping Engine, No. 8, $80.00. One Ericsson Pumping Engine, No. 6, $55.00. One Rider Pumping Engine, No. 6, $110.00. All guaranteed to be in good working order. Boilers taken in exchange. New 2 in. pipe, 10c. per ft. net, second hand 2 in pipe, 8c. per ft., second hand, 1½ in pipe, 5¾c. per ft.; second-hand 1 in. pipe, 4½c. per ft.; second hand ¾ in pipe, 3c per foot. 300 ft. job lot new ¾ in hose, not guaranteed, $5.10 per 100 ft. New ¾ in. hose, guaranteed one year for 150 lb. pressure, 7½c. per ft. Write for prices on lumber and all kinds of tools **MANHATTAN SUPPLY CO., 440-442 11th Ave., New York.**

Mention the Florists' Exchange when writing.

BASKET PLANTS

A fine assortment of best varieties for baskets and vases, now ready for shipment at once. All from 2 and 2½ inch pots.

OUR PRICE { $2.50 per 100.
$21.00 per 1000.

WEBSTER BROS., Plantsmen, Hamilton, Canada.

Mention the Florists' Exchange when writing.

Seed Notes

MONTREAL.—As far as vegetable and farm root seeds are concerned little or none are saved here. Timothy is grown and saved very extensively and the long-continued drouth (40 days or more) will make it a very short crop unless rain comes immediately. We had a frost Sunday night, cutting tomatoes, beans, corn, cucumbers, as well as early potatoes in many places.

WM. EWING & CO.

TORONTO, ONT.—It is rather early yet to say much about the condition of crops. The season, however, has so far been comparatively warm and crops generally are looking healthy, but owing to very light rain fall, the growth to date is not as rank as usual at this season of year.

THE STEELE BRIGGS SEED CO., LIMITED.

Boston.

Review of the Market.

During the early part of the week the supply of flowers fell off very considerably, thus placing the market in a better condition for the increased demand of Wednesday, when the first of the Memorial Day rush began with the wholesalers, who were kept very busy all day. At this time stock was in good supply, though not overplentiful, as has been the case for weeks, and prices advanced somewhat. From present indications a very fine business will be done this year, with an ample supply and good prices. Many of the out-of-door flowers, usually so plentiful, will be scarce this season, such as lilacs, deutzia, etc.; but snowballs, rhododendrons, peonies, etc., will be in good supply. There is also a sufficient supply of candytuft, stocks, feverfew, antirrhinum and such useful things coming in.

Carnations shortened up during the first two or three days of the week, but by Friday will undoubtedly be in good supply, though at better prices than have prevailed for weeks. At present writing, Wednesday, good carnations average $1.50 per 100, with fancies at $2.00 to $3.00.

Good roses are not so plentiful, though there is a heavy supply of small and medium stock for which the demand is usually much heavier for this week's work. The best grades of Bride and Bridesmaid make $8.00 per 100, while the finest Souvenir du President Carnot and Kaiserin Augusta Victoria go to $10.00. Smaller grades of all these roses range from $1.00 to $5.00. The best American Beauty make $20.00 per 100, with medium and shorter ones graded at from $12.00 and $16.00 down to $4.00.

News Items.

Owing to Decoration Day the last regular meeting of the Horticultural Club, which was to have been held Thursday of this week, has been postponed until next week.

The rhododendron exhibition of the Massachusetts Horticultural Society will be held on Friday, Saturday and Sunday, June 5, 6 and 7. In addition to rhododendrons, prizes are offered, under the H. H. Hunnewell Fund, for hardy azaleas, and the Society's prizes for German irises, hardy pyrethrums, hardy ornamental trees and shrubs, vase of flowers, native plants and vegetables, as well as for a display of orchid plants arranged with foliage plants.

Charles Evans, of Watertown, expects to sail for Europe next week.

Albert Roper, of Tewksbury, had a new seedling carnation at the market Saturday, which "looks good." It is a "Fair Maid" seedling, the other parent also having the Fair Maid blood in it, being a white seedling from that fine variety. The new one is almost identical with Fair Maid in habit and color of flower, but the bloom is built up well and full at the center, being much more double than the parent.

F. J. N.

CASH BARGAINS

To Reduce Surplus Stock.

JAPAN FERN BALLS In Fine Condition.

5-7 inch, per doz., $1.35; per 100, $9.00. 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $30.00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $24.00.
The two (2) Cases containing 540 Fern Balls for $45.00.

Cycas Revoluta Stems From ½ to 3 lbs. and from 6 to 15 lbs., about 250 lbs to the case per 100 lbs., $6.50; by the case, per 100 lbs., $6.00.

AS THE QUANTITY IS LIMITED
I ADVISE IMMEDIATE ORDERS.

JAPAN BAMBOO CANE STAKES in Bundles of 2000.

Clean, Bright Stock of Superior Quality. Can be Used for Many Years.

6 feet, ⅜ to ½ inch diameter	per 1000, $6.00;	per 2000, $11.50;	per 6000, $33.00
3 " ¼ to ⅜ " "	" " 3.50;	" " 6.50;	" " 18.00
3 " ¼ " "	" " 3.25;	" " 6.00;	" " 17.00

CASH WITH ORDER, PLEASE.

FOSTITE for Mildew on Roses and Carnation Rust, per 25 pounds, $2.50.

AZALEA INDICA and HOLLAND FORCING BULBS, Hyacinths, Tulips, Narcissus, etc., of Select Quality at Right Prices.
SEND ME AN ESTIMATE OF YOUR WANTS.

C. H. JOOSTEN, Importer, 201 West St., New York.

Mention the Florists' Exchange when writing.

20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding, Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.
302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

VERBENAS

Rooted Cuttings, 60c. per 100; $5.00 per 1000. Double White Daisies, large plants, 60c. per 100; $5.00 per 1000. Dwarf Blue Lobelia, R. C., 75c. per 100; $5.00 per 1000. Asparagus, from flats, ready for potting: Sprengeri, $1.00 per 100; $7.00 per 1000. Verbenas, 2 in. pots, $1.25 per 100. S. Alyssum, R. C., 75c. per 100. Terms, Cash.

Hill Top Greenhouse, 15-16 GRAY AVE., UTICA, N. Y.

MUMS

Bonnaffon, Pink Ivory, Eagan, Modesto, Mrs. H. Weeks, Pres. Smith, and 25 other fine sorts, R. C. $1.00 per 100. Prepaid for 10c. extra.

COLEUS, Golden Bedder, Verschaffeltii, and 10 best bedders. R. C. 60c. per 100, 2 inch, assorted, $2.00 per 100.

AGERATUM Gurney, P. Pauline, and Best White R. C. 60c. per 100.

STEVIA SERRATA R. C. 75c. per 100.

STEVIA S. variegata R. C. $1.25 per 100.

COBÆA SCANDENS, 3 inch, 4 cts.

Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

CHRYSANTHEMUMS

WELL ROOTED CUTTINGS
Ready June 20th.

In following varieties. Stock guaranteed or money refunded. $12.00 per 1000.

Eaton, Niveus, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, J. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean.

Plants from 2 in. pots, $20.00 per 1000.
CASH WITH ORDER.

L. I. NEFF, Pittsburg, Pa.

CHRYSANTHEMUMS

Fine, strong stock in 2½ in. pots.

Col. D. Appleton, Chadwick, Mrs. T. L. Park, Timothy Eaton, White Bonnaffon, Yanariva, Yellow Bonnaffon, Jerome Jones, Hobson, $4.00 per 100, $35.00 per 1000

Polly Rose, Pink Ivory, White Ivory, Harry Parr, Glory of the Pacific, $3.00 per 100; $25.00 per 100.

We are now booking orders for our beautiful new pink Chrysanthemum

KATHERINE STEINHOFF,

$25.00 per 100, from 2½ in. pots.

HERMAN C. STEINHOFF, West Hoboken, N. J.
578 Hudson Boulevard.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

AS TENDER AS SPRING CHICKENS.

Also Appleton, Mrs. Jerome Jones, John K. Shaw, Robinson, etc., out of 2¼ inch pots, branched or single stem, your choice, $2.50 per 100; $20.00 per 1000. Exhibition Varieties and Novelties of 1902, $4.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

MODEL EXTENSION
Carnation Supports
—ALSO—
Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

Carnations
F. DORNER & SONS CO.
LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

J. D. THOMPSON
CARNATION CO.
Carnation Specialists
JOLIET, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS

From 2-Inch Pots.

TO CLOSE OUT.

	Per 100
500 **Mrs. Roosevelt**	$12 00
200 **Golden Beauty**	6 00
200 **Viola Allen**	6 00
1000 **Harry Fenn**	6 00
1000 **Alpine Glow**	10 00
250 **Gaiety**	6 00
100 **Marshall Field**	10 00
200 **Penelope**	8 00
100 **Floriana**	3 00
200 **Challenger**	6 00

THE COTTAGE GARDENS, Queens L. I., N. Y.

Mention the Florists' Exchange when writing.

CANNAS AND CARNATIONS

50,000 Potted and Dormant Cannas.

Potted List—Mme. Crozy, Florence Vaughan, Queen Charlotte, Alsace, Philadelphia, Golden Moon, Duke Marlborough, Souvenir d' Antoine Crozy, President McKinley, Leopard, Shenandoah (fine bronze-leaved), $6.00 per 100; Maiden's Blush, Rosemaur (pink), $8.00 per 100; Black Beauty, 15 cts.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Canary Bird, Burbank, Austria, $2.00 per 100; $15.00 per 1000.

5000 Lady Hume Campbell Violet Plants, from soil, $1.00 per 100.

20,000 CARNATIONS from soil, fit to plant.

Ethel Crocker, Genevieve Lord, Mrs. Joost, Wm. Scott, Lizzie McGowan, Flora Hill, White Cloud and Mack Richmond, red, $1.50 per 100; $12.00 per 1000. Queen Louise, $2.50 per 100.

500 Started **Caladiums,** from sand, 6 cts.

1000 **Tritoma Uvaria,** field roots, 6 cts.

1000 Double Red and Single Pink **Geraniums,** 2½ in., $2.00 per 100.

1000 **English Ivy,** 2½ in., $3.00 per 100.

1000 Dormant **Ampelopsis Veitchi.,** strong, pot grown, $4.00 per 100

Send for list. Cash please.

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing

Rex Begonias.

After the rush of bedding stock is over the propagating bench is often left practically idle. It can be put to good purpose in the propagating of rex begonias. Struck now they will make nice sized plants before Fall. A sharp, clean sand is the most suitable propagating material, as with this, when water is applied, it will quickly drain off. In many establishments they depend on propagating these plants under the benches, on ashes, or whatever material happens to be available; but this is rather a slipshod method, and it is greatly a game of chance if a fair percentage of plants is produced from the leaves put down. With a few of the older varieties from which plenty of leaves can be procured, it may be all well enough; but where newer or scarcer sorts are concerned, the propagating bench, where they are perfectly under control, is the safest method for insuring profitable returns.

With the newer varieties, where it is economy to use the whole leaf, the selection of well matured leaves is an important point. The strongest nerves of the leaf should be cut before laying on the sand (cutting on the under side), and a few small pebbles placed on top of the leaf will help to keep it in the desired position. The sand should be kept well moistened, but not over-wet, or there is danger of considerable loss through damping. The house should be kept well shaded, and the atmosphere rather close. If conditions are suitable, growths will soon begin to appear on the surface of the leaf which, in the course of a few weeks, will mature into plants large enough for the first potting.

For the older varieties, when plenty of leaves can be obtained, a much more speedy process is to cut away the greater part of the leaf, leaving only a little of the base and about an inch of the leaf stalk. These are inserted in the propagating bed, like a geranium or other ordinary cutting. Roots are soon produced from the end of the leaf stalk, and growths will start from the base of the old leaf, making plants much quicker than when the whole leaf is employed; but, of course, only giving one plant for each leaf inserted, where from each of the whole leaves put down several plants are produced. Thumb pots should be the first used. For this potting a good compost is one of equal parts loam, leaf mold and sand, which should be finely sifted. The propagating house will be the best place for the little plants. Until they have got a good hold of the new material the conditions regarding atmospheric moisture and shade may be kept much the same as before; but once well established more air and a little more light will be beneficial.

For subsequent potting the soil may be made a little heavier and slightly enriched by the use of some well-rotted cow manure. For the general treatment of the plants once well under way, heavy shading and too much atmospheric moisture should be avoider, or the plants are apt to become drawn. But moderate shade is necessary to prevent burning, and retain the more delicate tints of the foliage.

SCOTIA.

VERBENAS

IN BUD AND BLOOM

2½ in. pots,	$2.50 per 100;	$20.00 per 1000
3 "	3.00 "	25.00 "

J.L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking Chrysanthemums, Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York City
Branch Store, 404 East 34th Street, New York.

Mention the Florists' Exchange when writing.

WHITE BRADT and FRAGRANCE

Two Valuable New Carnations. Send for full description.

Price, $2.00 per doz.; $12.00 per 100; $28.50 per 250; $55.00 per 500; $100.00 per 1000.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N.Y

Mention the Florists' Exchange when writing.

EDDING PLANTS.

eraniums, from 3 and 4 in. pots, all double, in d and bloom, $5.00 per 100; **Salvia**, Silver Spot l Splendens, from 2½ in. pots, strong, $3.00 per ; Transplanted Seedlings from bench, $2.00 per ; Double and Single Fringed **Petunias**, in bud l bloom, 3 in. pots, $4.00 per 100. Double Sweet ssum, 2½ in. pots, $2.00 Per 100. Cash with ler. The above plants are healthy and satisfac n guaranteed.

. LAWRITZEN, Rhinebeck N Y.

ntion the Florists' Exchange when writing.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

ERANIUMS

S. A Nutt, Jean Viaud, Marquis de Castellane, etc., 4 in , $5.00 per 100.

UCHSIAS

Little Beauty, 3 in., $5.00 per 100.

ARL HAGENBURGER,
West Mentor, Ohio.

ntion the Florists Exchange when writing.

BARGAIN OFFER

y the Pennsylvania Railroad

For the following Tender Stock

	Per 1000
00 **Geraniums** in variety	$45.00
00 **Alternantheras** in variety	20.00
00 **Variegated Stevia**	15.00
00 **Coleus** in variety	20.00
00 **Cineraria Maritima**	20.00
00 **Achyranthes**	25.00
00 **Geranium,** mixed colors ....per 100	2.00

Above stock can be seen at the greenhouses of e Pennsylvania R. R. at Newark, Del. Stock in e best of condition. Send orders to

E. F. BROOKS
en. Supt., P. R. R. Wilmington Del

lention the Florists' Exchange when writing.

GERANIUMS

In bud and bloom. S. A. Nutt, Marvel, Mrs. E. Hill, Jean Viaud, Bruant, Mme. Chevilliere, en. Dodd, Alphonse Ricard, Beaute Poitevine, tc. 3 in., $5.00 per 100; 4 in., $6.00 and $8.00; in., $15.00.

ANNAS Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc. All well started 4 in. pots, at $8.00 and $10.00 per 100.

LTERNANTHERA 2½ in., $2.50. **Coleus,** 2½ in., $2.50; 3 in , $3.50 per 100.

HRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. pah, Willowbrook, Polly Rose, Robinson, Weeks, layflower, Fee du Champsaur, Princess Bassaraba, aton, Jerome Jones, Monrovia, Parr, Halliday, ppleton, Park, Bonnaffon, Goldmine, Golden Vedding, Golden Beauty, Lady Harriett, Glory acific, Helen Bloodgood, Dalskov, Chadwick, rs. Perrin, Mary Hill, Murdock, Calvat, Malcolm amond, $1.50 per 100.
lle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

OSTON FERNS 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1 00 each; 8 in., 1.25 each; 9 in., $1.50 each. Cash or C. O. D.

V. J. & M. S. Vesey, Ft. Wayne, Ind.

lention the Florists' Exchange when writing.

GERANIUMS

20,000 strong plants, in 3½ and 4 inch pots They are handsome plants in perfect condition and covered with flowers, and consists of: A. Ricard, Dble Gen Grant, Beaute Poitevine, Mrs. E. G. Hill, La Favorite, S. A. Nutt, etc. $8.00 per 100.

J. T. LOVETT
LITTLE SILVER, N J.

Mention the Florists' Exchange when writing.

ENGLISH IVY

Fine plants, out of 4 in., pots	$10 00 per 100
" " " 5 " "	20 00 " "
Rooted Cuttings	1 50 " "
Pansy, fine plants, Roemer's strain, in bloom	20 00 " 1000

For growing on **Hydrangeas,** 4 in , nice plants, $6.00 per 100; Rooted Cuttings, $2 00 per 100. **Genista,** dwarf, fine plants, out of 2½ in pots, $4 00 per 100. **Begonia semperflorens,** 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

CHAS. ZIMMER West Collingswood, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

Extra strong 3 inch pots, in bud and bloom, S. A. Nutt, Gen. Grant, Poitevine, Landry, Charlotte, Viaud, Montmort, Patters, Double Scarlet Dwarf for border, and other varieties. $4 00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing

IN FULL BLOOM.

GERANIUMS

JEAN VIAUD
AND
BEAUTE POITEVINE.

Fine 4-inch stock, $6.00 per 100.
CASH PLEASE.

Henry Eichholz, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Healthy Stock **CARNATIONS** From 2 in. Pots

	Per 100
Harry Fenn, Cressbrook	$6.00
Genevieve Lord, Gen. Maceo, Gen. Gomez, Melba	3.00

Strong Plants **CANNAS** From 3½ in. Pots

Alphonse Bouvier, Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos. S. Ware, $6.00 per 100.

Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres. Cleveland, Papa, Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy, Tarrytown, price $8.00 per 100.

For dormant tubers see page 533 issue May 9th.

Own Root **ROSES** Healthy Stock

Bride
Bridesmaid From 3-in. pots, $7.00 per 100; $60.00 per 1000.

GRAFTED ROSES.

		Per 100
Golden Gate, **Bridesmaid,** **Bride,** **Wootton**	3-inch pots	$15.00
	2½-inch pots	12.00

CHRYSANTHEMUMS

Fine stock from 2½ in. pots.

Adula, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, G. W. Childs, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L Park, Nagoya, Polly Rose, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100; $35.00 per 1000. Ada Spaulding, H. W. Rieman, J. A. Lager, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Marg. Graham, Mme. F. Bergmann, Nivens, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS
Ready for Immediate Sale.

	Size Pots	Per 100
Achyranthes, Emersonii, etc.	2¼ in.	$3.00
Anthemis, Double Golden Marguerite	2¼	3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney	3	5.00
	2¼	3.00
Cuphea, Platycentra	2¼	3.00
Coleus, all the leading varieties	3	4.00
" " " "	2¼	3.00
Cannas, varieties as above list		$6.00 and 8.00
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	3.00
" " " "	3½	7.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Hydrangea Otaksa	5	25.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	3.00
" " " strong	4	10.00
Pelargoniums, 4 varieties	3½	12.00
" " "	2½	6.00
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
" " " "	3½	5.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00
Vinca Variegata and Elegans	3	4.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

Early Cosmos

The popular strain I have sold in the New York Cut Flower Exchange for the last four years.

Pink, red and white, mixed, seedlings, $1.00 per 100; $9.00 per 1000.

Cash with order.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica Post Office, Woodhaven Station

Mention the Florists' Exchange when writing.

COLEUS Red and Yellow, $5.50 per 1000 Brightest fancy, $4.50 per 1000. GIANT-LEAVED, 20 var., very showy, 65c per 100. **Branchy Stock** for immediate planting, 5 in. high, strong roots, red, yellow and giant, $1.60 per 100. Fancy, $1.30 per 100.

Alternanthera Fine new bright reds, 85c. per 100. Bushy cuttings, 55c. per 100

Daniel K. Herr, Lancaster, Pa.

Mention the Florists' Exchange when writing

Geraniums and Chrysanthemums

Geraniums in good variety, double and single, 3 in., strong, $5.00 per 100; **Chrysanthemums,** rooted cuttings, White Ivory, Glory of Pacific and Whilldin, $1.50 per 100. Appleton and Eaton $2.00 per 100.

WM. SWAYNE, Box 226,
KENNETT SQUARE, PA.

Mention the Florists' Exchange when writing.

CANNAS

Dormant or started, fine plants. Austria, Burbank, Marquant, Mme. Crozy, $1.50 per 100. Italia, Allemania, Alba Rosea, Mme. Bouchard, Black Prince, Brewster, John White, McKinley, Florence Vaughan, President Cleveland, Robusta, bronze, Secretaire Chabanne, Egandale, Beaute Poitevine, $2.00 per 100, Mrs. Kate Gray, the finest of all, $4.00 per 100.

DAHLIAS

Field grown, all leading kinds, best for cut flowers, named, $3.00 per 100; $25.00 per 1000. Cash.

Shellroad Greenhouses, Grange P. O.,
BALTIMORE MD.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
ASTERS, Semples, in 5 varieties, 2½ in. pots,	$1.50
AGERATUMS, in 3 varieties, 3½ in. pots.	2.50
COLEUS, in variety, 2½ in. pots	2.00
FUCHSIAS, in variety, 2½ in. pots.	2.00
" " in bud and bloom, 4 in. pots	6.00
GERANIUMS, in variety, in bud and bloom, 4 in. pots	5.00
HELIOTROPES, in variety, 2½ in. pots.	2.00
" " 3½ in. pots.	4.00
GERANIUMS, Happy Thought, 2½ in. pots	3.00
ROSE GERANIUMS, 4 in. pots	5.00
SALVIA SPLENDENS, 4 in. pots	4.00

At these prices the selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
To close out, 2½ and 3 in. pots.	$3.00
Alternanthera, red and yellow	2.00
Asparagus Sprengeri, nice plants	2.00
Asparagus Plumosus Nanus, July	2.50
Centaurea Gymnocarpa	2.00
Asparagus Plumosus Seed, $6.50 per 1000.	

COLEUS

	Per 100
15 vars., 2 and 2½ in. pots	$2.00
Smilax, 2 in. pots	1.00
Vinca Vines Var., 2 in. pots	2.00
Primroses Chinensis, July	2.00
Obconica, Alba and **Rosea**	2.00
Forbesi	2.00

Cash Please.

JOS. H. CUNNINGHAM, Delaware, Ohio

Pelargoniums in best varieties, in bud and bloom, 2½ in. pots, $6.00 per 100.

Geraniums, Best bedding sorts, 4 in. pots, $7.00 per 100; 2¼ in. pots, $3.00 per 100

Cannas, 3 in. pots, $5.00 per 100.

Vinca Major Variegata, 2¼ in. pots, $3.00 per 100

NATHAN SMITH & SON, Adrian, Mich.

COLEUS, GERANIUMS, FUCHSIAS, ETC.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

GERANIUMS

Standard sorts, double and single
$2.00 per 100.

	Per 100
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
Cinnamon Vine Bulbs	2 50
Hardy English Ivy	2 00
Lemon Verbena	2 50
Primula Forbesii, "Baby Primrose"	2 00
Salvia, Silverspot	2 00
Sanchezia, variegated	5 00
Sedum, variegated	3 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and Pfister, which only grow about 7 inches high.

$2.00 per 100: $17.50 per 1000.

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, Strong plants, from 3 in. pots, standard sorts, **60c.** per doz.; **$4.00** per 100; **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, Autumn Glory, Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford, Mme. F Bergmann, Mrs. R. McArthur, Mrs. J. G. Whilldin, Mrs. Perrin, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Modesta, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, now ready and others coming on. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
STROBILANTHES Dyerianus, 75c. per doz.	5 00
YUCCA Filamentosa, 1 year old	3 50
" " 2 " "	6 00

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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For rates on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday to secure insertion in issue of following Saturday.

Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

Contents.

PAGE
Begonia Gloire de Lorraine........ 618
Begonias, Rex........................ 614
Bridgeman, Alfred, The Late....... 616
Briefs for Busy Florists............ 618
Bulb Prospects, Holland............ 609
Bulbs, French, Situation........... 616
Burbank, Luther, Honored......... 616
Canadian News...................... 613
Carnations Planted in 1903.......... 616
Carnation Table....................622-3
Iberis superba (Illus.)............... 618
Eremuri at Riverton, N. J.......... 610
Hail Notes 617
Lilies in Bermuda................... 618
Market, Review of the.............. 620
New Plants, Some (Illus.).........618-9
Nursery Department 607
OBITUARY:
  Alfred Bridgeman (Portrait), H. C. Harris 617
Palm and Decorative Plant Trade.. 619
Pansies for Seed (Illus.)........... 618
Plants and Flowers................. 616
Question Box 618
Seed Trade Report................. 605
SUPPLEMENT:
  Magnolia stellata 616
TRADE NOTES:
  New York 609
  Chicago and St. Louis............. 621
  Baltimore, Philadelphia, St. Paul 626
  Buffalo, Cincinnati, San Francisco 627
  Boston 613
What Our Advertisers Say......... 617
World's Fair Rose Garden.......... 616

PLANTS and FLOWERS

CANNA, SETH LOW.—Otto Grundmann, florist, Secaucus, N. J., sends us some flower spikes of his new canna, Seth Low. This variety should be a welcome addition to the dark foliaged section of cannas. The leaves are dark and distinct, and the flowers are of a good red tone, making a combination rarely found in this class of cannas. The segments are also of a good average size, and the blossoms are borne in profusion. It would seem that in Seth Low, Mr. Grundmann has originated a canna that is ornamental from either a flowering or a decorative standpoint. The variety, he says, is a cross between J. D. Cabos and Charles Henderson.

THIS WEEK'S SUPPLEMENT.

Magnolia Stellata.

The beautiful and grand display which magnolias make in early Spring is one of the wonders beheld by those who visit us from foreign lands. Besides the magnolias native to our shores we have culled from all climes all the sorts obtainable. Japan and China are to be credited with the most of those so attractive in early Spring, of the class which flower before the leaves appear. We had nearly said all the kinds, when the thought of the many hybrids and varieties raised in France, Belgium and our own country came to mind.

One of the gems of the collection of those flowering before the leaves appear is M. stellata, the earliest of all, and one which is unusually profuse of bloom. Not only has it these merits, but the flowers are sweet scented to some degree, and are semi-double. Still another recommendation is that before expanding the buds are of a light pink, a color remaining with the flowers to some degree after they expand. This pink shade enhances the beauty of the whole, with some flowers open, others in bud, and still others bursting.

There are two bushes shown in our illustration, one somewhat behind the other. Our artist caught them just as the whole of the buds were expanded, and before many of the flowers had fallen.

There is no use saying how many flowers are on the bushes. Our readers can judge if there are not thousands of them. The bushes are about 10 feet in height, and stand in Fairmount Park, Philadelphia, near the Horticultural Hall. The photograph was taken about the second week in April last.

One other merit commending this species to everyone is that it flowers when so very small. It is easily raised from layers, made from little shoots prepared in Summer, and these layers, rooted by Fall, will nearly always flower the next Spring, and it need not be said every Spring thereafter.

A position on a lawn, similar to the one afforded here, is the most suitable place for this magnolia. In April the grass is green around it, which makes contrast to the flowers. Do not place it where a light background will be given, such as a wall of white stone makes. If the wall be ivy-covered, to furnish green background, it would be the very thing. Such a mistake is not uncommon with many flowering shrubs and low growing plants.

This species, M. stellata, was known in cultivation for a long time as M. Halleana, and, in fact, is so known and listed to-day by many nurserymen. It is a true species, from Japan, not a variety, as is Soulangeana, Lennei, Norbeitana and some others. It is to be especially recommended for its early flowering, being the first shrub of all to bloom of those having such large flowers. It is in advance of the golden bell, a shrub, the flowers of which are usually looked on as proclaiming Spring. By planting it in a warm nook M. stellata is often in bloom with us in the first days of April.

JOSEPH MEEHAN.

Luther Burbank Honored.

Luther Burbank, Santa Rosa, Cal., the "Wizard of Horticulture," has received the semi-centennial gold medal for the California Academy of Sciences.

The award of the honor to Mr. Burbank was made by a committee consisting of William H. Mills, Professor Wickson, of the University of California, and Hon. Ellwood Cooper, president of the State Horticultural Society. The medal is donated to the society by former Mayor James D. Phelan, and is awarded semi-centennially to the person who has advanced the interests of agriculture to the greatest degree by the application of scientific principles and by his investigations.

The medal is inscribed as follows: "California Academy of Sciences. Awarded to Luther Burbank for meritorious Work in Developing New Forms of Plant Life. May 18, 1903. 1855-1903." Figures of Pomona and Flora crowning with a laurel wreath a man engaged in budding a young fruit tree occupies the reverse side of the medal. Santa Rosa's citizens are greatly pleased by the distinction which has come to Mr. Burbank.

The Late Alfred Bridgeman.

The death of Alfred Bridgeman, formerly a seedsman of New York City, which occurred on Wednesday, May 20, at his home in Newburgh, N. Y., removes one more of the few links now remaining that connect the old with the new horticultures of America. He formed one of the galaxy of famous men who laid the foundation of the industry, whose names shall remain imperishable in horticultural annals, taking his place on the trade's roll of honor with Henderson, Elliott, Buchanan, Wilson and others of the pioneer horticulturists who all have crossed the bourne.

It is particularly interesting at this time, when New York City is celebrating the two hundred and fiftieth anniversary of its incorporation, to recall the condition of Manhattan when Mr. Bridgeman and the others named first began operations in their chosen calling. In his boyhood days a creek set in from the Hudson River at what is now Tenth street, and went up as far as Broadway, or the Bloomingdale road as it was then called. Often when down at what is now 21st street, then called Lovers' Lane, the boys went in to swim in the Hudson. Union Square has been cut down twenty feet since Mr. Bridgeman was a boy, and between 16th and 17th streets there stood in Union Square the old Spingler farmhouse, in front of which was a large country store, with hay scales at the door. The old Spingler farm included the ground from 14th to 18th streets. Where Arnold & Constable's store now is there was a large sugar refinery—on the Bloomingdale road side—and on the Fifth avenue side was a duck pond.

Mr. Bridgeman retired from the seed trade several years ago, but his name is still retained by the owner of the 19th street store.

The deceased gentleman took a great interest in church matters and for a quarter of a century and till his death held the position of trustee of the First Presbyterian Church of Newburgh. He was president of the Society for the Prevention of Cruelty to Children for eighteen years, and for a similar length of time was treasurer of the Society for the Prevention of Cruelty to Animals.

Full of years he has been called to his rest, having served his day and generation faithfully and well.

The French Bulb Situation.

Editor Florists' Exchange:

I read with interest the article, entitled "French Bulb Situation," in your issue of May 16. I also noticed in The American Florist, issue of May 23, a criticism on your article. It seems to me, however, that the position the writer of the "French Bulb Situation" takes is pretty nearly correct.

I know, personally, that florists are not buying French Roman hyacinths in anything like the quantities they did a year ago. One large florist, who usually buys from fifty to one hundred thousand, recently told me he could not afford to plant, as he could not make profit out of French Romans, if they cost him more than from $24.00 to $25.00 landed at his place.

More than one of the largest bulb dealers in the United States have informed me that their experience this year, in the matter of French bulbs, is practically the same as my own.

It may be that the two writers view the situation from different standpoints, and have conflicting interests. Allow me to suggest that you ask your readers, who are growers, for an expression of opinion as to what they can afford to pay for White Roman hyacinths of 12 to 15 centimeters and make a reasonable profit under average conditions. Also, if the present prices continue to obtain, what proportion of their average planting are they likely to make this season.

I think that information of this kind would be of some service to most of the importers this year, and perhaps show the Frenchmen what they may expect in the way of business.

ARCHIBALD SMITH.

Boston.

P. S.—Has the critic sent his order for the usual number at the 100 franc price?

World's Fair Rose Garden.

A million roses will bloom at once the vast rose garden at the World Fair, St. Louis. That is guessing, course, but the foundation of the gue is this: Four acres are set to stro and vigorous rose trees. Thirty of t largest exhibitors have sent the choicest stock and each will strive f first place in the judgment of the ju and people.

This vast rose garden, with its 50,0 rose trees, lies east of the great Pala of Agriculture. The planting was b gun early in April. The garden occ pies one of the conspicuous sites in t City of Knowledge. The center of t garden is at the main entrance to t Palace of Agriculture, a grand stru ture 1,600 feet long and 500 feet dee It is on a high elevation overlooki the group of main buildings of the E position, and, looking to the northea a splendid view of one of St. Lou most attractive residence districts spread out before the eye.

When the graders finished their wo and turned the site over to the ga deners, every vestige of soil had be removed, and a broad expanse sticky, yellow clay remained. T ground was platted with a series eight collections, forming a great ova 150 feet long and 100 feet wide, as t central picture. In the center of th oval is erected a statue of the Godde of Flowers, in heroic size. Flanki this oval on the north and south a two great collections, triangular form. Scores of other collections la out in plots of ground in vario shapes, but all conforming with t general harmony of the main pictu have been provided.

Each collection, while separate a distinct in itself, forms a part of great and artistic whole, and a belt beautiful green lawn, from four eight feet wide, surrounds each colle tion. Spacious gravel walks are pr vided throughout the entire four acr of roses, and at various intersectio beautiful fountains, sending streams of water and cooling the a mosphere, are to be met. Seats to a commodate thousands of visitors ha been provided and the seats are distributed as not to interfere wi the free passage through the garde of the countless thousands who w revel in the glorious sight.

For each collection excavations inches deep, of the form and size r quired for the collection, were dug the sticky clay soil. Then the excav tions were filled in with rich top so and sandy loam. A dressing of fe tilizer, of the kind best adapted to t requirements of the particular ro tree collection, was spread and the came the work of putting in the youn plants.

Most of the 50,000 roses now plante are of the hardy or semi-hardy vari ties, but many of the varieties th are not supposed to stand the rigors a St. Louis Winter are among th specimens shown.

The planting of this mammoth ros garden was done under the persona supervision of Joseph H. Hadkinso who, under Frederic W. Taylor, Chie of Agriculture, has charge of this out door exhibit.

Carnations Planted in 1903.

We present on pp. 622-3 a table show ing the varieties of carnations plante in the field the present year, compile from information received from th principal carnationists throughout th country.

Though not as complete as we woul have liked it to be, owing to the fac that several of the growers addresse failed, to date, to respond to our in quiries, still the table furnished is no without value. It gives a fair representation of what are considered the best varieties for commercial purposes, each one's especial merit in the opinion of the planter being demonstrated, more or less, by the number set out.

We tender our thanks to the firms who have given so freely the data we were in quest of.

"American Gardening" has been pur chased by Messrs. Thos. B. Meehan, of Germantown, Pa.; C. L. Yates, Rochester, N. Y.; James McHutchison and D. W. Wittpenn, of New York City. The publication will be continued in New York City on much improved lines, with Leonard Barron as editor. It is expected that the first number under the new regime will appear Monday, June 1, 1903.

Obituary

Harry C. Harris.

In the death of Harry C. Harris, which occurred at Carlsbad, N. M., on May 14, 1903, Colorado City and the trade have lost one of the most enthusiastic horticulturists in the West. Four years ago, Mr. Harris, who had, prior to that time, devoted considerable time and effort to the improvement of sweet peas and other annuals, of which he raised a very large collection, founded the El Paso County Horticultural Society, and had ever since been its president and the most active worker among its membership. The society has attained great proportions during the few years it has existed, and now numbers among its members some of the most wealthy and influential people in Colorado. Both owners and employees have ably assisted the work carried on under the direction of Mr. Harris.

A delegation of the society met the train at the depot and conducted the remains to his former home. Loads of plants and cut flowers of all kinds were massed about the casket and in the main rooms of the house.

Mr. Harris left Colorado to assume charge of large properties in the fruit belt of New Mexico, known as Pecas Valley. Not long ago, in making his rounds of inspection, he was thrown from his horse and, in addition to a broken leg, sustained a fracture of the skull which resulted in death.

The funeral was held Sunday, May 17, from the First Presbyterian Church, which was beautifully decorated. The casket was covered with wreaths of orchids and several carriage loads of designs were arranged about the bier and on the front seats. Sweet peas, the favorite flowers of Mr. Harris, were in great profusion, orders having been sent to Denver and Pueblo for all that could be obtained.

Alfred Bridgeman.

As mentioned in last week's issue, Alfred Bridgeman, a pioneer seedsman of New York City, died at his home in Newburgh, N. Y., on Wednesday, May 20. The funeral was held on Friday afternoon, interment being in Cedar Hill Cemetery.

Alfred Bridgeman was born at Kimbery, near Oxford, England, June 6, 1818. His mother lived to reach the unusual age of one hundred and two years. Mr. Bridgeman's parents came to America in 1820, bringing with them five children. In England the elder Bridgeman had been a manufacturer of sail cloth and filled large contracts for the Government during the Napoleonic wars. The wars over, his father for a little while was engaged in some East India trade. This not proving profitable, the family came to this country. Four more children were born in America.

After settling in the United States, the father took up floriculture and agriculture, and for those days became quite prominent as an author of some essays and small books on flowers and kindred subjects.

Alfred Bridgeman, when eighteen years of age, thought of going with a classmate to Houston, Texas, but his father offered him an interest in the business when he should become twenty-one if he would remain at home and devote himself mainly to the study of floriculture. He decided to accept his father's offer and the elder Bridgeman bought four acres of land on Broadway, New York, between 18th and 19th streets, extending back to Third avenue, crossing Fourth avenue, then called the Bowery. Broadway at that time, about 1838, was known as the Bloomingdale road. The father died in 1850.

In 1842 Alfred Bridgeman bought out the nursery part of his father's business, and in connection with it established a seed business. In 1848 he bought in what is now known as Astoria, in the Borough of Queens, five acres of land to carry on his business. In 1853 he bought from his father's estate the entire business. In 1869 he went to Newburgh and bought from Charles Downing his nursery property on Grand avenue.

THE LATE ALFRED BRIDGEMAN.

Mr. Bridgeman was married in 1846 to Martha King, of Brooklyn, a daughter of Gamaliel King, a celebrated architect and also a legislator. He designed the Academy of Music and other public buildings in the city of New York.

Mr. Bridgeman had five children. Their mother died in May, 1898.

Deceased was a trustee and afterward, for many years, the president of the Cedar Hill Cemetery Association, in which from the very beginning he took a very active interest. Very much of the improvement to the cemetery in the way of arboriculture and the adornment of the grounds generally were due to his taste and experience. He was also connected with several financial and other institutions. He served for six years as first lieutenant in the Third Artillery of New York State when William H. Seward was Governor and Rufus King was Adjutant General.

As for his extensive business interests in New York City, Mr. Bridgeman rented his Astoria property to a firm of German florists. He gave up his Broadway store and went to the 19th street store, where business is still conducted.

Mr. Bridgeman having been reared in New York had many interesting reminiscences of the city as he knew it when a lad.

Three years ago a beautiful illustrated book was published on the occasion of the 75th anniversary of the founding of the seed house.

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange will publish every week voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

Bobbink & Atkins, Rutherford, N. J.—Our advertisement covers this week two consignments of palms, bay trees, araucarias and ficus, which we have received within the last two weeks. These consignments are the largest that have ever been brought to America by one firm in two shipments. The stock filled four lighters and fourteen cars. It has arrived in splendid condition and is worth any one traveling from California to Rutherford to see.

C. A. V. Frith, Hamilton, Bermuda, says: The Lilium Harrisii crop will be 30 to 40 per cent. below the average in quantity the coming season. I am pleased to report that my bulbs are in a thrifty condition, and promise a fair crop, owing, I think, to careful selection of stock and good cultivation.

A. & G. Rosbach, Pemberton, N. J., say: We call attention to the fact that we have been growing Semple's asters for a number of years, and by proper selection and making a specialty of this line are in position to serve patrons in the best manner in large or small quantities.

John Scott, of Brooklyn, N. Y., says: The Nephrolepis Piersoni which has been advertised at $30.00 for sixty should have been $30.00 for FIFTY. See corrected advertisement in this issue.

I would also like to say that my cannas are in first-class condition.

Important Notice.

The exhibition of the Chrysanthemum Society of America will be held in the Herald Square Exhibition Hall, Herald Square, New York. This is a new hall, with an abundance of space and magnificent light, and most centrally located. Intending exhibitors will please note the change in the place of holding the exhibition.

FRED H. LEMON,
Secretary C. S. A.

Hail Notes.

The establishments of J. C. Rennison and J. R. Elder, of Sioux City, Ia., were struck by hail on May 18. The Florists' Hail Association will have to pay for about 20,000 feet of glass.

The American Peony Society will meet at the Hotel Cadillac, Detroit, Mich., on June 11, 1903, at 7.30 p.m.

DENVER, COL.—The Grand Junction Seed and Nursery company has been incorporated; capital, $30,000; G. J. Carpenter, John E. Moore and Frank R. Davis are the incorporators; principal office, Grand Junction.

INDEX OF ADVERTISERS

Agnew P J........609
Allen J K........625
Amling E C........627
Anderson & Christensen 610
Andorra Nurseries ..606
Aschmann G 624
Atlantic Coast Nurs 607-09
Austin H 606
Bader J 610
Baker W J 626
Bartram J H 608
Bassett & Washburn.612
Bayersdorfer H & Co 630
Beach Jas E........608
Beaulieu H 605
Beckert W C 605
Berger H H & Co..604
Bernheimer E 626
Berning H G........627
Blaauw J & Co......607
Blue Hill Nurs......607
Bobbink & Atkins..603
Bock W A........610
Bonnot Bros 625
Bornhoeft I H.......611
Boston Letter Co....628
Bradshaw & Hartman 625
Brenneman J D....609
Brooks E F........615
Brown Bros Co.....607
Brown E C & Co...609
Brown P 615
Burpee W A & Co..604
Byer Bros 614
Caldwell the Woodman 624
Cal Carn Co 604
Carmody J D........629
Cavanaugh Mrs M...612
Chicago Carn Co.....608
Chinnick W J......612
Clucas & Boddington 603
Coldwell Lawn Mower Co 630
Conard & Jones Co.609
Connell B 614
Coolidge Bros 614
Coombs J 611
Cottage Gardens 614
Cowee A 604
Cowee W J........628
Cowen's N Sons......628
Crabb & Hunter....609
Craig B & Son......611
Crooke J J Co......624
Crowl Fern Co......624
Cunningham J H....615
Cut Flower Ex.....625
Dailledouze Bros ...614
Davis A B & Sons.604
Deamud J B 627
Deming Co 628
De Witt P M......609
Dietsch A & Co....628
Dietrich C P & Bro.609
Diller Caskey & Co.628
Dillon J L.......608-14
Dillon G'house Mfg.630
Dimmock A 610
Dorner F & Sons Co..614
Dreer Hy A...606-08-28
Dumont & Co.......626
Eichholz H 614-15
Eisele C 630
Eisele J G........611
Eisele W G........606
Elizabeth Nurs Co..605
Elliott W & Sons....604
Elliott W H........603
Emmans Geo M......611
Endtz Van Nes & Co.607
Farquhar R & J Co.605
Fellouris A J.......624
Felthousen J E......615
F & F Nurseries....606
Florists' Hall Assn.630
Foley J 624
Foley Mfg Co......629
Foster L H........610
Frith C A V........604
Fry E R........608
Garland G M........629
Ghormley W 625
Giblin & Co........628
Good & Reese Co....612
Gullett W H & Sons.624
Gunther W H.......625
Guttman A J.......625
Haerens Bros 611
Hagenburger C 615
Hammond B 630
Hammond J A.......625
Harris E 612
Heacock Jos 610
Herendeen Mfg Co...620
Herr A M........609
Herr D K........615
Herrmann A 630
Herzog W S 612
Hews A H & Co....630
Hicks & Crawbuck...625
Hilfinger Bros 628
Hill E G & Co......627
Hill Top G'houses...614
Hillborn W T.......609
Hippard E 628
Hitchings & Co....630
Holton & Hunkel Co.627
Horan E C........625
Hor'l Advertiser 628
Howe J H........624
Hughes G J.......609
Hunt E H 627-28
Igoe Bros 614
Jackson J H.......628
Jackson & Perkins Co 610
Jacobs S & Sons.....629
James R H........604
Jennings E B......609
Jessamine Gardens..607
Johnson & Stokes...605
Jones H T........606
Joosten C H........614
Kasting W F.......626
King Cons Co.......630
Koster & Co........607
Kreshover L J......624
Kroeschell Bros Co..628
Lager & Hurrell....610
Landreth D & Sons 605-06
Lang J 625
Langjahr A H......625
Lawritzen C 615
Limbach C 628
Livingston Seed Co..630
Lockland Lum Co..629
Lord & Burnham Co.629
Lovett J T.......615-24
Mader P 609
Manhattan Sup Co...613
Mathews G P.......614
Mauger W & Sons..605
McCarthy N F & Co.626
McFadden E C......624
McManus J 625
Michell H F........605
Moninger J C Co....629
Moon S C........607
Moon Wm H Co....607
Moore, Hentz & Nash 625
Mosbaek L 609
Muno J 627
Myers & Samtman..608
Nat Board Trade....624
National Plant Co..608
Neff L I........614
Neipp G F........615
[illegible]stonville Avenue G'houses 608
N Y Cut Flower Co.625
Niessen L 626
Ouwerkerk P 607
Pankok & Schumacher 610
Peacock S S......610-26
Perkins J J........625
Phila Market 624
Pierce F O Co......628
Pierson F A........612
Pierson F R Co..603-11
Pierson F R & P M..612
Pierson Sefton Co ..630
Pinehurst Nurseries 607
Pittsbg Cut Flow Co.626
Pratt Bros 605
Pollworth C C Co....627
Quaker City Mach Co 628
Rawlings E I......609
Rawson W W & Co.604
Raynor Mrs S H.....609
Raynor J I........625
Reed & Keller......604
Reck & Son 610
Reid Ed 626
Reinberg Peter 608
Reuter S J........608
Reynolds J L Co....624
Rider Ericsson Engine Co 629
Riedel & Co........625
Robinson H M & Co.624
Roehrs J 610
Roemer F 609
Rolker A & Sons....611
Roney Bros 612
Rosbach A & G.....609
Rupp J F........604
Salter W H........608
Saltford Geo 625
Sander & Son 610
Schmidt J C......606-09
Schmitz F W O....605
Schultheis A 610
Scott J 611
Shellr'd G'houses ...615
Shepherd Mrs T B Co 606
Sheridan W F 625
Shurtleff J B........609
[illegible] Bros 627
[illegible] E S Jr........625
Smith C 625
Smith N & Son.....615
Smith W & T Co....608
Smith W C........624
Soltau C 610
Springfield Floral Co.612
Stahelin H 609
Stern J 624
Stearns A T Lum Co.628
Steinhoff H C.......614
Stoothoff H A Co....621
Storrs & Harrison Co 611
Stumpp & Walter Co 604-14
Sutherland G A.....626
Swayne W 615
Syracuse Pottery Co.628
Taylor E J........608
Thompson J D......614
Thorburn J M & Co..605
Tobacco W & T Co.628
Towell J 611
Traendly & Schenck.625
Vanhorne, Griffen & Co 628
Vaughan's Sd Store 605-06
Vesey W J & M S..615
Vick's Jas Sons.....604
Vincent R Jr & Son 606-15
Weber C S & Co....628
Weber H & Sons....614
Webster Bros 621
Weeber & Don......605
Welch Bros 626
Weston H 610
Whetstone & Co....625
Whilldin Pottery Co.624
Wietor Bros 627
Winterich C 609
Winterson The E F Co 627
Wood Bros 615
Young J 625
Young & Nugent.....625
Zimmer Chas 615

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS.

Abutilon ...603-11-15-30
Acalypha 612
Achillea 606-12
Achyranthes 615
Ageratum ..608-09-12-14 15-30
Alpine Plants 607
Alternanthera .609-12-15
Alyssum 603-09-10
Ampelopsis 607-08
Anemone 611-12
Anthemis 615
Anthericum 611-30
Aquatic Plants 606
Araucaria 609-10
Asparagus ..603-04-08-09 10-11-12-15-24
Asters 609-15
Azaleas 607-11-14
Bedding Plants 615
Begonias 609-11-12
Berberis 607-24
Bougainvillea 611-12
Box 603-06-07-10
Bulbs (not named) 605-14-27
Caladium 603-12
Calceolaria 604
Callas 604
Campanula 603
Cannas ..603-05-08-09-11 12-14-15-30
Carnations ..610-11-14-15
Centaurea 609-15
Chrysanthemums 606 08-09-11-12-14-15
Cinerarias ..604-05-06-15
Clematis ...606-07-12-30
Cobæa 614-30
Coleus 608-09-10-11-12-14 15-21
Conifers 606-07
Coreopsis 603-06
Cosmos 609-15
Crotons 611-12
Cuphea 608-12-15
Cut Flowers 624-25-26-27
Cycas ...604-05-06-11-14
Cyclamen 609
Cyperus 612
Daffodils 605
Dahlias 603-04-15
Daisies 603-04-09-12
Decorative Plants ..611
Delphinium 606
Dielytra 607
Digitalis 603-06
Dracæna 603-10-11-12-15-30
Echeveria 630
Evergreens 607-24
Fern Balls .603-05-12-14
Ferns .603-10-11-12-15-24
Feverfew 615
Ficus 603-10
Fuchsias .603-08-09-12-15
Funkia 610
Gaillardia 603-06
Genista 609-12
Geraniums 603-05-08-09-11-12-15
Gladioli ....-604-11
Grasses 611
Helianthus 606-12
Heliotrope 612-15
Hemlock 606
Herbaceous Plants..607
Hollyhocks 608
Honeysuckle 612
Hydrangeas 607-08-11-12-15-30
Impatiens 612
Ipomœa 612-15
Iris 607
Ivy 603-10-11-15-30
Jasmine 612
Lantana 630
Lemons 610-12
Lilacs 607
Lilies 604-07
Lobelia 603-09-11-30
Lychnis 606
Madeira Vine 603
Myosotis 603
Narcissus 605
Nasturtium 603-09
Nursery Stock 607
Orchids 610
Palms 603-04-05-07-10-11
Pansy .604-05-09-10-11-12
Pardanthus 606
Pelargoniums 615
Peonies 607
Periwinkle 630
Petunia 609-15
Phlox 603-09
Primula 604-05-12
Privet 606-07
Rhododendron (606-07-11
Roses .603-06 07-08-09-11 12-15-21
Rudbeckia 606-12
Salvia 608-09-10-11-12-15
Sanseviera 608
Santolina 606
Seeds (not named) 604-05-27
Shrubs 606-07
Small Fruits 607
Smilax 606-09-12-24
Spiræa 607-28
Stevia 614-15
Sweet William 603
Trees ...603 05-06-07-10
Tritoma 612
Tuberoses 603-05
Vegetables 605 06-11
Verbena 603-09-10-11-12-14
Vincas 608-09-11-12
Vines 606-12-30
Violets ..608-09-12-15-30
Wistaria 607
Yucca 607-15
Zinnias 609

MISCELLANEOUS.

Auctioneers 626
Baskets 603-04
Boilers 628-29-30
Books 626
Cut Flower Boxes..630
Decorative Greenery.624
Designs 624-26-27-30
Fertilizers 624
Florists' Letters ...626
Fittings 628-29-30
Florists' Supplies 604-24-26-27-30
Flower Pots, etc. 624-26-28-30
Galax 624
Glass 628-29
Glazing Points 628
Greenhouse Bldgs 628-30
Gutter 628-29
Hall Insurance 630
Insecticides ...621-28-30
Lawn Mowers 630
Lumber 628-29
Mastica 628
Mushroom Spawn ..604
Newspapers 628
Painters' Supplies ..628
Pipes, Joints and Valves 628
Pumps 629
Rustic Work 604
Sash 628-29-30
Sprayers 609-28
Stakes & Supports..614
Tile 628
Toothpicks 628
Ventilators 628-29-30
Wax Flowers and Designs 624

Editor Florists' Exch.
QUESTION BOX

Clianthus Dampierii.

(114) Can you give me any information on Clianthus Dampierii? I have sowed some seed of Dampierii and puniceus, and what I want to know is, can Clianthus Dampierii be grafted on puniceus; and how large has C. Dampierii to be before cutting it off for grafting. How long will it take the cion to unite? What kind of graft is most used? Is a rose house temperature too cool for it? J. R.

—Clianthus Dampierii will unite with C. puniceus. The latter should be not less than one-eighth of an inch diameter in the stem before being used as a stock. The cleft-graft will be found the best. The cion should consist of the tops of the seedlings at any stage after the first leaves appear. Greater care is necessary when the seedlings are used as cions, with only one or two leaves, besides the cotyledons, than if a piece of a well-developed branch is employed. The union will take place within three weeks if the grafted plants are kept in a close and shaded frame. G. W. O.

Snails Attacking Carnations.

(115) J. L. O'Q. & Co.—Evidently it is snails that are eating the carnation buds; and it will be advisable to give the surface of the soil on the benches a good dressing with air-slacked lime, repeating the same every few days. It will also be well to take a lantern at night and look over the plants closely, picking off the snails found and destroying them.

Brown Spots on Violets—Aphis on Roses.

(116) R. H.—We can hardly determine what is the cause of the violet leaves becoming spotted, from the meagre information supplied. It will be well, however, to pick off all the affected leaves. For the thrips that are infesting the roses, syringe well with Ivory soap and water, once a day, until the bushes are perfectly clean.

Solanum Capsicastrum.

(117) Enclosed please find a plant of Solanum capsicastrum. We have quite a number of them and are now shifting them. Please let us know how to treat them, so they will produce berries by Christmas. Shall we allow them to blossom now or cut them back? W. & N.

—The Solanum capsicastrum does not require to be grown in pots all Summer. A much better method is to plant them outdoors, let them grow naturally, without any pinching, and they will make nice bushy plants. In the Fall, when the berries are set, and the nights begin to get cool, lift and pot the plants carefully; shade them from the sun for a few days and they will be all right for Christmas if kept in a moderate cool house. These plants are apt to become infested with green fly too much, if grown in a greenhouse all Summer.

Queen of Edgely Rose.

(119) Can you give me any information regarding the Queen of Edgely rose, its forcing qualities, and demand for the flowers? W. A.

—The Queen of Edgely is a good forcing rose about equal to the American Beauty, which it resembles in all respects but color, being much lighter than that of American Beauty. Since this rose has been placed upon the market the demand for the flowers has been pretty fair, better than last year, especially in Philadelphia and Boston, where it is seen in the largest quantities. To grow this rose successfully give it the same treatment as American Beauty. PENN.

BRIEFS FOR BUSY FLORISTS.

CINERARIA STELLATA.—This cineraria is well adapted for the purpose of commercial growers, either for cutting or for decorative work. This is a good time to sow a packet of seed. When the seedlings get large enough to handle, put them into small pots; and if a frame with a northern aspect is available, grow the cinerarias there during the warm months, potting them along whenever necessary. So long as the soil used is rough and porous, the plants will grow and thrive; but should a fine soil, that is liable to pack together, be used, there is not much chance of success. When well grown, these cinerarias will have a flower spread of two or three feet, and are a very welcome addition to our Spring flowering plants.

PRIMULAS.—If the seed of these has not yet been sown, no time should be lost in doing so. Give the soil a good watering a few hours previous to putting in the seed, then there is no danger of washing the seed out of place.

POINSETTIAS. — The old plants, from which a batch of cuttings can be taken later on, may now be planted outdoors. See that they get a little water occasionally, and do not allow the young wood to get too hard before the cuttings are taken, as they do not then root so easily.

CHRYSANTHEMUMS. — For plants that are required to flower in six or seven-inch pots, the present week is a good season to put in the cuttings; and if kept moist and heavily shaded, there will be no trouble in rooting them, even should the weather be unusually warm. Planting on the benches is now in order, and when putting in the soil, the percentage of manure need not be so large, as the feeding can be done later and to better advantage when the plants have exhausted the soil somewhat and are growing freely.

VIEW IN SCOTCH ALPINE GARDEN

Showing good clump of Iberis superba

PANSY FIELD OF PETER BROWN, LANCASTER, PA.

Begonia Gloire De Lorraine

This is one of the most useful of our Winter-flowering begonias, and well worthy of the attention it requires. To have good plants to flower by the month of October, cuttings should be put in at once. Choose good, sturdy cuttings from the base of old plants, top cuttings being of little or no value, as they only run away to flower and never break away freely. Insert three to four cuttings round the side of a thumb pot, water and plunge in a bottom heat of 75 to 80 degrees; keep close and shade from bright sunshine. In about three weeks' time they should be sufficiently rooted to allow a little air to be afforded them. This may be done by tilting the lights of the propagating box a little for a few days, after which they may be stood on a shelf near the roof-glass, and kept shaded. On no account should they be allowed the bright sunshine, as this is often the cause of sickly, stunted plants.

In a few days they should be ready for potting off singly into 60 pots; in doing so, choose good fibrous loam and leaf soil, equal parts, with enough silver sand and crock-dust to keep the whole porous. In potting, press the soil moderately firm with the thumb and finger, eschewing the rammer. From now onward the plants should be grown in a warm pit, having a temperature of 65 to 70 degrees. Admit air when the weather is favorable, closing them up about 3 p.m. with plenty of atmospheric moisture, still leaving the shading on until 5 p.m. They need but little water at the roots; about twice a week will suffice if the plants are kept lightly shaded as advised above. Keep all flowers picked off them until such times as they are wanted to bloom, which with me is about the first week in October.

Plants grown under this treatment should, by the month of October, have attained the height of 3 feet and 2 feet through them.—Charles Harding, in Gardening World.

Iberis Superba.

This perennial candytuft is a most valuable hardy subject. On rockery, in herbaceous borders, or the margin of shrubbery, it is equally at home. The iberises are of the easiest cultivation, thriving in any ordinary garden soil. Their growth is of a somewhat shrubby nature, and the foliage evergreen. Iberis superba, which is a variety of I. sempervirens, is one of the best, having flowers larger than those of the species. The accompanying photograph is of a view in the rock garden of the Royal Botanic Gardens, Edinburgh, Scotland—a garden that is famed for its collection of hardy plants—and shows a good clump of this choice hardy iberis. W. H. WAITE.

Lilies in Bermuda.

Editor Florists' Exchange:

During my annual visit to the Bermuda Islands this year I found the lilies in not as good condition as last year. There seems to be a yearly increase of a mixture of longiflorum and hybrid lilies, owing to the fact that some of the growers do not seem to know the difference between the L. Harrisii and the hybrid. The longiflorum and the hybrid produce more bulblets, which are healthy and more vigorous looking than the bulblets of the L. Harrisii, consequently more of the former are planted than of the L. Harrisii.

On the other hand, some of the growers are taking great pains to select and grow the good true Harrisii lilies, discarding all the mixture; but they are becoming discouraged on account of the growers of mixed stock receiving the same price as they do for their selected Harrisii bulbs; and some claim that it does not pay them to grow the true L. Harrisii and then dispose of it at the same price as the mixed stock brings.

Those growers who are making every effort to bring the Lilium Harrisii back to its old time form of years ago, should be encouraged more, so that they may continue their good work, and the growers of mixed stock should be fully informed of what the American florists want.

There has been a larger acreage of lilies planted this year than last year, and from my personal observation I find 50 per cent. are of a mixture.

H. C. STEINHOFF.

New Jersey.

Some New Plants.

DRACAENA KEWENSIS.—This is an excellent house plant, hard and vigorous; and retains its foliage to the base for a long period. It is destined to become one of the finest market plants, being adapted to all kinds of decorative work, both in small or large plants.

SELAGINELLA WATSONIANA.—A very promising plant for the trade; most useful for all kinds of decorative work, small jardinieres and for edging of groups, etc. The foliage is deep green, with silvery white tips.

FICUS PANDURATA.—A striking plant, very vigorous constitution; foliage leathery and deep green. Its stately habit will make it most desirable for decorative conservatory use. A. DIMMOCK.

Field of Pansies for Seed.

The accompanying illustration shows a field of pansies Mme. Perret and Masterpiece, grown for seed by Peter Brown, Lancaster, Pa. Mr. Brown's new seed will be ready, he says, by the first of July.

Review of the Past Season's Palm and Decorative Plant Trade.

By WM. H. TAPLIN.

ie season for this department of the ness being practically at an end, is been suggested that some notes be experiences of the past season the possibilities of the future in class of plants would not be with- interest to the readers of The Flor- Exchange.

nearly all the prominent plant kets of our country there has been althy demand for decorative plants ng the past season, and stock of quality has been fairly well ied up, though without any mate- increase in prices.

occasional instance of slow de- d for palms has been noted, but it iite possible that some special and cause may have contributed to uce such an effect.

w York, Philadelphia, and Chicago g the centers of wealthy population advanced life, are naturally the test markets for fine plants, while on, Buffalo, Pittsburgh and sev- other cities each provide a great t for decorative plants; and as rade advances it is well to remem- that no single firm can control all trade, and that there is still room ie top.

rge specimen plants have been in demand, and there being no over- at the present time, it would to be impossible that there should surplus next Winter, especially in kentias. These last continue to he favorites of the decorator, not for their graceful habit, but also their enduring qualities, and al- gh there has been an immense ber of kentias distributed about the try in the past five years, yet there is to be room for good stock.

iny large plants are imported each on, but the costs of importation added to the original price makes such plants a questionable investment, even without considering the risk of injury in transit, and there seems to be no doubt but that the importations of decorative plants are not keeping pace with the enlargement of the trade.

And this condition is not to be wondered at when we take into consideration that the costs of importation on stock of this character range from 45 per cent. to 75 per cent. of the original price of the plants, a sufficient handicap to make a grower hesitate about ordering, even though he may be short of plants of a certain size.

Areca lutescens is still largely used for decorative purposes, for we have no other quick-growing palm that is so ornamental for such use, and at the present time the larger sizes, for example, those in 8-inch, 10-inch, and 12-inch pots, are not in great supply, though 6-inch arecas will probably appear in sufficient quantity for next Winter. Areca lutescens is seldom imported from Europe, owing to the fact that our climate suits this palm so much better that the European plants suffer by comparison.

Latania borbonica is possibly a little less in demand than a few years ago, but stocky and well-grown plants in 6-inch and 8-inch pots find many purchasers, and are really the ideal palm to a great many people. A large number of latanias was imported a few years since, but very many of them were extremely lanky and also had so many imperfect leaves that they could only be used for rough decorating, and thus proved but a poor investment in many cases.

The phœnix in general are rather slow sellers, even so graceful and beautiful a plant as P. rupicola failing to appeal to many plant buyers; but P. canariensis has been imported largely of late years and is really an admirable decorative subject. This phœnix does not always travel well from Europe, the Spring importations arriving in the best condition generally, but during the past season the market has not appeared to be able to absorb all the P. canariensis that were offered, and consequently the prices have ruled too low to be profitable. The extreme South and the Pacific Coast, especially that of Southern California, utilizes a considerable number of phœnix for outdoor planting, but, of course, growers are also able to raise the seedling plants there with very little effort and can, to some extent at least, supply their own needs in this particular

Small Cocos Weddeliania for table decoration have been used up quite closely the past Winter, and it does not seem probable that the market can be overloaded during the coming season, for there have been no bargains offered in cocos seeds this year, owing, in part at least, to the failure of the Brazilian crop—a crop upon which most of our growers depend.

Some years ago there were many Seaforthia elegans and Ptychosperma Alexandræ offered by the various growers; now there is but a very limited market for these palms; and the same may be said of Areca sapida and A. Bauerii, the kentias and Areca lutescens having crowded them out.

Livistona rotundifolia is slow in sale in large sizes, but up to 6-inch pots may be considered good stock to have, provided the plants in question are clean and in good condition.

Corypha australis and Chamærops humilis were also prominent in the days that are gone, but both these palms are rather slow in growth while in the small stages, and have been outstripped in popularity by Latania borbonica.

Aspidistras, both green and variegated, will always have a place among the salable stock, these plants being not only ornamental, but the toughest and most gas-proof subjects offered by the trade. The aspidistras are also imported in considerable numbers, simply because the home grower has been utilizing his space to better advantage in other ways, though the imported plants count up in cost quite rapidly and probably could be just as well grown here.

The "rubber trade," as the dealings in Ficus elastica are sometimes referred to, appears to have been stretched beyond the limit the past season, and while the vast stocks of this ficus seen last Autumn seem to have been distributed, yet many of them were sold at very low prices, and some of the larger growers are reducing their acreage, so to speak.

The quantities of Boston ferns that have been produced seem to melt away during the Winter months, and as Spring comes on there is rather a scramble to find some really good 6 or 8-inch stock, and it would therefore appear that the demand for this most serviceable fern is not yet fully supplied.

Dracænas are more used than they have been, Dracæna terminalis taking well at about Christmas time, while D. Sanderiana is still in demand for small work. D. Godseffiana does not appeal to the trade to any great extent, and has had no boom thus far. Good plants of Ardisia crenulata were in demand last Winter, and may safely be recommended by the florist to his customers, in evidence of which we may cite a plant that has been in a dwelling from December 23, 1902, up to the present date, with scarcely the loss of a berry; but to maintain this condition requires a good watering every day.

DRACÆNA KEWENSIS.

Pandanus Veitchii continues to be a good selling plant in most cities, and there is seldom an over-stock of it, but the plants must be shapely and well-colored to endure the scrutiny of the plant buyer in our large cities. Pandanus utilis, and, in fact, all the green-leaved pandanus, are somewhat slow in selling, there being a very limited demand for such as P. caricosus and P. graminifolius.

The two most notable introductions of the year among decorative plants are doubtless the "golden pandanus," P. Sanderi, and Pierson's sport from the Boston fern, both of which are novelties of undoubted merit. That either of these plants will entirely displace their predecessors in their respective families seems improbable; but that each has great merit and will find many purchasers is a foregone conclusion, and the respective introducers of these two novelties may both be safely complimented on the success of their ventures.

W. H. TAPLIN.

FICUS PANDURATA.

SELAGINELLA WATSONIANA.

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Review of the Market

EW YORK.—The weather this week been much cooler and far better adapt- o the cut flower business than was the one week ago. As might have been ected, the heat brought along the s so rapidly that now, when business be said to be picking up, supplies beginning to get shy. Particularly is the case with roses, consignments which have decreased to a remarkable nt. There has, of course, been a cor- onding advance in values, especially ng the shorter grades of roses. Of esmaid and Bride there is quite a lot he stock that is mildewed; this ma- al is hard to unload at any price, and quoted figures on roses have little ring on that kind of stock. While each is about the ruling figure for ial grade blooms, there are occasional which bring 8c. each, as also have e good blooms of Kaiserin Augusta toria.

merican Beauty are plentiful enough, the percentage of special flowers ng them is very small; consequently, t grade, when obtainable, is realizing 0 per dozen.

ut-of-town orders for flowers for Me- ial Day have been for carnations fly, and for the colored kinds in nearly ry instance. White varieties are con- uently not averaging so well in price, ugh, of course, all carnations are sell- better than they have done for the t week or two, providing they are of sonable quality. There are some car- ions coming in that seem to have had much sunshine for their own good, and s no effort for them to fall asleep nding up; that grade of stock cannot be l at 50c. a hundred.

eonies have now become a chief fac- in the market, and there is a pleas- increase in their value over that of veek ago.

ily of the valley is going as high as 0 a hundred for good stock; and this de is easier to sell than is a poorer lity when offered at half that price.

llies are not over abundant, and there been a slight advance in the values of m. Sweet peas are selling better, ugh a huge quantity is coming in, and cy prices are out of the question. hids are not in much demand; sup- s arriving include Cattleya Mossiæ l Lælia purpurata; $3.00 per dozen is asking price for the best of either d. Hemerocallis are plentiful, and ely offered at $1.00 per 100. Marguerites bringing the same figure. Centaureas rn flower), white or yellow, are quoted $2.00 per 100. Fancy mignonette is over h, though there is a supply of small kes.

erns, smilax and asparagus are plenti- and no advance in price is noted.

he plant market at Clinton street is ng well spoken of this season by the wers who attend there regularly. The t in which the market is held has ven a safe shelter and business gen- lly has been very satisfactory. Indi- ions seem favorable for a permanent rket building to be erected on the site the old market. John Birnie has spared ither time nor money in trying to get city authorities to take up the mat- ; and if the building does go up it will ve been accomplished mainly through efforts.

HILADELPHIA.—The cut flower busi- ss shows a very encouraging change m that of the past few weeks; the ount of business being done is much ger, and prices are slightly better. ere appears to be a scarcity of choice ite roses. All other stock is in suf- ient supply. American Beauty roses, th long stems are being offered at m $2.00 to $3.00 per dozen, a few extra oice for shipping being held at $4.00. oice tea roses are held at from $8.00 to .00 per 100. The kind of stock mostly ught after is going at from $4.00 to $5.00 r 100. There is an oversupply of poor ck of all varieties of tea roses.

Peonies are selling at from $4.00 to $6.00 r 100 for general stock; a few extra oice varieties are held at $8.00 per 100. ile many buyers resent this latter price. e small quantity of extra choice flowers ered supports the firmer rate asked.

Sweet peas are not in quite as large pply this week prices ranging princi- lly at 50c. to 75c. per 100, some choice wers being held at $1.00.

Lily of the valley is in good demand, and selling at from $3.00 to $5.00, accord- g to quality.

Gladiolus are in good supply, going at .50 per dozen.

C. W. Cox is sending a quantity of ntaurea imperialis to S. S. Pennock; it lls well at $4.00 to $5.00 per 100. There s been a good demand for asparagus d smilax this week.

Wm. J. Baker is receiving the best ilax now seen here; it is not only good r this season but would have sold at n price in Winter. Geo. F. Christy is nding to this same firm some grand overnor Roosevelt carnations.

Edw. Reid is doing a large shipping siness in carnations; Wednesday at on he had orders to ship 30,000 the fol- wing day. DAVID RUST.

CHICAGO.—The condition of the market the past week has been anything but satisfactory. The price of everything has been very low; still values have not ruled as low as in former years at this season. There have been heavy supplies of all kinds of stock on the market, and the poorer grades have been sold at a sacrifice. American Beauty have moved fairly well, but at very low prices for the better grades, while the poorer ones have been sold at any figure to clear out. Bride, Bridesmaid, Golden Gate and Perle des Jardins have reached as high as $6.00 per 100 for the better grades, while inferior stock has been sold at what the buyers were willing to pay for it, the bulk going at $3.00 per 100 down. Tea roses are badly infested with thrips, and a great deal of sorting has to be done in order to sell the stock at anything like satisfactory prices. The supply seems to be shortening up considerably, and toward the last of the week prices will no doubt be higher for Decoration Day, although they will not exceed $6.00 to $8.00 per 100 for good stock. Liberty brings from $6.00 to $20.00 per 100.

Carnations have been in oversupply for the past week, and values, except for the fancier varieties, have not been what they should. Good shipping stock has held up fairly well and has brought from $2.00 to $3.00 per 100, but the majority has been selling for from $1.00 to $1.50. Some very low figures are reported by the thousand lots.

Sweet peas are in heavier supply than a week ago, with the quality better, but they do not seem to move as well as in former years. The price is from 50c. to $1.50 per 100.

Peonies are arriving in increasing numbers and selling at a fair price for the lighter shades; but there is not much call for the red varieties. The bulk are going at from 50c. to $1.00 per dozen. There is a large supply of shrubs and herbaceous stock on the market at present; these are bought up quite freely.

Smilax is coming in in larger quantities and is selling at from $1.50 to $2.00 per dozen.

Some single violets are to be seen, and some very fine lilies. The supply of the latter for Decoration Day promises to be fairly good. They are selling at from $6.00 to $8.00 per 100. Hardy ferns are very scarce and are fetching from $3.00 to $4.00 per 1000. The native wood fern is beginning to arrive and will have a tendency to relieve the situation. R. J.

ST. LOUIS.—Business is still very dull in every line but funeral work. Memorial Day, Saturday, should relieve the market of its great surplus of outdoor flowers. The first two weeks in June, when school graduations are in full blast, the trade should be good, and especially so with the West Enders, in which district all the large seminaries are located.

The market has still an oversupply of stock, which is of fair quality. The best call is for white flowers. Fancy stock, in small roses, has advanced a little and $8.00 per hundred is asked for them. Bride and Bridesmaid are among the best. Red roses, as a rule, come in full blown, and then are not salable. Kaiserin Augusta Victoria are coming in in fine shape and sell well. American Beauty are beginning to show the effects of the hot weather, and are soft; $2.50 and $3.00 per dozen is the price for the choice ones. Bride and Bridesmaid bring from $3.00 to $8.00 per 100; Golden Gate, the same figure. Souvenir du President Carnot are much sought, as are Kaiserin Augusta Victoria; these are selling for from $4.00 to $6.00 per 100.

Perle des Jardins are very soft and are now at $2.00 and $3.00 per 100. Plenty of these will be in the market to fill orders on Decoration Day.

Carnations are in pretty good supply and at times sell fairly well. The colored sorts are moving slowly. Flora Hill and Ethel Crocker, which are good keepers, have the call. The Marquis is fine for immediate use, but is not regarded as a good keeper. Other varieties are becoming small but are good in color. No price can be quoted on them in thousand lots; from $1.00 to $2.00 is asked for the best stock in hundred lots.

Peonies are coming in fine, but will soon be over; $4.00 is the price for the best. Cape jasmines are abundant at $1.00 per 100. Sweet peas are having a big call and not many are going to waste; the few that do are of odd colors, which do not sell. Katherine Tracy is the best seller; 40c. to 60c. is the price for the best. In thousand lots they can be bought a great deal cheaper, at a rate of 25c. per 100. The large supply of outdoor stock is shortening up, but there will be plenty for Decoration Day. Dagger ferns are abundant now; fancy ones scarce; new stock is promised soon. ST. P.

CINCINNATI, O.—Warm, sultry, with thunderstorms, are the weather conditions prevailing here. The past week has witnessed the worst glut ever experienced in this city. Stock arrived in bad condition, wide open, and in many cases heated, and worst of all, business was stagnated. There is no use talking about prices. This coming week we shall try and make some amends for the loss sustained last one. Cheap flowers are what the people want for Memorial Day, and from present appearances the stock will be cheap enough, in all lines, as this intense heat is playing havoc with it.
E. G. G.

BUFFALO.—Some spurts that came in during a general dullness has helped to work off a surplus of blooms, and most kinds are less plentiful. Indoor stock is rapidly taking on the poorer Summer quality. Carnations will no doubt be in active demand at Decoration Day, and for which, owing to many outdoor blooms usually relied on at this time, being done, a general shortage is presaged. Roses, too, are slackening up in quantity. Some nice sweet peas seem quite plentiful.
VIDI.

SAN FRANCISCO.—With few exceptions, florists characterize the market this week as slumpy; that buyers are not yet recovered from their floral surfeit incidental to extravagant indulgences last week in honor of President Roosevelt's visit; that many people have gone summering, and that, with the exception of roses, flowers are so superabundantly plentiful that price-cutting is making a shocking record. ALVIN.

ST. PAUL.—Spring, so long delayed, came on with a rush about ten days since, and now we are almost in Mid-summer. All vegetation has made wonderful growth and everybody in the trade has been exceedingly busy. It is needless to say that trade has been very good in all lines. The warm weather has forced everything into bloom at breakneck speed, consequently there is a large percentage of inferior stock being cut. Good flowers sell at good prices, but "roses, 50c. per dozen," is not an infrequent sign, while on Saturday last a prominent department store sold "roses at 20c. per dozen, carnations 10c.," and a grocery store, not to be outdone, actually gave them away. But these are incidents similar to those in every city's history, and we need not fear for the future. Good roses retail at $1.50 per dozen; American Beauty, $4.00 to $6.00; carnations, 75c. to $1.00; lily of the valley, 75c. Swanson had some very nice tulips the past week with 18-inch stems which retailed readily at $1.50 per dozen. Outside stock is coming along rapidly, so there should be a good supply for Memorial Day. Lilacs are nearly gone. The "four hundred" have been using them for center pieces at luncheons this Spring. Snowballs will be in bloom in a few days, but peonies will not be in before June 5.
VERITAS.

DENVER—Trade has been very steady for May. Stock is in very good supply, and the quality is good. Sweet peas are much in favor, and are used very much in table work, of which there has been plenty doing, though not anything large. The most notable event of the month was the reception at the Phipps residence, at which the decorations were quite lavish. Owing to the continued cold weather plantsmen report sales slow, and it will have to warm up considerably for a clean-up around Memorial Day. The supply of cut flowers for this holiday, while impaired to a certain extent by the absence of outdoor stock, will be good. Carnations, which are most in demand, will be more plentiful than in former years; roses also are to be had in good lots.
P. S.

PROVIDENCE.—Business in cut flowers has assumed a quietness, the more distressing on account of stock accumulation. It is a subject of congratulation, however, that notwithstanding the surplus there are only one or two street fakirs in evidence. This shows that the growers are not selling recklessly, and gives a better tone to the market.

The outlook for Memorial Day denotes a goodly quantity of carnations and roses, although the surplus cut will perhaps be past by that time.

All greens are in active demand, and it requires hustling to obtain a supply.

More florists will make an effort to obtain 75c. for the small bouquets at Decoration Day. C. S. M.

FIRMS WHO ARE BUILDING.

CANTON, MASS.—Benjamin F. McKechnie is erecting another greenhouse.

RANTOUL, ILL.—The Morris greenhouses are enlarging their plant by the addition of another house. Just now the firm is installing a system of steam water-works and piping water to all parts of their grounds.

ANAMOSA, IA.—Mrs. Charles Abbey has erected a greenhouse and engaged in the florists' business.

ANN ARBOR, MICH.—James Goodhew is building a greenhouse, 120x22 feet, for roses.

Chicago.

News Jottings.

The outlook for Decoration Day promises to be better than was anticipated. There is no doubt but that there will be a shortage of good flowers in the market, in rose and carnation lines, while the supplies of other stock will have a tendency to bring better prices. Some extra fine antirrhinum will be in; it is now selling for 50c. per dozen sprays.

The weather for the past few weeks has been rather dry and warm, but relief has been had in some fine rains. Until these came it was almost impossible to do any planting out, and what had been done was beginning to suffer for lack of moisture.

Monday, May 25, the city was visited by a heavy wind and rain storm. Some destruction is reported in the parks and drives.

The trade in bedding plant lines promises to be the heaviest ever experienced here, and already shortages are reported, especially in stock for vases and basket work. Vincas of the better grade are very scarce, and it is impossible to get salvias at any price.

The trustees of the Florists' Club, at the special meeting held May 18, reported that they would be compelled to find other rooms elsewhere. This will have a tendency to still further decrease the attendance, which is small enough as it is. The enthusiasm which used to prevail in the club is now lacking, for some cause or other.

The retail trade is reported as fairly good, notwithstanding the overstocked wholesale market.

The E. F. Winterson Co. filled one order last week for 500 strings of smilax.

A. L. Randall has got his new quarters fitted up in fine shape. He has installed a new icebox, and has a fine office with all the latest improvements.

G. L. Grant, editor and manager of the Florists' Review, has gone, with his family, on an extended vacation. During his absence the paper will be in charge of Mr. Howard.

ROBERT JOHNSTONE.

St. Louis.

News Notes.

The Beyer Bros. made an elaborate decoration on Monday at the German-American Bank, which celebrated its fiftieth year in business. A large quantity of plants and cut flowers were used.

J. W. Dunford, J. F. Ammann and F. J. Windt, who have been on the sick list for some time, are again around and attending to business.

The Benzen Floral Co. is sporting a new delivery wagon, and reports a good trade in plants.

Gus Eggling is laid up with a bad case of his old complaint, rheumatism. Gus is one of the five florists who are out for superintendent of public parks under Commissioner Aull.

The Ellison Floral Co. has been very busy of late with table work, and reports a good trade since moving into its new place on Olive street, near Grand.

Bowling.

There will be a general meeting of the florist bowlers on next Monday night, June 1, at 8 o'clock, at the Monarch bowling alleys, 2012 Locust street. This meeting is for the purpose of reviving bowling among the florists. The older members who have not been seen at the alleys for some time are requested to be present and see if we cannot make up a team to compete for the prizes at Milwaukee this Summer. The S. A. F. meeting will be held in August and the time till then is short. ST. P.

Exhibition.

TARRYTOWN, N. Y.—An exhibition of roses and strawberries will be held in the Young Men's Lyceum, Thursday afternoon and evening, June 11. Some useful articles are offered as prizes. Thomas A. Lee, Ardsley-on-Hudson, N. Y., is manager of the exhibition.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

Mention the Florists' Exchange when writing.

List of Varieties and Quantities (where noted) of Carnations Planted in Field by Leading Growers, Spring, 1903

GROWER.	White.	Light Pink.	Dark Pink.	Red or Scarlet.	Crimson.	Yellow Variegated.	White Variegated.	Discarded an Remarks.
CALIFORNIA								
California Carnation Co., Loomis	Queen Louise, 5,000; Governor Wolcott, 2,000; Alba, 1,000; Norway, 1,000	Mrs. Higinbotham,, 1,000; Genevieve Lord, 1,000	Mrs. T. W. Lawson, 5,000; Mrs. Frances Joost, 1,000; Guardian Angel, 1,000; Estelle, 2,000	G. H. Crane, 5,000; America, 5,000; Mrs. Potter Palmer, 5,000	Governor Roosevelt, 2,000; Gen'l Maceo, 500	Golden Beauty, 2,000	Stella, 1,000; Violania, 2,000	Also 11,600 Nov 1903; still ha demand for suc rieties as I and William Do not discard
CONNECTICUT								
James E. Beach, Bridgeport	Queen Louise, 13,000; Glacier, 4,000	Daybreak, 5,000; Morning Glory, 3,500	Mrs. Frances Joost, 12,000; Mrs. T. W. Lawson, 7,000	G. H. Crane, 3,500	General Maceo, 3,000	Dorothy Whitney, 1,000 Eldorado, 1,000	Mrs. G. M. Bradt, 2,000	Lizzie McGowan, Scott, Flo Alba, Stella, A Cressbrook
Fillow & Banks, Westport	May Naylor, 10,000, Queen Louise, 1,500; White Cloud, 1,000	Enchantress, 500; Success, 500	Floriana, 15,000; Mrs. Lawson, 12,000; Louise Faber, 250,	Adonis, 250; Seedlings, 2,000; Columbia, 1,200			Prosperity, 2,500; Mrs G. H. Bradt, 1,000	
ILLINOIS.								
J F. Ammann, Edwardsville	White Cloud, 900; Queen Louise, 500; Gov. Wolcott, 100	Morning Glory, 600	Mrs. F. Joost, 1,000; Mrs. T. W. Lawson, 600; Guardian Angel, 400	G. H. Crane, 1,000				Genevieve Lord
Bassett & Washburn, Chicago	White Cloud, Norway, Gov. Wolcott, Lillian Pond, Flora Hill, White Bradt	Morning Glory and novelties	Floriana, Mrs. Lawson, Cressbrook	G. H. Crane, Adonis, America, Red Bradt	General Maceo, Gov. Roosevelt	Gold Nugget	Mrs. Bradt, Gaiety, Prosperity	The Marquis, Joost, and mo last year's N ties
Chicago Carnation Co., Joliet	Reliance (new), Her Majesty, White Mrs. Lawson	Fiancee, Enchantress, Mrs. Higinbotham	Sibyl, Pres. McKinley, Mrs. T. W. Lawson	Crusader (seedling), Mrs. Potter Palmer, Estelle	Harlowarden	Dorothy Whitney, Phoebus	Marshall Field	Varieties named are leaders and be grown in la quantities
George Reinberg, Chicago	Flora Hill, White Cloud, Norway, Queen Louise	Enchantress	Guardian Angel, Triumph, Mrs. T. W. Lawson, Cressbrook, Dorothy, Mrs. E. A. Nelson, Pres. McKinley	G. H. Crane, Evanston, Mrs. Potter Palmer, Adonis			Prosperity	In all, 500,000 pl Discarded Mrs Joost, The Mar
Peter Reinberg, Chicago	Flora Hill, 50,000; Peru, 60,000; Queen Louise, 50,000	Mrs. Higinbotham, 40,000; Genevieve Lord, 2,000	Mrs. E. A. Nelson, 25,000; Guardian Angel, 20,000; Mrs. Lawson, 150,000	Estelle, 75,000; Mrs. Ine, 30,000; G. H. Crane, 10,000; Chicago, 2,000	Gov. Roosevelt, 10,000		Mrs. Bradt, 50,000	The Marquis, Dor Cressbrook, Homme Ric Hoosier Maid, I ing Glory, Mr Joost, Triumph
W. N. Rudd, Mt. Greenwood	Seedling	Phyllis	Mrs. Lawson, Seedling	Seedling, a few G. H. Crane	Gov. Roosevelt			Lorna (hardly fair trial), No White Cloud, Marquis (proba Queen Louise (ably)
J. D. Thompson Carnation Co., Joliet	Gov. Wolcott, 12,000; Boston Market, 4,000	Enchantress, 14,000	Mrs. Lawson, 4,000; Mrs. E. A. Nelson, 4,000; Nelson Fisher, 8,000	Apollo, 6,000; Estelle, 6,000; Adonis, 2,000	Harry Fenn, 2,000; Gov. Roosevelt, 2,000		Mrs. M. A. Patten, 8,000; Prosperity, 4,000	Golden Beauty, I ing Glory, Mrs N. Higinbot Queen Louise, quirer, Viola A Stella, Doro Whitney, J. Manley, Mrs. P Palmer, Mrs. ces Joost, V Cloud, G. H. C The Marquis, thy, Gaiety, way, Cressb Lorna
INDIANA								
E. G. Hill Co., Richmond	Innocence, Lillian Pond, White Bradt, Governor Lowndes, Her Majesty, Murphy's White, Flora Hill, Governor Wolcott, Glacier, Lorna, Alba, Queen Louise	Enchantress, Mrs. Higinbotham, Fragrance	Sibyl, Pres. McKinley, Mrs. Theo. Roosevelt, Dorothy, Floriana, Mrs. Lawson, Mrs. E. A. Nelson, Mrs. F. Joost	Adonis, Apollo, Mrs. Potter Palmer, Estelle, G. H. Crane, America	Harlowarden, Harry Fenn, Gov. Roosevelt	Golden Beauty, Dorothy Whitney	Prosperity, Stella, Gaiety, Mrs. G. M. Bradt	The new sorts planted for tri lots of 500 to 1 Flora Hill, Gl and Queen L have had the b est call a whites; Mrs. La and Mrs. Nelso pink; Estelle scarlet; Harry in crimson, and othy Whitney in low. Planting done April 15 t
Stuart & Haugh, Anderson	Gov. Wolcott, 500; Lorna, 500; Glacier, 300; White Cloud, 1,500; Lizzie McGowan, 1,000; Innocence, 200	Avondale, 5,000; Genevieve Lord, 1,000	Mrs. Lawson, 4,000; Pres. McKinley, 125; Cressbrook, 300	G. H. Crane, 300; America, 1,000; Mrs. Potter Palmer, 500; Adonis, 300	Gov. Roosevelt, 400		Gaiety, 500; Armazendy, 300	Daybreak (probab
MARYLAND								
C. Akehurst & Son, White Marsh	White Cloud, 2,000; Norway, 8,000; Lorna, 2,000; Flora Hill, 5,000; Elm City, 3,000; Seedling, 1,500	Genevieve Lord, 6,000	Floriana, 2,000; Mrs. Nelson, 500; Cressbrook, 500; Dorothy, 1,000; Wm. Scott, 2,000; Mrs. Lawson, 2,000; Ethel Crocker, 10,000 (for Summer bloom)	G. H. Crane, 8,000; Apollo, 500	Alice Lee (seedling), 1,500			We have about plants of this y introduction
MASSACHUSETTS								
C Washburn, Fall River	Queen Louise, Queen, Lillian Pond, Lorna	Fair Maid, Enchantress	Cressbrook, Mrs. Lawson, Wm. Scott	Challenger, J. H. Manley, Adonis	Harry Fenn, Gov. Roosevelt	Golden Beauty	Mrs. G. M. Bradt	
S. J. Goddard, Framingham	Queen, 8,000	Fair Maid, 1,200; Enchantress, 500	Mrs. Lawson, 600; Seedling, 400	G. H. Crane, 1,000; J. H. Manley, 500	Harry Fenn, 1,000; Gov. Roosevelt, 500; Gen. Maceo, 500	Seedling, 500	Mrs. Bradt, 500; Stella, 250	Cressbrook, Flor Boston Market, Wolcott, Mor Glory
MICHIGAN								
John Breitmeyer's Sons, Detroit	Glacier, 2,000; Gov. Wolcott, 1,000; Gov. Lowndes, 500 Alba, 500; Bon Homme Richard, 5,000		Mrs. F. Joost, 500; Mrs. Lawson, 4,000; Cressbrook, 2,500; Dorothy, 4,000; Cerise Queen, 1,500	G. H. Crane, 3,500; J. H. Manley, 1,000	Harlowarden, 700		Stella, 500	Prosperity, Gen Gomez, Sunbeam
Beard Bros., Detroit	Flora Hill, 3,300; White Cloud, 2,500; Queen Louise, 800	Morning Glory, 3,200	Mrs. Lawson, 3,800; Mrs. Joost, 3,500; Wm. Scott, 1,500; Guardian Angel, 1,300; The Marquis, 1,300	G. H. Crane, 1,500; America, 1,200; Estelle, 400	Gen. Gomez, 500			Cerise Queen
George A. Backham, Detroit	Flora Hill, 5,000, Queen, White Bradt and others	Morning Glory, 2,000; Fair Maid, 1,000; Guardian Angel, 1,000; New sorts in small numbers	Mrs. T. W. Lawson, 4,000	C. H. Crane, 3,000; and a few new ones			Stella	William Scott and Frances Joost
MISSOURI								
Geo M. Kellogg, Pleasant Hill	White Cloud, 2,500; Flora Hill, 1,500; Norway, 750; Mary Wood, 3,500; Queen Louise, 2,500	Daybreak, 1,000; Mrs. Higinbotham, 100; Enchantress, 1,250; Morning Glory, 2,000	The Marquis, 1,800; Triumph, 3,000; Mrs. Joost, 5,500; Mrs. T. W. Lawson, 3,400	Jubilee, 1,500; Mrs. Potter Palmer, 600; G. H. Crane, 2,000	Gen. Maceo, 500		Mrs. G. M. Bradt, 1,500; Prosperity, 2,000; Gaiety, 1,200	Avondale, Argyle

List of Varieties and Quantities (where noted) of Carnations Planted in Field by Leading Growers, Spring, 1903 Continued

GROWER.	White.	Light Pink.	Dark Pink.	Red or Scarlet.	Crimson.	Yellow Variegated.	White Variegated.	Discarded and Remark
NEW JERSEY								
ohn Birnie, West Hoboken	Flora Hill, Glacier, Queen Louise	Daybreak, Enchantress	The Marquis, Wm. Scott, Mrs. T. W. Lawson, Triumph			Buttercup		Mrs. Joost, Lorna, Ethel Crocker
eo. Emmans, Newton	Queen Louise, 10,000; Goodenough, 1,000; Gov. Wolcott, 1,000	Morning Glory, 500	Mrs. Lawson, 5,000; Ethel Crocker, 5,000	Mrs. F. Joost, 1,000; Portia, 1,000				Peachblow, Wm. Scott, Wild Rose, Dorothy, Daybreak, Mrs. Joost, Genevieve Lord, Cressbrook, Guardian Angel, The Marquis, Lorna, Alba, White Cloud, Sylvia, White Bradt, Flora Hill, Norway, G. H. Crane, Estelle, Gen. Maceo, Stella, Mrs. G. M. Bradt
. W. Miles, Plainfield	Seedlings, 1,500; Queen Louise	Diana, 2,000 (Seedling)	Seedling, 2,000; Wm Scott	Seedlings				Mrs. T. W. Lawson
. C. Nash, Clifton	Norway, Alba		Mrs. F. Joost	G. H. Crane	Gov. Roosevelt	Golden Beauty		
NEW YORK								
. H. Taylor, Bayside	Gov. Wolcott, 10,000	Enchantress	Mrs. Lawson, 17,000; Floriana, 2,500	J. H. Manley, 3,000	Harry Fenn, 2,000; Adonis, 500		Prosperity, 13,000	G. H. Crane, The Marquis, Lorna, Hoosier Maid, Gen. Gomez, Gen. Maceo
. J. Tharp, Bedford Station	Queen Louise		Mrs. F. Joost, Mrs. James Wood		Harry Fenn			Flora Hill. Will have about 40,000 plants in all, including Novelties
. J. Palmer & Son, Buffalo	White Cloud, White Daybreak, Gov. Wolcott, Queen Louise (5,000)	Enchantress, Daybreak Sport, Morning Glory (5,000)	The Marquis, Mrs. E. A. Nelson, Floriana, Mrs. Lawson, 8,000	Mrs. Potter Palmer, Adonis, Red Mrs. Lawson (2,000)	Gov. Roosevelt, Gen. Gomez, 1,000	Golden Beauty, 300	Mrs. G. M. Bradt, Prosperity (1,500)	
m. Scott, Corfu	Boston Market, 500; Lorna, 500; White Cloud, 1,000; Queen Louise, 800; Alba, 200; Gov. Wolcott, 200; Lillian Pond, 250	Morning Glory, 1,000; Mrs. Higinbotham, 1,000; Enchantress, 250	Mrs. Lawson, 2,000; Mrs. Joost, 1,000; Dorothy, 500; Mrs. Nelson, 800; The Marquis, 1,000	Mrs. Potter Palmer, 200; Estelle, 1,500; J. H. Manley, 300	Harlowarden, 500; Harry Fenn, 500	Golden Beauty, 500	Prosperity, 1,500	Genesee, Norway, Wm. Scott, Cressbrook
ailledouze Bros., Flatbush	May Naylor, 4,000; White Bradt, 5,000; Gov. Lowndes, 1,000; Seedlings, 5,000; Queen, 250	Enchantress, 2,500; Fair Maid, 2,000; Fragrance, 7,000; Genevieve Lord, 7,000	Mrs. T. W. Lawson, 3,000; Pres. McKinley, 1,000; Sibyl, 500	Adonis, Scarlet Maceo, 2,000; Seedlings, Gov. Bliss, 1,000	Harlowarden, 1,000; Harry Fenn Seedlings, 4,000	Eldorado, 1,500; Dorothy Whitney, 1,500	Prosperity, 3,000; Viola Allen, 1,000	Flora Hill, Gov. Roosevelt, Lorna, Alice Roosevelt, Seedlings
. W. Ward, Queens	Lorna, 3,000; Lieut. Peary, 2,000; Gov. Wolcott, 800; Gov. Lowndes, 300	Alpine Glow, 12,000; Mrs. J. A. Thayer, 4,000	Mrs. Theodore Roosevelt, 8,000; Mrs. T. W. Lawson, 8,000; Floriana, 3,000; Ethel Ward, 4,000	Gov. Bliss, 10,000; Flame, 3,500	Pres. Roosevelt, 8,000; Harry Fenn, 5,000; Octoroon, 3,000; Creole Beauty, 2,000	Golden Beauty, 1,500; Golden Eagle, 750	Viola Allen, 2,500; Prosperity, 4,000; Sensation, 1,000	Mrs. Bradt, J. H. Manley, Gov. Roosevelt, Morning Glory, Novelty, Challenger, Gaiety, Violania, Floriana, Gov. Wolcott
ohn Reimels, Woodhaven	Lorna, 1,500; Queen Louise, 1,500; Gov. Wolcott, 400; Seedling, 500	Fragrance, 250; Genevieve Lord, 5,000; Morning Glory, 1,500;	Floriana, 3,000; William Scott, 3,000; Mrs. Lawson, 2,000; Maude Adams, 2,000	G. H. Crane, 1,000; Gov. Bliss, 500; Seedling, 500	Gen. Gomez, 1,500; Harry Fenn, 500	Admiral Cervera, 500; Dorothy Whitney, 500	Seedling, 500; Sport of Mrs. Lawson, 200; Prosperity, 1,500	Flora Hill, White Cloud, Mrs. G. M. Bradt
. E. Marquisee, Syracuse	Albatross, 18,000; Flora Hill, 2,000	Enchantress, 500	The Marquis, 9,000; Cressbrook, 1,000; Mrs. Lawson, 800; Mrs. E. A. Nelson, 1,000	Flamingo, 18,000;	Gov. Roosevelt, 1,000	Sunbird, 6,000		Have 7,000 Seedlings
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m. Murphy, Cincinnati	Murphy's White, 10,000	Genevieve Lord, 3,000; Mrs. Higinbotham, 1,000; Enchantress, 1,000	Mrs. Lawson, 10,000; Dorothy, 3,000; Mrs. Joost, 1,000	Estelle, 10,000	Harlowarden			Wm. Scott, Daybreak, Portia, Lizzie McGowan, America, G. H. Crane
eo. Smith & Son, Cleveland	Flora Hill, Gov. Wolcott	Enchantress	Magdalene, Victor, Mrs. T. W. Lawson	G. H. Crane				Mrs. Bradt, Eldorado, Gov. Roosevelt
PENNSYLVANIA								
m. Swayne Kennett Square	Flora Hill, 3,000; Lorna, 1,500; White Cloud, 1,500; Lillian Pond, 1,000; Mary Wood, 1,000.	Enchantress, 500; Nelba, 1,000; Dean, 1,000	Cressbrook, 1,000; Mrs. Lawson, 5,000; Mrs. Joost, 5,000; Ethel Crocker, 1,000	Adonis, 500; G. H. Crane, 3,000; Estelle, 1,000; Mack Richmond, 1,000; Mrs. Potter Palmer, 500	Gov. Roosevelt, 2,500; Gen. Maceo, 2,500; Egypt, 500	Dorothy Whitney, 500; Gold Nugget, 500	Mrs. Bradt, 1,000; Armazindy, 1,000	Wm. Scott, Eldorado, M. A. Baker
lbert M. Herr, Lancaster	Queen Louise, 6,000; Lillian Pond, 500; other novelties, 500	Enchantress, 2,000; Mrs. Higinbotham, 1,500.	Ethel Crocker, 5,000; Mrs. E. A. Nelson, 3,000; Novelties, 500	Adonis, 2,000; Apollo, 2,000	Harry Fenn, 1,000; Novelties, 250	Golden Beauty, 1,000	Gaiety, 1,000	My list of discarded varieties would be misleading, as I discard as soon as they lose value from a rooted cutting point of view. Morning Glory and Dorothy were two of my best carnations this year, but next year I have none for planting.
. Eisele, Philadelphia	Flora Hill, 1,000; Lizzie McGowan, 2,000		Wm. Scott, 600; Ethel Crocker, 500	Thos Cartledge, 300; Portia, 200.				
CANADA								
ohn H. Dunlop, Toronto	Glacier, Lillian Pond, Lorna, Peru, Murphy's White, Governor Lowndes	Enchantress, Morning Glory, Alpine Glow	Mrs. Lawson, Cressbrook, The Marquis, Mrs. Theodore Roosevelt	Estelle, G. H. Crane, Apollo, Mrs. Potter Palmer	Gov. Roosevelt, Harry Fenn, Harlowarden	Golden Beauty, Dorothy Whitney	Stella, Prosperity, Marshall Field	White Cloud, General Gomez, Dorothy, Mrs. Bradt, Gaiety, Governor Wolcott, Queen Louise. Will plant 45,000

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"Koral"
HEADQUARTERS FOR
Letters and Wire Designs
BEAUTY, LIBERTY, BRIDE, BRIDESMAID, KAISERIN, VALLEY, ETC.
GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Boston May 20, 1903	Phil'delphia May 26, 1903	Baltimore May 13, 1903	Buffalo May 27, 1903	Pittsburg May 26, 1903
		A. BEAUTY, fancy—special	...... to 16.00	..... to	..... to	20.00 to 25.00	30.00 to 40.00
Roses		" extra	...... to 12.00	30.00 to 40.00	...... to	12.00 to 15.00	15.00 to 25.00
		" No. 1	4.00 to 8.00	20.00 to 25.00	15.00 to 20.00	8.00 to 10.00	6.00 to 10.00
		" Culls and Ordinary	1.00 to 2.00	10.00 to 12.50	4.00 to 12.00	3.00 to 5.00	3.00 to 4.00
		Queen of Edgely	3.00 to 12.00	10.00 to 40.00	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	... .. to	...... to	..... to 6.00	..... to	...... to 8.00
		" extra	..... to 4.00	8.00 to 10 00	...... to	6.00 to 8.00	4.00 to 6.00
		" No. 1	2.00 to 3.00	6.00 to 7.00	..... to	4.00 to 5.00	...... to 2.00
		" No. 2	.50 to 1.00	4.00 to 5.00	..... to 3.00	2 00 to 3.00	...... to ......
		Golden Gate	...... to	4.00 to 8.00	3.00 to 6.00	2.00 to 6.00	...... to ......
		K. A. Victoria	1.00 to 6.00	4.00 to 8.00	3.00 to 6.00	2.00 to 8.00	2.00 to 8.00
		Liberty	1.00 to 4.00	6.00 to 20.00	2.00 to 6.00	2.00 to 8.00	2.00 to 12.00
		Meteor	.50 to 4.00	5.00 to 10.00	2.00 to 6.00	2.00 to 8 00	2.00 to 4.00
		Perle	...... to	4.00 to 8.00	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
		ORCHIDS—Cattleyas	...... to	...... to 50.00	...... to	...... to	...... to ......
		Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations		Inferior grades, all colors	.20 to .25	.... to	...... to 1.00	.75 to 1.00	...... to .75
	STANDARD VARIETIES	White	.25 to .75	2.00 to 3.00	1.25 to 2.00	1.50 to 2.00	1.00 to 1.25
		Pink	.25 to .75	2.00 to 3.00	1.25 to 2.00	1.50 to 2.00	1.00 to 1.25
		Red	.25 to .75	2.00 to 3.00	1.25 to 2.00	1.50 to 2.00	1.00 to 1.25
		Yellow and var.	.25 to .75	2 00 to 3.00	1.25 to 2.00	1.50 to 2.00	1.00 to 1.25
	*FANCY (*The highest grades of Standard var)	White	...... to 1.00	4.00 to 5.00	...... to	2.50 to 3.00	1.50 to 2.00
		Pink	...... to 1.00	4.00 to 5.00	...... to	2. 0 to 3.00	...... to 1.50
		Red	...... to 1.00	4.00 to 5.00	...... to	2.50 to 3.00	...... to 1.50
		Yellow and var.	...... to 1.00	4.00 to 5.00	...... to	2.50 to 3.00	...... to 1.50
		NOVELTIES	1.00 to 1.50	...... to	...... to	4.00 to 6.00	... .. to ......
		ADIANTUM	.50 to 1.00	..... to 1.00	..... to 1,00	.50 to 1.00	1.00 to 2.00
		ASPARAGUS	25.00 to 50.00	23.00 to 50.00	25.00 to 75.00	10.00 to 60.00	20.00 to 50.00
		CALLAS	4.00 to 6.00	...... to 12.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
		DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
		DAISIES	.25 to .75	.50 to 1.00	...... to	...... to	.25 to 1.00
		GALAX LEAVES	...... to .10	...... to .10	...... to .10	..... to .15	. .... to ......
		HYACINTHS	...... to	...... to	...... to	..... to	...... to ......
		LILAC	..... to	...... to	...... to	...... to	...... to ......
		LILIES	6.00 to 8.00	...... to	8.00 to 10.00	10.00 to 12.50	8.00 to 12 00
		LILY OF THE VALLEY	.50 to 1.00	3.00 to 5.00	.50 to .75	3.00 to 5.00	2.00 to 4.00
		MIGNONETTE—Ordinary	1.00 to 1.50	...... to	1.00 to 2.00	...... to	.50 to 1.00
		" Fancy	...... to	..... to	...... to	...... to	...... to 1.50
		NARCISSUS	...... to	...... to	...... to	...... to	...... to .50
		PANSIES	.15 to .25	...... to	.30 to .40	..... to	.10 to .25
		SMILAX	...... to 15.00	..... to 20.00	10.00 to 25.00	...... to 15.00	12.50 to 15.00
		STEVIA	...... to	...... to	...... to	...... to	..... to ......
		SWEET PEAS	.25 to .35	.75 to 1.00	...... to .50	.50 to 1.00	.25 to .75
		TULIPS	1.00 to 2.00	...... to	...... to	1.00 to 5.00	...... to
		VIOLETS	...... to	...... to	...... to	...... to	...... to .....

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Baltimore.

Your correspondent has neglected this city for some time, but this was owing to the fact that business was brisk with us all, so that there was little time to collect news.

We are in the midst of Spring work and trade. There is a scarcity of geraniums and bedding plants in general this year. The demand is good. The long continued dry spell has made things uncomfortable for the plantsmen, as everything is being centered on a few days.

The Florists' Exchange has made a change in its management. Alex. Scott, who for many years has been manager of the local commission house, has given up the position on account of ill-health and J. J. Perry has been appointed his successor. Mr. Perry will give up his retail store and take full charge of the work.

The club had a strawberry night. A lecture by Professor Austin on strawberries and their culture was followed by a feast of the fruit with cream, so that the boys could have a practical demonstration of the value of the luscious berry. President Richard Vincent, Jr., was host.

A. Lootze, of Glenburnie, has had large shipments of chrysanthemum novelties. His enthusiasm for the Queen of the Autumn is as great as ever. He has quite a large stock of seedlings, which look promising.

Philip Welsh, of Waverly, does not intend to occupy his new farm at once, but will endeavor to have the land in the best of condition by the time he is ready to build.

Mr. Holden, for many years gardener to estate of Robert Garrett, Esq., has gone into business on his own account.

There has been a great demand this season for Baltimore chrysanthemum novelties—varieties such as Willowbrook, Robert Halliday, Lady Harriett, Harry Parr, Adele, John K. Shaw, all of which have proven standard sorts.

The agitation for a flower market, under the auspices of the city government, has quieted down. It should be pushed to a conclusion.

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Philadelphia.

The Week's News.

The retail stores have all been doing a nice business this week. While all flowers are plentiful, they have moved a quantity of good stock. The horse show is in progress at Wissahickon Heights; this event has brought a great many visitors to the city, and a lot of dinners, etc., have been given.

The entire city has been in gala attire all week on account of the Knights Templar conclave. The effect on the florist business has been principally in plant decorations at the various halls. A large quantity of foliage plants have been used.

Miss Ellen Drexel-Paul, daughter of Mr. James W. Paul, Jr., president of the Pennsylvania Horticultural Society, was married on Saturday last to Mr. Paul D. Mills. The wedding took place at Radnor, in St. Martin's Church, the reception and wedding breakfast being held at Woodcrest, Mr. Paul's handsome country place. The wedding breakfast was in reality an immense garden party, the 400 guests being seated at small tables, arranged on the lawn under trees, etc., while the bridal party were seated on the terrace around the mansion in full view of all. Hugh Graham did the decorating and arranging of all details in plants and flowers.

The dry weather still holds here, and while planting now has to be done it entails a lot of work. In many cases beds have had to be soaked before planting, and the plants have to be continually watered afterward. All outdoor flowering plants are suffering, the blooms not developing properly and not holding well after being cut.

Next Tuesday evening will be Florists' Club night, when wrought iron pipe and air valves will be the subject of an address by Walter H. Whetstone. The June outing to Samuel C. Moon's nursery will also be taken up at this meeting.

A special meeting for outdoor roses will be held next Tuesday evening by the Pennsylvania Horticultural Society.

DAVID RUST.

St. Paul.

A Valuable Shrub.

A recent inquiry from the South for lilac blooms the latter part of June recalls to mind that most beautiful variety, Syringa japonica grandiflora, more commonly known as the Japanese tree lilac. In this latitude it blooms late in June, bearing immense clusters of small, double, fragrant white flowers, valuable alike as an ornament on the lawn and for use as cut flowers by the florist. I never see it mentioned by our florist writers, but it certainly is a most valuable addition to our list of hardy flowering shrubs, and should be planted by every florist who has the room to devote to it.

News Jottings.

Copious rains have brought carnations in the field along in good shape, and stock is looking fairly well.

Of course, every one is rushed now with bedding stock, and as usual, every customer wants his work done first. Beds, boxes, vases and baskets are being filled as rapidly as possible, for all must be in position by Memorial Day. Owing to the late Easter, stock is lankier than usual, but that makes little difference to the ordinary buyer who wants bloom above everything else, desiring plants for immediate effect when planting.

L. L. May & Co., have a fine lot of longiflorum lilies which are firm blooms, in fine condition for Memorial Day. Gardenias have put in an appearance; nothing can surpass these for geeral use, and they are a very welcome addition at this time.

Shipping trade is ahead of previous years, and from present indications there will be a general clean up of all stocks this Spring.

Quite a number in the trade are looking forward to a trip to the Milwaukee convention. The bowlers are working hard, but are not publishing scores. The dark horse often wins, and it will be well to look out for them at convention time.

VERITAS.

San Francisco.

Decorations at President Roosevelt's Reception.

All seasonable blooms are here in greater abundance than ever before, and rhetorical bouquets innumerable have this week been cast at various masses of our people by the strenuous President of the United States, who was in this coast metropolis May 12 to 14, inclusive, and who has just departed for a much needed four days' rest midst uncultured flowers and Nature's wild and craggy giant scenery in Yosemite Valley.

It goes without saying that the visit of the copiously welcomed chief executive created a busy business week for more than a few local floral artists.

For the accomplishment of a couple of the center events of this memorable May welcome feature incidental to President Roosevelt's visit, which moved him to loftiest expression of delight at California's floricultural possibility, the retiring and unmentioned handiwork artists in the background were, respectively, the Misses Worn, 18 Post street, and Miss Charlotte Williams and Miss Louise Daly, decorators for the trade.

In line with the wish of the president of the Citizens' Presidential Reception Committee, General M. H. de Young, proprietor of the Chronicle, that all the city's florists be patronized to the extent of their supply ability, respectively, the lady decorators ransacked the stores for the choice abundance of blooms, ferns and greenery, which they wrought into creations that delighted the nation's chief and his distinguished fellow travelers, the first and third nights of their visit, in the two large assembly halls in the Palace Hotel.

Since the Chronicle has put it in this way—"nothing better has been seen in this city and probably nothing quite so good"—it is perhaps all right to say that the aforesaid work of the lady floral artists named may go into local history as the eclipse decorations of all San Francisco's many past praiseworthy effects in this line.

Of the blooms utilized in these superb decorations, not omitting the State's golden flower—the poppy—the carnation family was largely in evidence in the Mrs. Theodore Roosevelt, Golden Beauty and Governor Roosevelt; and besides orchids in magnificent variety, roses were plentifully apparent in the American Beauty, Bride, Bridesmaid, Golden Gate and White, Yellow and Crimson Rambler. On the display tables the Old Glory color scheme of the lady decorators was beautifully sustained. There were red poppies, blue cornflowers and white sweet peas, all simple, homely flowers, and yet combined to remind every American of the colors which make up his flag. These tri-color bouquets were disposed at intervals along every table, and between them stood fantastic floral creations, such as the famous battleship Oregon, fortresses, San Juan hill, with a blockhouse at its top, and Filipino huts.

The tables were covered, not with snowy linen, but with most delicate golden Indian silk and heavy woven cloth of gold fringed with metal gold. More than half a thousand yards of silk were used in covering the tables, along which stretched a low, careless hedge of golden iris, like a magnificent vine thick with long-stemmed, big, pale yellow blossoms. Then, twining through and edging the beautiful flowers of gold, were streamers of dainty white hawthorn branches. Spread both ways to the limits of the range of tables, the floral ornamentation was blended gradually out through yellow to white iris and white hawthorn to pale pink and then to rich pink carnations flung and strewn artistically around every table.

On the walls, at each side of draped flags, was an enormous rambling mass of thick-flowering hawthorn of the color of luscious crushed strawberries among green leaves growing up from large gilded wickerwork baskets flat against the wall. There was a cartload of the lovely flowering branches in either of the bountiful clusters.

Overhead, spreading out like a sunburst, held fast to the center of the ceiling, was a gilded urn-shaped basket, from which there radiated to all points of the compass long, straight stems of bamboo with delicate feathery green branches. From this basket there hung like steadying guys graceful ropes of evergreen, extending to the four corners of the room. Red, white and blue electric lights dotted these leafy strands.

Over the large electroliers on the walls of the room were hung bunches of St. Joseph lilies, supported by green of rushes and yew and live oak, and in every niche and embrasure and under every arch there were luxuriant bouquets of choice blossoms, rose designs, and baskets of iris, lily of the valley and ferns.

News Notes.

The Pacific Coast Horticultural Society has been discussing the Japanese question in its relation to the floriculture and horticulture of this district.

A new organization, named the California State Horticultural Alliance, has materialized, with H. H. Lilienthal as president. It has about twenty of a membership, Japanese being admitted. Recently President Roosevelt was voted an honorary member.

It is current talk here that Capitalist Meyers has bought several acres at Burlingame for the propagation of roses.

The beautiful new store of Sievers & Boland, at 33 Post street, was formally opened the past week. ALVIN.

Buffalo.

News Notes.

At Palmer & Son's uptown branch, on Saturday last, for a funeral order, a casket cover of lily of the valley was elaborately finished through the employment of five thousand sprays. Also a casket cross of lavender sweet peas and three wreaths, each measuring thirty inches in diameter, composed respectively of white sweet peas, white roses and American Beauty.

For a masonic order for a funeral, on Wednesday, Byrne & Slattery turned out a large standing wreath, an example of fine work.

Cape jessamine blooms are in from the South, but have, generally, come poor.

Everything now points to an active local call for bedding plants. The filling of vases at Forest Lawn Cemetery alone is estimated to run into some thousands in number. D. Newland & Son, Wm. Legg and Wm. Scott, all being located close by, handle the largest number. A glance at Newland's showed that the various orders become simplified to a few standard classes. Geraniums are noticeably the basis in the plants employed, the scarlet sorts being used largely. With some this plant alone suffices. Others include a border of vincas while some mixtures are also called for.

Scott's greenhouses show some held over astilbes and Lilium Harrisii in nice bloom. An imposing array of bay trees and box in tubs enhance the business look of his wide corner front.

Alex. Scott, of the Cut Flower Exchange, Baltimore, is visiting his brother, Wm. Scott. Other recent callers included C. J. Pult, North Tonawanda, N. Y.; H. J. Wise, East Aurora, and C. T. Guenther, Hamburg, N. Y.

Though very modest in extent, several showers the forepart of this week seemed to forerun a change from the undue drouth, and better ones followed on Tuesday night. VIDI.

Cincinnati.

News Jottings.

The matrimonial fever seems to be contagious in the Witterstætter neighborhood. Frank Deller, nephew of Richard W., will be married on June 10 to Miss Julia Neiderer. Mr. Deller is in the employ of his uncle. We shall now look for a still better quality of carnations from this time on.

Martin Reukauf, of Philadelphia, and Fred Walz, of Wilmington, O., were callers during the week.

The florists who are growing plants are reaping a harvest; their stocks are selling rapidly and at fair prices.
E. G. GILLETT.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago May 26, '03	St. Louis May 26, '03	Cincinnati May 26, '03	Milwaukee May 17, '03	Detroit May 27, '03
	A. BEAUTY, fancy—special	20.00 to 24.00	18.00 to 22.50	16.00 to 25.00	..... to 25.00	..... to 30.00
Roses	" extra	18.00 to 20.00	10.00 to 15.00	12.00 to 14.00	15.00 to 18.00	..... to 20.00
	" No. 1	12.00 to 15.00	5.00 to 8.00	8.00 to 12.00	10.00 to 12.50	..... to 10.00
	" Culls and Ordinary	3.00 to 4.00	2.00 to 4.00	3.00 to 5.00	4.00 to 6.00	5.00 to 8.00
	Queen of Edgely	..... to	..... to	..... to	..... to	..... to .....
	Bride, 'Maid, fancy—special	5.00 to 6.00	..... to 5.00	..... to 6.00	..... to 6.00	..... to 6.00
	" extra	4.00 to 5.00	..... to 4.00	3.00 to 4.00	..... to 4.00	..... to 5.00
	" No. 1	3.00 to 4.00	..... to 3.00	..... to 2.00	..... to 3.00	..... to 4.00
	" No. 2	..... to	..... to 2.00	..... to	..... to 2.00	..... to 3.00
	Golden Gate	5.00 to 6.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00	3.00 to 5.00
	K. A. Victoria	3.00 to 8.00	2.00 to 5.00	..... to	4.00 to 6.00	..... to .....
	Liberty	4.00 to 20.00	2.00 to 6.00	2.00 to 6.00	4.00 to 6.00	..... to .....
	Meteor	4.00 to 10.00	2.00 to 4.00	.... to	..... to	3.00 to 6.00
	Perle	3.00 to 8.00	2.00 to 4.00	..... to 3.00	2.00 to 4.00	3.00 to 5.00
	ORCHIDS—Cattleyas	..... to	..... to	..... to	..... to	..... to 50.00
	Cypripediums	..... to	..... to	..... to	..... to	..... to 25.00
Carnations	Inferior grades, all colors	..... to	.75 to 1.00	..... to 1.00	..... to	..... to 1.00
	STANDARD VARIETIES White	1.50 to 2.00	1.25 to 1.50	1.00 to 1.50	..... to 1.00	..... to 1.50
	STANDARD VARIETIES Pink	1.00 to 2.00	1.25 to 1.50	1.00 to 1.50	..... to 1.00	..... to 1.50
	STANDARD VARIETIES Red	1.00 to 2.00	1.25 to 1.50	1.00 to 1.50	..... to 1.00	..... to 1.50
	STANDARD VARIETIES Yellow and Var.	1.00 to 2.00	1.25 to 1.50	..... to .	..... to 1.00	..... to .....
	*FANCY— White	2.00 to 3.00	2.00 to 2.50	2.00 to 3.00	2.00 to 3.00	2.00 to 2.50
	*FANCY— Pink	2.00 to 3.00	2.00 to 2.50	2.00 to 3.00	2.00 to 3.00	2.00 to 2.50
	(*The highest grades of standard var) Red	2.00 to 3.00	2.00 to 2.50	..... to	2.00 to 3.00	2.00 to 2.50
	(*The highest grades of standard var) Yellow and Var.	2.00 to 3.00	2.00 to 2.50	..... to	2.00 to 3.00	2.00 to 2.50
	NOVELTIES	..... to	..... to	..... to	..... to	..... to .....
	ADIANTUM	.75 to 1.50	..... to 1.00	..... to 1.50	..... to ...	1.00 to 1.50
	ASPARAGUS	15.00 to 50.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	10.00 to 30.00
	CALLAS	6.00 to 8.00	..... to 8.00	..... to	..... to 8.00	10.00 to 12.50
	DAFFODILS	..... to	..... to	..... to	..... to	..... to .....
	DAISIES	.50 to 1.50	..... to .35	..... to	..... to .50	..... to .....
	GALAX LEAVES	..... to .15	..... to .15	..... to .15	..... to .20	..... to .10
	HYACINTHS	..... to	..... to	..... to	..... to	..... to .....
	LILAC	..... to	..... to	..... to	..... to 1.00	..... to .....
	LILIES	6.00 to 8.00	..... to 8.00	..... to 15.00	..... to 6.00	8.00 to 10.00
	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 4.00	..... to 4.00	..... to 2.00	3.00 to 4.00
	MIGNONETTE—Ordinary	..... to 1.00	..... to	..... to	..... to	..... to .00
	" Fancy	4.00 to 6.00	..... to	..... to	..... to	..... to 3.00
	NARCISSUS	..... to	..... to	..... to	..... to	..... to .....
	PANSIES	..... to	..... to	..... to	..... to 1.00	..... to .....
	SMILAX	12.00 to 15.00	..... to 15.00	..... to 15.00	..... to 18.00	..... to 15.00
	STEVIA	..... to	..... to	..... to	..... to	..... to .....
	SWEET PEAS	.50 to 1.50	.35 to .50	..... to .50	..... to .50	.25 to .50
	TULIPS	..... to	..... to	..... to	..... to 2.00	..... to .....
	VIOLETS	..... to	..... to	..... to	..... to	..... to .....

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10,000, $1.50; 50,000, $6.25.

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W. J. COWEE, Berlin, N. Y.

Samples Free. For sale by dealers.

Mention the Florists' Exchange when writing.

STANDARD FLOWER POTS

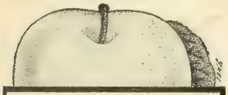
Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2 in. pots in crate,	$4.88	120		pots in crate, $4.20
1500	2¼ " "	5.25	60	8	" " 3.00
1500	2½ " "	6.00			HAND MADE.
1000	3 " "	5.00	48	9	in. pots in crate, $3.60
800	3½ " "	5.80	48	10	" " 4.80
500	4 " "	4.50	24	11	" " 3.60
320	5 " "	4.51	24	12	" " 4.80
144	6 " "	3.16	12	14	" " 4.80
			6	16	" " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Hilfinger Bros. Pottery,**
Fort Edward, N. Y.
Or AUGUST ROLKER & SONS, New York Agents,
31 BARCLAY STREET, NEW YORK CITY.

Mention the Florists' Exchange when writing



THE APPLE MAN

above all others is the one who needs to spray. Good, smooth, evenly sized, [illegible] free, salable apples are now [illegible] with[illegible] spraying. For the apple man's use [illegible]

Century Barrel Sprayer.

[illegible] cylinder, brass ball valves, everlasting [illegible]. Unequalled for [illegible] operation, free water way. Eighteen styles of sprayers. Catalogue with formulas and testimonials free.

THE DEMING COMPANY, SALEM, OHIO.
Western Agts., Henion & Hubbell, Chicago.

Mention the Florists' Exchange when writing.

ALL NURSERYMEN, SEEDSMEN AND FLORISTS

WISHING TO DO BUSINESS WITH EUROPE SHOULD SEND FOR THE

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

EDITORS OF THE "H. A."
Chilwell Nurseries, Lowdham, Notts.

Mention the Florists' Exchange when writing.

SUMMER IN WINTER

By Using

Standard Greenhouse Boilers

One cent gets our Catalogue.

GIBLIN & CO., - Utica, N. Y.

Mention the Florists' Exchange when writing.

GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

N. COWEN'S SON,
392-94 W. BROADWAY, NEW YORK.

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WHY NOT BUY

RED POTS

OF US?

STANDARD SIZE
Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
Syracuse, N. Y.

Best Pot in the Market.

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BETTER DEAD!

CHAP. I. Bugs, Bugs, nothing but Bugs.

CHAP. II. Those poor flowers.

CHAP. III. Used NICOTICIDE!

CHAP. IV. Dead, Dead! Every last bug of 'em.

CHAP. V. Made more money than ever before.

VAPOR OR SPRAY
OF ALL SEEDSMEN

MADE BY
Tobacco Warehousing & Trading Co.,
LOUISVILLE, KY.

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"THRIPSCIDE"

(REGISTERED)

GREENHOUSE FUMIGATING POWDER

is the newest and best article on the market today for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:

1 lb. Tin Can ...	$0.25	25 lb. Sealed Box	$4.50
5 " " ...	1.00	100 " " "	16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.

Prepared by The Lilly-Lilly Chemical Co. and sold by

E. H. HUNT
76-78 WABASH AVE., CHICAGO

Mention the Florists' Exchange when writing.

Benefit the Good and **Redeem the Waste Places** and make the whole farm productive by using our **Agricultural Drain Tile**, the leading tiling goods of the country. Manufactured 50 years. Prevents soil souring, winter freezing, washings, malaria, gives you fertile, mellow soil. Also manufacture long line of other clay goods. Send for free book on drainage. Most valuable for low or level land owners. Write me for catalog and prices. **JOHN H. JACKSON, 50 3rd Ave., Albany, N. Y.**

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The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. **DILLER, CASKEY & CO.,** Successors to JENNINGS BROS.,
S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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GLASS

For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

BENT GLASS

VANHORNE, GRIFFEN & CO.,
443-449 Greenwich St.
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GREENHOUSE MATERIAL

Manufacturers of Cal. Red Cedar and Louisiana Cypress.
BEST GRADES PERFECT WORKMANSHIP
WRITE FOR CATALOGUE.

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HOTHOUSE GLASS

and GREENHOUSE PUTTY a SPECIALTY.

C. S. WEBER & CO.
10 Desbrosses St., New York.

Holds Glass Firmly
See the Point ☞
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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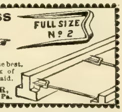
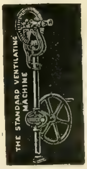
714 Chestnut St., Phila., Pa.





The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE

Duplex Gutters

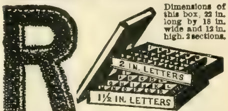
Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

Mention the Florists' Exchange when writing.

BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager.
FACTORY: 18 Green St. **BOSTON, MASS.** OFFICE: 84 Hawley St

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CASPER LIMBACH GREENHOUSE GLASS

A SPECIALTY.

Window Glass. Painters' Supplies.

60 Wshington Ave., 31st Ward,
1929 Carson St., **Pittsburg, Pa.**

Mention the Florists' Exchange when writing.

CYPRESS

IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS

UP TO 32 FEET OR LONGER.

GREENHOUSE

AND OTHER BUILDING MATERIAL, MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.

Send for our Circulars.

THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

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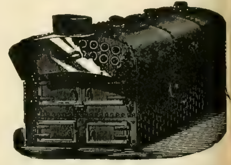
KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front sides and back). Write for information.

Mention the Florists' Exchange when writing

CYPRESS

Green House Material

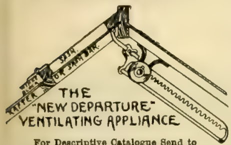
Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO

Mention the Florists' Exchange when writing.

IF YOU WANT A
GOOD SASH LIFT
For a Very Little Money, Get



For Descriptive Catalogue Send to
J. D. CARMODY, EVANSVILLE, IND.
Mention the Florists' Exchange when writing.

New Haven, Conn.

The New Haven Horticultural Society held its regular monthly meeting, Tuesday evening, May 19. There was a large attendance and considerable business was transacted. A committee consisting of William Gardner, A. J. Thompson and J. W. Woodward, was appointed to arrange for the annual outing. The report of the committee in charge of the Fall exhibition was heard, as was also the report of the committee appointed to secure a charter from the legislature for the society.

Cromwell, Conn.

Mr. and Mrs. A. N. Pierson, who left on May 2 for a Western trip, are now in California. They are expected home about the middle of June.

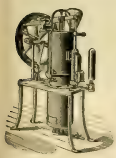
Memorial Day orders will run somewhat ahead of last year's. While the extreme hot weather of the early Spring has forced outdoor flowers of all kinds, it has not seemed to interfere with the demand for those grown under glass.
H.

Melrose, Mass.

The suit brought some time ago by Edwin Ormsby of Melrose against M. D. Vaughn of the same place, for alleged infringement of patent No. 11,639 on transom lifters for greenhouses, has been decided by Judge Hale, in the Federal Equity Court in favor of defendant, the suit being dismissed.

North Adams, Mass.

The palm swindler visited this town last week. Florist Schmutz was his victim. The amount is $15.00. The same old game was practiced; and still all of us have not yet learned to combat it.



WATER
RIDER AND ERICSSON
Hot Air Pumping Engines

If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.

RIDER-ERICSSON ENGINE CO.,
35 Warren Street, New York
239 Franklin Street, Boston
692 Craig Street, Montreal, P. Q.
40 Dearborn Street, Chicago
40 North 7th Street, Philadelphia
Teniente-Rey 71, Havana, Cuba

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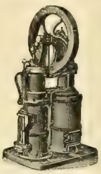

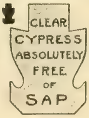

An expert rose grower grows good roses.

He has made a close study of roses and is a specialist.

His whole thought and attention are devoted to roses.

Our whole thought and **attention** have been given to greenhouse building material. We have had **years** of experience in supplying material to critical, practical growers.

We are specialists in Greenhouse Construction, just as the rose grower is a specialist in roses.

We can serve you much better than one lacking this experience.

IT PAYS TO PAY FOR QUALITY

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

Mention the Florists' Exchange when writing.

HORTICULTURAL ARCHITECTS
—AND THE—
LARGEST BUILDERS OF GREENHOUSE STRUCTURES.

RED GULF CYPRESS GREENHOUSE MATERIAL

Strictly free from Sap.

LARGEST STOCK OF AIR-DRIED CYPRESS IN THE NORTH.

Greenhouse Catalogue, also Greenhouse Heating and Ventilating Catalogue, mailed from our New York Office on receipt of five cents postage for each.

☞ Send for Circular of **Cypress Hot Bed Sash and Frames.**

LORD & BURNHAM COMPANY.
NEW YORK OFFICE:
St. James Bldg., Broadway & 26th St.
GENERAL OFFICE AND WORKS:
Irvington-on-the-Hudson, N. Y.

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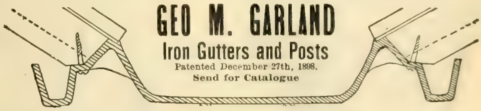
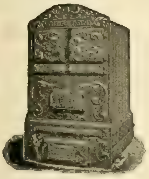


GEO M. GARLAND
Iron Gutters and Posts
Patented December 27th, 1898.
Send for Catalogue

GEO. M. GARLAND, Des Plaines, Ill.
JOHN C. MONINGER CO., CHICAGO, Selling Agents
Mention the Florists' Exchange when writing.

GULF CYPRESS
Greenhouse Material
CUT AND SPLICED READY FOR ERECTION. HOT BED SASH
S. JACOBS & SONS, Manufacturers
1365 to 1373 Flushing Ave., Brooklyn, N.Y.
We Furnish Everything for Building.

Greenhouse GLASS
AT WHOLESALE.
GET OUR PRICES BEFORE ORDERING.

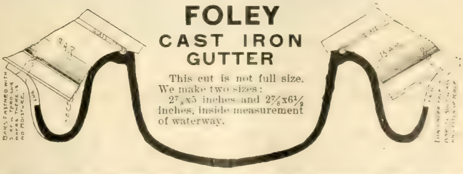


New Twin Section Boiler.
SEND 4c. FOR CATALOGUE.

Mention the Florists' Exchange when writing.

FOLEY MFG. CO.
471 West 22d St., CHICAGO, ILLS.
GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.
Write for our Free New Catalogue.

FOLEY
CAST IRON
GUTTER



This cut is not full size.
We make two sizes:
2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

Lockport, New York.
32 Church Street, Toronto, Can.

Mention the Florists' Exchange when writing.

H. Bayersdorfer & Co.

FLORISTS' SUPPLIES

Largest Stock in the Country

Send for Illustrated Catalogue.

50, 52, 54, 56 No. Fourth Street
PHILADELPHIA

Mention the Florists' Exchange when writing.

ESTAB. 1765
A.H. HEWS & CO.
NO. CAMBRIDGE MASS.
L.I. CITY N.Y.
CATALOGUE FREE

Mention the Florists' Exchange when writing.

Special Trade List.

	In. pots	doz.	100
Ageratum, variegated	2½	$0.50	$3.00
Anthericum variegatum	3	.75	5.00
Abutilon Savitzii	2	.50	3.00
Bouvardias, white, scarlet and pink	2½	.50	3.00
Cannas, Queen Charlotte, Florence Vaughan, Mme Crozy, Egandale	3	.60	4.00
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Dracæna Indivisa	3	.75	5.00
Echeveria secunda glauca			4.00
Echeveria glauca, strong plants	4	1.00	
Golden Feather, $15.00 per 1000	2		2.00
Hope Vines	4	1.00	
Hydrangea, Thos. Hogg	2	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10.00
Periwinkle, variegated	4	1.50	10.00
Passiflora cœrulea	3	.75	5.00
Tropæolum, double dwarf	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
Violets, Princess of Wales and La France		.50	3.00

C. Eisele, 11th and Jefferson Streets, **Phila., Pa.**

Mention the Florists' Exchange when writing.

HAIL!

For insurance against damage by hail, address
JOHN G. ESLER, Sec'y F. H. A., Saddle River, N. J

Mention the Florists' Exchange when writing.

CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

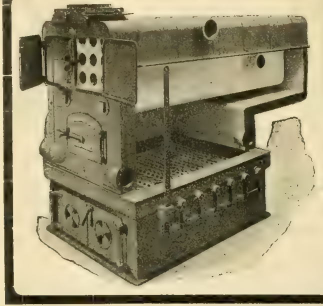
No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29.00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

Sample free on application. No charge for printing on orders above 250 boxes, Terms cash

THE LIVINGSTON SEED CO.

Box 102, COLUMBUS, O.

Mention the Florists' Exchange when writing.



HITCHINGS' BOILERS

THE STANDARD FOR Greenhouse Heating.

EFFICIENT
ECONOMICAL
DURABLE

PERFECT SASH OPERATING APPARATUS.

Send four cents for our illustrated Catalogue on Greenhouse Construction; also our Heating Catalogue.

Plans and Estimates on application.

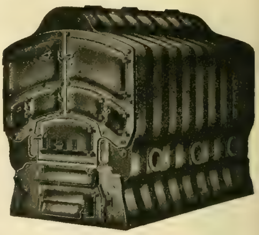
HITCHINGS & CO.
233 Mercer Street,
NEW YORK.

Mention the Florists' Exchange when writing.

THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

Mention the Florists' Exchange when writing.

A. HERRMANN

MANUFACTURER OF

Floral Metal Designs

Importer and Dealer in FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE
Between 40th and 41st Streets

OFFICE AND WAREROOMS:
404, 406, 408, 410 412 East 34th St.

WRITE FOR NEW CATALOGUE.

NEW YORK

Mention the Florists' Exchange when writing.

Dillon's Greenhouse Mfg. Co., BLOOMSBURG PA.

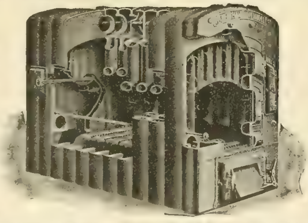
MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRES
SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST

☞Our descriptive circular contains valuable information for every florist. Send for it.

Mention the Florists' Exchange when writing.

Better Get Catalogue of **FURMAN BOILERS** And Special Florists Prices



MADE IN OVER 150 STYLES AND SIZES.

BURNS ALL KINDS FUEL

NOW HEATING OVER 20,000,000 SQ. FEET GLASS.

Highly Economical in Fuel

Sectional, Portable and Brick-set Types. Let us figure on your requirements.

Address, **The HERENDEEN MFG. CO.,** DEPT. F., **GENEVA, N. Y.**

Mention the Florists' Exchange when writing.

COLDWELL'S IMPROVED HORSE MOWER
NINE BLADE 25" CUT FOR PUTTING GREENS
CHAIN ROLLER MOWER
FAMOUS IMPERIAL MOWER

IMPERIAL
HIGH GRADE
HAND & HORSE
LAWN MOWERS
ONLY
COLDWELL LAWN MOWER CO.
NEWBURGH
N.Y.

Mention the Florists' Exchange when writing.

HAMMOND'S GENUINE French Bordeaux Mixture

True Blue Color. Butter fine; ready for dilution. Sold by Seedsman. Send for pamphlet to

HAMMOND'S SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

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Our Gallery of Fine Specimens

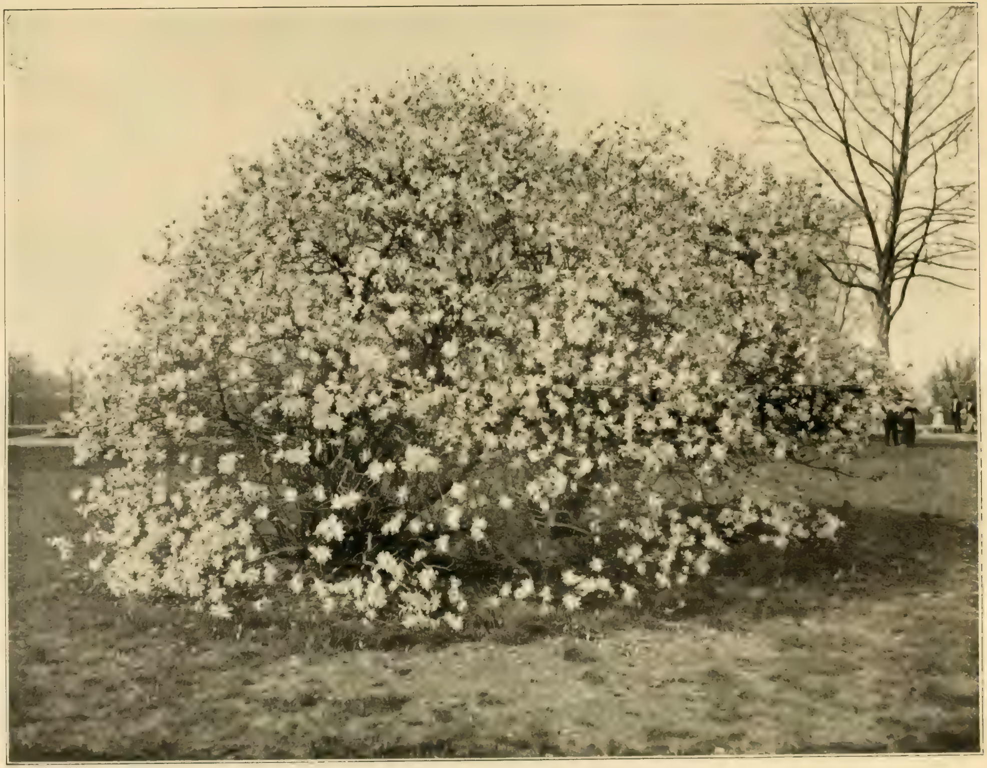

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Plate 53

MAGNOLIA STELLATA

One of the earliest Magnolias to flower, unusually profuse of bloom. Before expanding the buds are of a light pink color which remains with the flowers to some degree after they expand.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 23 | NEW YORK, JUNE 6, 1903 | One Dollar Per Year

CANNAS

Fine plants in pots, ready for immediate planting, extra choice sorts. Pierson's Premier, Sam Trelease, ray, Queen Charlotte, Italia, Florence Vaughan, Robert Christie, F. Neuvessel Crimson Bedder, house Bouvier, Secretaire Chabanne, Improved Pillar of Fire, Pres. Max Michelli, Duke of Marlborough, le Berat, Mme. Crozy, etc., $6.00 per 100.

New, extra choice, mammoth-flowered. Pennsylvania (scarlet), Kate Gray (orange), Pandora (a beauti- bronze-leaved Italian sort), $10.00 per 100.

Buttercup, new dwarf golden yellow Canna, extra choice, $12.00 per 100.

YDRANGEAS, fine, large specimens in tubs and half-barrels, for lawn decoration. These plants will be in flower during July and August, and are just beginning to come into bud.

ine plants in tubs that will throw about 15 blooms, $2.00 each.

arger specimens in half barrels that will throw 25 or more blooms, $5.00 each.

PHROLEPIS PIERSONI (The Pierson Fern). See special advertisement in this issue, page 640.

PIDISTRA VARIEGATA, fine plants, $1.50 each.

Y TREES, Standards, with heads 3½ to 4 ft. in diameter, $15.00 to $20.00 each.

tandards, extra large and very fine specimens, $40.00 each.

LADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference, $3.00 per 100.

RACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12 cts. each; extra strong stock, 7 in. pots, 2½ ft. high, 75 cts. each; 3 ft. high, $1.00 each.

RACÆNA MASSANGEANA, 7 in. pots, finely colored, $1.50 each.

NDANUS VEITCHII, 6 in. pots, finely colored, $1.00 each.

NDANUS UTILIS, 6 in. pots, $1.00 each.

USA ENSETE (Abyssinian Banana), fine large specimens, $2.00 each.

BBER PLANT (Ficus Elastica). Fine for piazzas, hotel decoration, etc. Large, perfect leaves in best possible condition. 6 in. pots, 2 ft. high, 50 cts. each; 2½ ft. high, 75 cts. each; 3 ft. high, $1.00 each; extra large specimens, three plants in a pot, bushy, in perfect condition, with leaves right to the pot, 5 ft. high, $5.00 each.

KENTIAS, in fine shape, grown cool and very hardy, extra value, $1.00, $2.00, $3.00 and $4.00 ea.

LATANIAS, large sized plants, fine for decorating $2.00, $3.00 and $4.00 each.

BOXWOOD, pyramidal and untrimmed, 3 ft. high, $2.00 each; 3½ to 4 ft. high, $3.00 each.

VINCAS, 3½ in. pots, with fine tops, $10.00 per 100; 2¼ in. pots, very strong stock, nice tops, $4.00 per 100.

ENGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long, $12.00 per 100; 2¼ in. pots, very nice, 12 to 18 in. long, $6.00 per 100.

DAHLIAS, a fine assortment of Cactus, decorative and show varieties, all named, $6.00 per 100.

ALYSSUM, Tom Thumb and Double, $3.00 per 100.

SHASTA DAISY, strong plants from frames, $8.00 per 100.

FUCHSIAS, fine assortment, named varieties, 2¼ in. pots, $3.00 per 100.

ABUTILON Savitzii, Duc de Malakoff Variegated and Eclipse, 2¼ in. pots, $4.00 per 100.

LEMON VERBENAS, 2¼ in. pots, $4.00 per 100.

IVY-LEAVED GERANIUNS, extra strong, 4 in. pots, $8.00 per 100.

HARDY PHLOX, extra fine assortment, named varieties, $6.00 per 100.

TUBEROSES, $1.00 per 100.

MADEIRA VINE, $2.00 per 100.

LOBELIA Gracilis and Compacta, $3.00 per 100.

AMERICAN BEAUTY ROSES, strong plants, 2¼ in. pots, $7.50 per 100; $60.00 per 1000.

SMILAX, strong plants, 3½ in. pots, $6.00 per 100.

WICHURAIANA or EVERGREEN ROSES, fine named varieties, extra strong stock, 3½ in. pots, $12.00 per 100.

FERN BALLS, large size, in fine shape, $3.00 per doz.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

ROSE PLANTS

Large, Clean, Healthy Own Root Stock

BRIDE	2¼ Inch	$4.00 per 100 $35.00 per 1000
BRIDESMAID	3½ Inch	$7.00 per 100 $60.00 per 1000

Now is the time to order before stock is all sold

W. H. ELLIOTT, Brighton, Mass.

BARGAINS

TUBEROSE, THE PEARL

CHEAP TO CLOSE OUT

4 In. Bulbs. All will flower. 30c. per 100; $2.50 per 1000.

PALM SEEDS That Will Grow

LATANIA BORBONICA	$2.00 per 1000;	$9.00 per case of 5,000 seeds.	
PANDANUS UTILIS	1 00 " 100;	7 50 " 1000;	$35.00 per 5000
PHŒNIX RECLINATA	3.00 " 1000;	13 00 " 5000	
MUSA ENSETE	1 00 " 100.	7.50 " 1000	

DAHLIAS—Large Field Roots

	100	1000
Named Varieties, Fancy, Snow, Cactus and Pompon	$6.00	$50.00
Mixed, All Colors	4.00	35.00
Separate Colors, pink, red, yellow and white	4.50	40.00

FERN BALLS—Cheap to Close

5 to 7 in. in fine, fresh condition.......... $1.50 per doz.; $12.00 per 100

RUSTIC HANGING BASKETS

Size	Each	Dozen
Size 8 in.	$0.50	$5.00
" 9 "	.60	6.50
" 10 "	.70	8.00
Size 11 in	$0.80	$9.00
" 12 "	1.00	11.00
" 13 "	1.10	12.00
Size 14 in	$1.30	$14.00

See our SPECIAL ADVERTISEMENT of CANNAS and CALADIUMS on page 639 of this issue.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET | TELEPHONE 4390 SPRING | **New York City**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

PALMS

We Have Many Thousands of KENTIAS, ARAUCARIAS, FICUS and BAY TREES.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock, and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch	No. of leaves	Height, ins.	Per doz.	Per 100	Per 1000
2½	3-4	8	$1 50	$12 00	$100 00
3	4-5	10-12	3 00	15 00	140 00
4	5-6	15-18	4 00	25 00	225 00
5	5-6	18-22	6 50	50 00	
5½	5-6	22-24	9 00	75 00	
			Each	Per doz.	
6	6	24-26	$1 00	$10 00	
6	6-7	26-28	1 25	15 00	
6	6-7	28-30	1 75	21 00	
7	6-7	30-33	2 50	25 00	
7	6-7	33-38	3 00	36 00	
7	7-8	38-40	4 00	48 00	
8	7-8	40-45	5 00	60 00	
8	7-8	45-50	6 50	75 00	
8	7-8	50-55	7 50	85 00	
9	7-9	55-60	10 00	115 00	
10	7-9	60-65	12 50	145 00	
12 tubs		65-70	15 00		

12 Made-up plants, 65-70, $17.50 each.
14 " " 7-8 feet, $25.00 to $35.00 each.

KENTIA FORSTERIANA.

Inch.	No. of leaves	Height	Per doz.	Per 100	Per 1000
3	3-4	12 in.	$2 00	$15 00	$140 00
4	4-5	15	4 00	25 00	225 00
5	5	15-18	6 00	50 00	
5½	5	18-20	7 50	60 00	
6	5	20-24	9 00	75 00	

Inch	No. of leaves	Height	Each	Per doz.
6	5-6	24-28	$1 00	$10 00
6	5-6	28-30	1 25	12 00
6	6	30-32	1 50	15 00
6	6-7	32-36	2 00	20 00
7	6-7	36-42	3 00	30 00
8	6-7	48-52	4 00	50 00
9	6-7	52-60	5 60	
9	6-7	60-65	7 50	
10	6-7	65-75	12 50	
12 tubs	7-8	7-8 ft.	18 00	

12 " made up 7-9, $20.00 to $30.00 each.

1500 BAY TREES IN ALL SIZES. ASK FOR PRICES.

PHŒNIX CANARIENSIS, We have a very fine lot of these, fine for decorating or retail sales, from $5.00 to $20.00 each.

ARAUCARIA EXCELSA.

	Each
5 in. pots, 10-12 ins. high	$0 75
5 " " 12-14 " "	1 00
6 " " 14-16 " "	1 25

ARAUCARIA EXCELSA GLAUCA.

	Each
6 in. pots, 10 ins. high	$0 75
Specimen plants	$2.00 to $3.00

BOSTON FERNS.

These are now in benches, good for 5-6 in. pots, $25.00 per 100.

Ready for 3-4 in. pots, $10.00 per 100.

FICUS (Rubber Plants), top cuttings, $15.00 per 100, $135.00 per 1000.

FUNKIA VARIEGATA, in pots, $5.00 per 100; $40.00 per 1000.

ENGLISH IVY, 4 in. pots, $15.00 per 100.

AMPELOPSIS VEITCHII, $10.00 per 100.

SPECIMEN ENGLISH IVY, 6-7 ft., $1.00 each.

BOXWOOD, in Standards, Pyramids, Globe and Clipped forms; all sizes. Ask for Prices.

GARDENIA VEITCHII, 6 in. pots, per doz. $6.00; 7 in. pots, per doz., $12.00.

ROSES. Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

HARDY JAPAN LILIES.

	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in.	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in.	5 50	45 00
RUBRUM or ROSEUM, 9-11 in.	$7 00	$65 00
ALBUM, 8-9 in.	5 50	50 00
" 9-11 in.	7 00	60 00

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, - Rutherford, N. J.

Mention the Florists' Exchange when writing.

St. Davids Island HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

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Allen's Defiance Mignonette.

SEED GROWN INSIDE.

Selected Stock. Trade Packet, $1.00.

JOEL G. HAYDEN, Floral Park, N. Y.

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This cut is reproduced from a photo of one of my fields taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

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CYCAS STEMS

SIZES				
2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.	Price per	10 lbs.,	$1
	" "	50 lbs.,	4
	" "	100 lbs.,	7
	" "	1000 lbs.,	65

STUMPP & WALTER CO., 50 BARCLAY S
NEW YORK.

BRANCH STORE, 404 EAST 34TH ST.

Not the Cheapest but the Best

Persons wanting the genuine old-fashioned **Harrisii** or **Bermuda Easter Lily** (unmixed with Longiflorums or Hybrids) that can be forced by Christmas or before if required, can obtain thoroughly ripened Bulbs, August shipment. Write at once. Quantity limited.

R. H. JAMES,
Columbia and Longbird Farms,
ST. GEORGES, BERMUDA.
Cable Address: Florist, Bermuda.

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Primros

CHINESE FRINGED

	Trade p
Kermesina Splendens	50
White, Yellow Eye	50
Bright Pink	50
Brilliant Red	50
Rosy Morn	50
Blue	50
Flesh Color	50
Mixture of Above	50
Fern Leaved Mixed	50
Obconica Grandiflora, white	50
" " rosy chamoise	50
" " bright rose	50
" " fringed mixed	50

W. C. BECKERT, Allegheny,

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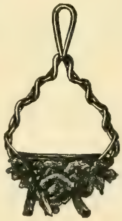
BAY TREES

Standard, extra fine, 2 ft. diam., $10.00 per pair.
Pyramid, " " 5 " high, 10.00 per pair.

LATANIA BORBONICA,	extra heavy, 5 ft. high	$3.00 ea
" "	fine large, 3 " "	1.25 "
PHŒNIX CANARIENSIS,	extra heavy, 5 " "	3.00 "
" "	fine large, 3 " "	1.75 "
KENTIA FORSTERIANA,	extra fine, 5½-6 ft. high	2.75 "
" "	fine large, 5 ft. high	2.00 "

CYCAS REVOLUTA STEMS, from ½ lb. to 6 lbs., per 100 lbs., $7
FERNBALLS, dormant, 7 x 9, $22.50.

F. W. O. SCHMITZ, Prince Bay, N.



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122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stum
Stump Tubs, Bird Houses, Pedestals, Rustic Fence
Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17

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NOVELTIES CONSTANTLY ON HAND.

FORCING BULB

Our arrangement for high grade bulbs
French Romans, Paper White Grandiflor
Callas, Japan Longiflorum, London Mark
Valley and picked bulbs of all Dutch Hyacinth
Tulips, Narcissus and Spiraea are unexcelle

Bulbs secured from us will be subject to caref
inspection and approval on arrival, and if in a
way unsatisfactory will be made good at once.

Write for prices before closing any forcing sto
order.

VAUGHAN'S SEED STOR

CHICAGO: 84-86 RANDOLPH ST.
NEW YORK: 14 BARCLAY S

CLEARANCE SALE
No. 1 TUBEROSES No. 2

75c per 100, Dwarf Excelsior Double Pearl 35c per 100
$5.50 per 1000. UNUSUAL VALUE $2.50 per 1000
4 to 6 inches and over 3 to 4 inches and over

Elephant Ear Bulbs 5-7 inches, $1.25 per 100; $10.00 per 1000
8-10 " 2.25 " 20.00 "

JOHNSON & STOKES, 217 and 219 Market St. **PHILADELPHIA, Pa.**

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June
Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam. . . .	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
VENTURA-BY-THE-SEA, CALIFORNIA.

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Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii
and
Lilium Longiflorum
and all other bulbs. Also
Cycas Revoluta Stems.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

Pansy Seed

New Crop Ready July 1st.

Peter Brown, Lancaster, Pa

Mention the Florists' Exchange when writing.

AMERICAN GROWN
BULBS
Narcissus, Daffodils, Etc.
SEND FOR LIST AND PRICES.
POAT BROS. ETTRICK, VA.

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HIGH GRADE
FLORISTS' FLOWER SEEDS
OUR SPECIALTY
Catalogue upon application.

R. & J. FARQUHAR & CO.
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MUSHROOM SPAWN

First Quality
Strictly Fresh

LOWEST PRICES.
WRITE FOR SPECIAL QUOTATIONS

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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.
Send for Catalogue.

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United States Grower and Representative of Groff's Hybrids.

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RUPP XXX SEEDS.

Primrose Seed, Improved Chinese Finest grown, large flowering fringed, single and double, fifteen varieties mixed, 500 seeds, $1.00; half pkt , 50 cts. Have also the varieties separate.

PANSY FINEST GIANTS

The best large flowering varieties, critically selected. Mixed, 5000 seeds, $1.00; half pkt., 50 cts.; highly praised by our many florist customers.

DAISY. Finest Double Giant, pure white and rose, mixed or separate, 1000 seeds, 25c.
CALCEOLARIA. Finest dwarf large flowering tigered and spotted, 1000 seeds, 50 cts.
PRIMULA OBCONICA Grandiflora. Finest large flowering to be had. 1000 seeds, 50c.
CINERARIA. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

Cash. A pkt. of the new ever-blooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**

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CANNAS AND GERANIUMS

Out of 4 in. pots, very fine, $6.00 per 100.
For varieties, see issue of May 23. SALVIAS, strong, $3.00 per 100.
COLEUS, Golden Bedder, $2.50 per 100.
Colden Cut—Leaf PYRETHRUM, $2.50 per 100.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N. J.

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SPECIAL OFFER.
Cycas Revoluta Stems
NEW IMPORTATIONS

From 1 to 6 lbs , 25 lbs., $2 00; 100 lbs., $7.00 (case of 800 lbs., $20.00.)

Write for prices on larger quantities,

HENRY F. MICHELL
IMPORTER,
1018 Market St., Philadelphia, Pa.

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5000 Whole Dahlia Roots

Best mixture of named Cactus and Show varieties, all colors, $2.00 per 100; $15.00 per 1000. Satisfaction guaranteed.

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"BENARY'S"
SNOW WHITE PÆONY PERFECTION

Tr. Pkt., 25c.; oz., $1.50.

D. Landreth & Sons,
FLORISTS' DEPARTMENT,
1217 Market St., Philadelphia, Pa.

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DREER'S
AQUATIC PLANTS

Hardy and Tender Nymphæas,
Nelumbiums in Variety,
Victorias, Etc.

We are Headquarters for all kinds of Aquatic Plants.

NOW IS THE TIME TO PLANT.

Write us for information if you are uncertain as to what or how to plant.

HENRY A. DREER
PHILADELPHIA, PA.

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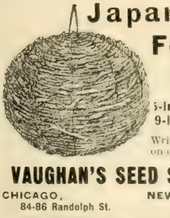

Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

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CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St

Mention the Florists' Exchange when writing.

SEASONABLE SEEDS

	100	1000
Asparagus Sprengeri	.20	$1.00
" **decumbens** (novelty)	.85	7.50
Phœnix reclinata (true)	.40	3.00
" **canariensis** (true)	.30	2.50
" **rupicola**	.75	7.00
Areca Lutescens	.75	6.00
Pandanus utilis	.65	6.00
Primula sinensis fimb., in pure white, rose, crimson, blue, white with yellow eye	25	1.75
Primula mixed	20	1.50

Cineraria hybrida grandi., and maxima or dwarf. Pkt 25 cts , 5 pkts., $1.00.

Calceolaria, finest tigered and spotted, large flowers, 500 seeds, 25 cts.

H. H. BERGER & CO. 47 Barclay St., New York.

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PANSY. New crop. Bugnot, Cassier, Vanther's Mammoth or Mme. Perret, each strain, oz $5 00, tr. pkt. 25c ; mixed, oz. $4.00, tr. pkt. 25c. Calceolaria, finest tigered or spotted, tr. pkt , 25c. Primula Chinensis fimb., all colors, separate or mixed, tr. pkt. 25c. Cineraria, hyb. gig., dwarf or tall. Benary's Prize Strain, tr. pkt. 25c. Cash. **SHELLROAD GREENHOUSE SEED CO., Grange P. O., Baltimore, Md.**

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CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS
Special Prices on Application.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

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CALLA BULBS

August 1st delivery.

Extra choice large bulbs, $5.00 per 100. Express paid by us at above figures.

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P. O. Box 103. LOOMIS, CAL.

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LILIUM HARRISII and LONGIFLORUM

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

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KENTIA SEEDS

Belmoreana, Forsteriana.
Fresh Seed. Direct Importation.
$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.
NEWARK, NEW YORK.

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PANSY SEED
THE JENNINGS STRAIN

New Crop Seed Now Ready.

Saved from finest stock. Finest mixed, 1oz., $5.00; pkt. of 3000 seeds, $1.00; ½ pkt., 50 cts. Separate colors in blue, black, red, white and yellow, 50 cts. per pkt.

Cash with order.

E. B. JENNINGS, Southport, Conn.
Lock box 254. Grower of the Finest Pansies.

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400,000 California Privet

and more than **400 Varieties of HARDY ORNAMENTAL STOCK.**

Also for immediate delivery, **10,000 PRIVET**, 18 to 24 inches, $15.00 per 1000.

HIRAM T. JONES, Union County Nurseries, **ELIZABETH, N. J.**

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BEAULIEU'S

HARDY WHITE ONION

Ounce, 20c; pound, $2.00. Send for testimonials. On page 85 of Greiner's "New Onion Culture," appears an account of this Onion. **Special Offer.** Every purchaser of one or more pounds of seed can have a copy of this new book, free. Pansy Seed as usual.

BEAULIEU, Woodhaven, N.Y.

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Cycas Stems

100 LBS.@8
200 LBS.@7½
500 LBS.@7

NEW STOCK

ALL SIZES

Prices:

VAUGHAN'S SEED STORE,

14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

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Holland Nursery Stock

Ask for Our Catalogue.
It Will Interest You.

ENDTZ, VAN NES & CO.,
BOSKOOP, HOLLAND.

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VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head, Late Flat Dutch, Savoy, Rich Red and other vars., 25c. per 100; $1.00 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars., 15c. per 100; $1.25 per 1000. Earliana and Ponderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c. per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY Golden Self Blanching. $1.00 per 1000.

EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.

PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.
Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

LONG ISLAND GROWN

CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower,
Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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POTTED EGG PLANTS

Strong, from 2½ inch pots, 50c. per dozen; $2.50 per 100. Extra strong from flats, 50c. per dozen; $1.50 per 100.

Extra strong **Peppers**, from flats, 25c. per doz., 75c. per 100. Largely Sweet Mountain and Ruby King.

All packed to carry safely by express.

Charles Black, Hightstown, N. J.

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Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

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HEADQUARTERS FOR "PEONIES & IRIS"

100,000 German Iris, Choice Named.
75,000 Japan Iris, Choice Named.
50,000 Paeonias, Finest varieties.

Varieties and prices upon application.

J. T. LOVETT,
Little Silver - - N. J.

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F. & F. NURSERIES

SPRINGFIELD NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

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THE

LARGEST STOCK

OF SPECIMEN

HEMLOCK AND BOX-BUSH

OUR OWN GROWING. THEY LIFT WITH GOOD BALLS. CAN BE MOVED NOW. FOR PRICES STATE SIZE AND QUANTITY DESIRED.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa.
WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

W. & T. SMITH CO.

GENEVA NEW YORK

Field Grown ROSES and CLEMATIS, ORNAMENTAL TREES SHRUBS and VINES. **FRUIT TREES.**

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NURSERYMEN

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Hedges, etc., etc.

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ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

ST. PAUL.—J. B. Kidd, salesman for the Cox Seed Co. of San Francisco, was a recent visitor on his way to the annual convention of the American Seed Trade Association at Atlantic City.

Another Bermuda Lily Combine.

Yesterday afternoon the lily growers of the colony met in the Bermuda gymnasium to take into consideration the expediency of forming an association for the purpose of protecting the lily industry of the colony by ensuring the exportation of good stock and the securing of fair prices for the bulbs. About 35 of the principal lily growers met. C. Peniston was chosen chairman, and on taking the chair proceeded to explain the objects for which the meeting had been called. Some discussion followed, from which it was clear that those present were not unanimous with regard to the proposal; two or three of the smaller growers were apparently averse to the formation of an association and declined at present to join any such organization; the large majority, however, was favorable to the proposal and a resolution was passed affirming the necessity for organized and united effort. A committee was appointed to draft rules and regulations for the working of an Association.—Bermuda Colonist, May 23.

ST. JOSEPH, MO.—The Missouri Valley Seed Company writes: "All the planting in our section is very much behind. We have had an exceptional lot of rain during the last Spring months and it does not seem to be at an end yet. However, if it clears off now, we shall yet have time to make good crops, as we are in a quick maturing section."

European Notes.

Excellent results are following a spell of bright, hot weather, both as to trade and cultures. Orders for garden seeds still arrive at this late season, many people having been unable to get on the ground on account of the late rains. Trade in agricultural seeds and clovers has brightened and is strengthening every day.

All crops show a most decided progress, plants being unusually vigorous and healthy, promising good returns. Of course, in many articles, as beets, cabbages, etc., a rather large acreage has been lost entirely, but all remaining in the fields are progressing splendidly.

Lettuces, endives, etc., are making a slightly better show, and may yet catch up and yield a fair crop.

Regarding swedes, etc., which are now so full of life, a warning of possible reduction in their yielding is presented to us in the shape of "beetle," which has begun to make its appearance with the warmer weather.

EUROPEAN NOTES.

Condition of Seed Crop Plants

LA CROSSE, WIS.—John A. Saizer Seed Co. write: On our seed farms in Dakota the crops never looked better. We have had sufficient rain and good growing weather, but in western Wisconsin things are suffering on account of excessive rains.

MINNEAPOLIS, MINN.—Northrup, King & Co. say: Spring planting in the northwest was late owing to the cold and backward season. The growing conditions have been favorable except now we appear to be getting too much rain. In some districts the land is under water, and this is especially affecting the corn.

CLINTON, WIS.—L. L. Olds writes: The acreage of seed potatoes is quite large, and thus far the conditions are very favorable, although most of the potatoes are not yet up. Small grain perhaps never looked better at this time of year, and the prospect for the corn crop is all right, so far. Just now (May 27) there is too much rain, however, the ground being thoroughly saturated with water.

DES MOINES, IA. The Iowa Seed Company states that the season here has been extremely wet. "We are having rains almost every day, so that it has been difficult to get on the ground to plant. Our main crops here are seed corn, cucumber, squash and tomato. The tomatoes are looking nice, but some of our growers have not yet succeeded in getting other crops planted."

ST. LOUIS.—As yet it is almost too early to make anything like an accurate report relative to the condition of the growing grass seed crop in the section tributary to our market. From what we can learn, however, clover looks excellent, timothy only fairly well; and while red top is looking well, we do not anticipate as good a crop as that last season.

D. I. BUSHNELL & CO.

SOUTH HAVEN, MICH.—The Haven Seed Company writes: "The fore part of the season, until May 21,, was very dry. The lack of rain has made the radish crop rather late. However, the recent rains have put the ground in good condition for putting the tomato crop in the field, and have also greatly benefited the radish crop, so that we hope to get a full yield."

NEW YORK.—J. M. Thorburn & Co. report: "On Long Island and in Connecticut seed crops are suffering for want of rain and if the drought continues much longer we fear that some crops will be entirely lost. We are not dependent, however, upon any particular locality for our seed crops generally, but have them grown in all parts of the world, wherever experience has proved the respective kinds to be produced in best quality."

LAWRENCE, KAN.—F. Barteldes & Co. write: "Sweet corn and field corn were late getting into the ground. However, we have fair stands now and all promise well so far. Our vine crops, such as watermelon, muskmelon, squashes and pumpkins, are just being planted. Our onion seed for raising sets was sown a month ago; it came up nicely and we have an excellent stand. The prospect for grass seed, such as timothy, meadow fescue, and others, is promising well.

VALLEY STREAM, L. I.—The drouth on Long Island, which has now run beyond five weeks here, is doing harm to peas and delaying the setting out of tomato, cabbage and other plants in their appropriate fields. The chief injury is to peas, the vines of those above ground having turned yellow through the lack of moisture, while those planted later have not germinated and will not until a good, soaking rain falls. The last mentioned condition applies to corn as well as to peas, and it is probable that much corn ground will have to be replanted. Colorado beetles have appeared here in large numbers, and are attacking the young potato vines.

GREENE, N. Y.—The Page Seed Company write: "We are suffering now from the worst drouth that this section has known for a great many years. No rain has fallen for a period of about six weeks; the crops are backward, and a great many are not yet planted. Those that were planted early are up, but stand still for lack of moisture. Seeds that have been planted for the last three weeks lie dormant in the ground, on account of the extreme dryness of the soil. Unless the weather changes very quickly and we have rain, we should predict that the crops grown in New York and Pennsylvania will be very short."

CAMBRIDGE, N. Y.—The Jerome B. Rice Seed Company say: Here in Washington county, New York, we have not been blessed with any rain this Spring, and our ground is very dry. Farming and gardening operations are almost at a standstill. Many fields cannot be plowed for corn or potatoes, the ground is so dry. Much seed that has been placed in the ground will not grow, there not being enough moisture for germination. Under these conditions seed crops are not prospering. Turnip seed crop will be a very light one, indeed, hardly worth the harvesting. The root crops that were set for seed purposes are in the same condition. Of course, it is yet early for a report on other seed crops, but certainly the outlook is not at all encouraging.

RAVENNA, OHIO.—Plants at this season are looking as well as usual. It is too early to tell what crops will be.

FORD SEED CO.

LINCOLN, NEB.—The Griswold Seed Company makes the following report on the outlook of seed crops: "Seed sweet corn, two-thirds of the crop is in, but the weather is most unfavorable; low lands are badly flooded and will have to be replanted. Crops on higher lands are growing very slowly. Prospects for replanting are very unfavorable at present, as we are having rains almost daily. Vine seeds—very little of this crop is in as yet, and the weather is unfavorable for plants on account of the excessive rains. Reports from over the State indicate that Fall wheat is better than last year. About two-thirds of the corn is planted, but all on low land is under water and will have to be replanted or the land sown to something else, and it is really too late now to replant. Oats and all other small grains are growing very slowly on account of lack of sunshine."

WATERLOO, NEB.—The Western Seed and Irrigation Company write as follows: "Frequent heavy rainstorms experienced during the past two weeks have prevented continuous planting of field and sweet seed corn crops in this section, in fact, throughout the States of Nebraska, Iowa, and Kansas. Many crops that were planted early in the month have now to be replanted. There are some isolated instances where corn that was planted early has withstood the inclement weather, but as a general proposition, the entire corn crop of the States above referred to has been greatly retarded thus far this season on account of the reasons given. Many farmers have already given up the idea of planting corn on their low lands, and are looking for millet, cane, etc., to substitute for forage crops; consequently, the market price of this kind of seed has advanced and is daily continuing to advance materially in value. Very few vine seed crops have been planted in this immediate locality, but there is yet sufficient time up to June 10 to 15, in ordinary seasons, in which to plant or replant the same, and it does not seem possible that the excessive rainfall we have been experiencing will continue so as to prevent the planting of seed and the obtaining of favorable crops."

LOUISVILLE, KY.—Wood, Stubbs & Co. report as follows: The general conditions for gardening and farming in this locality this season have not been very favorable. Early in the season we had too much rain and too much cool weather, which, of course, delayed the planting; consequently, when the crops were put in it was very late. For the last three or four weeks we have hardly had any rain, and everything is suffering now from drouth. The acreage of onion sets this year, from all reports, does not appear to be more than three-fourths of last year's, and at the present time looks as if it would not make more than one-third to one-half crop. Onion seed crops are not doing very well, and the prospect for this is not over 50 per cent. Dwarf curled Siberian kale promises a good crop. Our contract stock of this is later blooming than the ordinary strain, but from present indications will make a good yield.

The prospects for orchard grass are only fair. It is heading out now, and stocks are very much shorter than usual, and the indications are for very much shorter crops. Winter turf oats are looking fairly well. There are immense quantities of these grown in this section now, and the acreage this year is larger than usual.

Comparatively little tobacco is set out over the State as yet, owing to the very dry season. A good general rain would improve conditions a great deal; but if it remains dry for ten days or two weeks longer, many crops will be very short.

The Seed Crop in Eastern Massachusetts.

This is a hard seed year for eastern Massachusetts. The seed onions did not winter well and when the crop was put out in some instances the land was too wet to admit of sufficient working to get a firm seed bed. On the other hand, for the past fortnight the crop has suffered greatly from the drouth that has prevailed, the most remarkable for the season of the year that I can recall in more than forty years' experience as a seed grower.

The seed cabbage suffered greatly from the freeze of mid-Dcember, when the thermometer marked 16 degrees below zero—the lowest December temperature for eastern Massachusetts I have ever known. This caught me with my 50,000 seed heads earth covered only, the leaves and meadow hay not having been added. The result is now showing itself in the seed shoots wilting and falling over—a sure sign that the stumps have rotted from the effects of the freezing.

The extremely dry weather is also showing its effects. How far the two combined will reduce the cabbage seed crop it is impossible at this early stage to prognosticate, but that the injury will be a very serious one is thus far evident. The onion and carrot seed crops are also being seriously affected by the great drouth.

J. J. H. GREGORY.

Marblehead, Mass.

PHILADELPHIA.—D. Landreth & Sons send us the following extracts from their prospectus to travelers on crop conditions.

"Never before, in the hands of merchants, were seed stocks of peas, beans, sugar corn, cucumber, squash, melon, pumpkin, tomato, carrot, and some other families of seeds of past crop so reduced in volume as at present, consequently, never before was there so much depending upon the next crop of seed, and the prospective yield is of unusual interest to all seedsmen who take orders before the crop is made.

"It will be observed we only estimate one family of seeds as up to 100 per cent., these being beans, and while they may be up to 100 per cent., they certainly will not be produced in excess of that, because of late planting. The excessive drouth in the East making the ground so hard it could not be ploughed, and excessive floods in the West making it so soft the crop could not be put in, both of which conditions will certainly result in a late crop, and growth being extended up to the frost line, when there is danger of serious injury, if not total loss. The crop of bush beans altogether depends upon a late growing Autumn. The prospective crop of other seeds has already been reduced by the conditions of the past; little improvement can be looked for in them, but quite the contrary.

"This 4th June report, the first of this year's series, is a report so early as to be necessarily vague in its percentages, but it is made out to the best of our knowledge, and is one thousand times better than none at all.

"The column of per cent. reports is as to the total quantity which we now expect to be harvested by growers, in comparison with the quantity necessary to meet the normal wants of the seed purchasing public.

"Bush beans, few yet planted; all will be later than usual, if not caught by frost; production may be normal, that is to say, 100 per cent.

"Peas, Alaska, extra early, and dwarfs, in New York and Canada, already seriously injured by drouth; productions estimated at 65 per cent.

"Peas in New York and Canada, medium and late sorts, 80 per cent.

"Peas in Michigan and Wisconsin, seriously injured by flooding, 70 per cent.

"Sugar corn acreage much reduced by flooding in the West and drouth in the East, causing delays in planting. Crop will be very late, the date of ripening extending to time of frost. We look upon the result of the sugar corn crop as a very serious problem, one which may end in much disappointment. We should not be surprised if the crop will be as bad as last year's, but for short call it 75 per cent.

"Cabbage, poor crop in England, 70 per cent; short crop in Long Island and New England, 75 per cent.

"Turnip, short crop in New England and Long Island, 55 per cent.; poor crop in Pennsylvania and New Jersey, many fields ploughed down, 15 per cent.

"Beet, poor crop in Europe, 75 per cent.; poor crop in Pennsylvania and the East, 50 per cent.

"Carrot, poor crop in Europe, 70 per cent. California crop unknown.

"Spinach, miserable crop in Pennsylvania and Long Island, on account of drouth, 30 per cent.; in California, poor, 70 per cent.

"Cucumber, a considerable portion of the acreage started has been destroyed by drouth or flooding, much of which can never be replanted, because of the scarcity of seed stock. The conditions are very serious. Call it 65 per cent.

"Watermelon. In some sections these are same as canteloupe, cucumber, and, to a certain extent, squash. The same remarks apply to pumpkin, 80 per cent.

"Radish. Winter sorts, in Europe, injured during Winter, 80 per cent.; Spring sorts, 95 per cent.

"Onion seed, possibly a fair production of seed, yet certainly no surplus; 90 days yet remain before it is harvested, during which it will be subject to many risks of injury—95 per cent.

"Onion sets, Chicago crop injured by climatic conditions. Call the crop 85 per cent. Ohio crop small acreage, injured by climatic conditions, 60 per cent.

"Onion sets, Pennsylvania and New Jersey crop very small acreage, not over one-fourth of last year, growers being discouraged by low prices. Call it 30 per cent."

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President; D. S. Lake, Shenandoah, Ia., Vice-President; George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

C. H. Joosten, New York, has received advices from France that owing to very unfavorable climatic conditions there, fruit trees and ornamental stocks of all classes will be scarce, and much higher in price than last year.

Chester Holt, one of the oldest residents of Rochester, N. Y., died in that city last week. He was 84 years of age, and retired from the nursery business, in which he had been engaged for over forty years, three years ago. He leaves a widow and one son.

SAN LEANDRO, CAL.—S. Okada has started a large nursery establishment here.

OMAHA, NEB.—Articles of incorporation of the F. W. Meneray Crescent Company have been filed. The capital stock is placed at $40,000 and the purpose of the corporation is to carry on the business of the F. W. Meneray & Son, dealers in nursery stock.

SPARTA, TENN.—A $10,000 nursery, to be known as the Cumberland Nursery Company, has been organized, with headquarters at Maryland. The officers are: D. S. Pope, of this place, president; Wm. Cooper, secretary and treasurer; T. A. Pope, superintendent. The Messrs. Pope are practical nurserymen of much experience.

Custom House Examination of Trees

That the Customs authorities here are anxious to conserve the nursery and plant interests of the country, at the same time the Government requirements are complied with, is a fair inference from the following letter of Hon. N. N. Stranahan, Collector, New York, referring to a case of trees erroneously ordered into public store there. It was largely through Mr. Kelsey's efforts that the cumbersome and costly method of sending to public store all nursery stock entered at the New York Custom House was changed to the plan of wharf examination—a change that entirely avoids the vexatious and expensive delays incident to the former system and one that has given much relief and satisfaction generally to the trade.

New York, N. Y., May 25, 1903.

Frederick W. Kelsey, Esq.,
150 Broadway, New York City.

Sir: I am in receipt of your letter of May 22, enclosing correspondence relative to ordering into Appraiser's Warehouse one case of trees, ex S.S. Potsdam, which I have duly noted and beg to return herewith.

I find, by inquiry of the Second Division, where the entry was made, that the entry clerk, through inadvertence, ordered this particular package into Public Store.

I regret you were caused any annoyance, and have given strict instructions to the Deputy of this Division that hereafter clerks shall exercise more care in the performance of this service.

Yours respectfully,
N. N. STRANAHAN,
Collector.

H. C. S.

Seasonable Suggestions.

Mulberries ripen their fruit this month. If the seeds are washed free of pulp and sown at once, the beds kept moist, little seedlings appear in a short time, and by Fall are six to twelve inches high.

Hydrangeas intended for layering can be layered now. As soon as there is length enough, do the work at once. Increase can also be effected by green wood cuttings under glass.

Strawberry runners are forming. When pot plants are desired it is much easier to cut off the runners as soon as a few roots have formed, pot them and place in a shaded frame, where they soon establish themselves in the pots. When runners are scarce and valuable, this plan may not answer, as it means a loss of some runners; but it is far easier work.

Where grafting above ground has been done, it is necessary to carefully run a knife through the tying material when the union is assured, that the bark may expand freely.

As soon as the shoots of Japanese maples are of sufficient length they may be layered. The sooner the work is done, the better rooted the stock will be by Fall.

The blood-leaved peach is a handsome small tree in Spring. In the first place, it has large, light pink flowers; then follows the foliage—blood-red when fully expanded. It is a good selling tree. Its propagation is the same as that of other peaches.

The call for California privet for hedges is a constantly increasing one. Almost any quantity can be raised by green wood cuttings under glass. The wood will soon be in proper condition for use.

If the old flower heads of rhododendrons are picked off as soon as flowers decay, the plants are more likely to set flower buds than otherwise, though a plant that blooms profusely one year is not apt to produce many the next.

It pays to start young trees with straight leaders, even at the expense of placing stakes to them for a season or two. This is the time to do the work.

ENGLISH HOLLY.
Courtesy of Bobbink & Atkins, Rutherford, N. J.

The Japanese White-Flowered Dogwood.

Writers and others have frequently referred to the fact that the flora of Japan represents our own more closely than that of any other country does. Many of the trees and shrubs of that country represent ours closely. A case in point is that of the large-flowered dogwood, Cornus Kousa, formerly called Benthamia japonica. Some, on seeing this blooming in our woods, would take it for our Cornus florida, though to the practical eye differences in both flower and foliage are perceptible. In addition to this, it flowers about two weeks later than ours does.

No doubt it could be increased by working it on our common dogwood.

Oriental Poppy.

What a fine display is made by the oriental poppy at this season of the year! And, best of all, is the indifference of this plant to drouth. While almost all plants in the herbaceous borders are dried up, some of them being nearly dead, the poppies are in the height of excellence. The explanation is that the long tap roots of these plants find abundance of moisture deep in the ground. It is a hint, too, to keep stock for selling in pots, as it is hard to get these plants to live taken from the open ground in Spring, owing to the absence of fibres.

Hardiness of English Holly.

So general has the custom become of using the English holly bushes for Christmas, that what to do with the bushes afterward is a question many ask. The most of these hollies that are imported run in height from four to eight feet, and having been grown especially for the purpose, are generally well provided with roots, ensuring their living, if treated with ordinary care. To know just how far north they will live out in Winter requires further trials. So far as relates to Philadelphia and vicinity, the holly is hardy in any fair situation. The few large solitary specimens to be seen here and there prove this. That there are not more large ones arises from the fact that it was believed this holly was too tender for outdoor use, hence but few planted it. It is different now. Quite a number of small-sized trees are to be seen—bushes now; but let us hope they will become trees.

Many of those used for Christmas have been planted out of late, giving hope of seeing a great many of this beautiful holly in time. The probabilities are that it could be planted to New York City and along the coast further east for some distance.

There have been doubts expressed as to the reliability of these hollies to produce berries again, as they had when imported. The chances are much in favor of their doing so. The holly is supposed to bear, some male flowers, some female, and others perfect ones. That these imported ones had berries shows they were either female or perfect sorts.

The bright green leaves of the English holly and bright berries, more lustrous than those of our native species, make us desire very much that this plant will prove hardier than supposed.

The small, greenish white flowers of the holly appear with the new growth, just as it pushes forth in Spring.

A Hawthorn-Scented Shrub.

It is not a correct statement that hawthorns will not thrive in this country. They do very well, only asking that, if possible, a cool situation be given them. Heat, whether at the root or overhead, they can do without.

There is a substitute shrub, or small tree, for those who think they cannot have the hawthorn. It is Photinia villosa. The flowers appear almost identical with those of the hawthorn, as a twig cut off would prove, and there is much resemblance in the odor of the blossoms. To add to all, there are the clusters of scarlet berries in the Fall. It flowers with the hawthorns; and in old botanies the photinia was classed with cratægus, the name of the hawthorns. JOSEPH MEEHAN.

Scarborough, N. Y.

About five miles from the Tarrytown, N. Y., office of the F. R. Pierson Company are located the firm's nursery grounds, which embrace twenty-five acres of land. The mode of planting employed conveys to the visitor the impression that this is a private establishment, planted for effect rather than for nursery purposes. Excepting for a few young deciduous trees, the nursery method of planting in rows is entirely dispensed with. The planting is done with a view to obtaining specimens; this applies equally to both deciduous and coniferous subjects; thus, as previously stated, the grounds resemble a well-kept private estate more than a nursery.

Driveways wind in and out among the plantations. There are no closed gates at the entrance to bar passing vehicles, and a drive through the nursery has come to be one of the features of the neighborhood.

Among the evergreen shrubs, we notice some beautiful types of the blue spruce, one, of a drooping habit, being especially handsome. The variety is Picea pungens glauca pendula. Dotted among the borders are huge pillars covered with Crimson Rambler roses, which lend a striking effect to the balance of the shrubbery. Here are also a lot of fine standard grown wistarias, six or seven feet high and about six feet through. Japanese maples, in all their color and beauty of leaf, are seen at intervals along the borders, their rich colors being brought out to perfection through the proximity of some dark-leaved, sombre pinus. Ghent azaleas were a mass of bloom at the time of our visit; and rhododendrons, many of them in standard form, were also putting forth their massive blossoms. Some of the spiræas were also a grand sight, particularly the yellow-leaved one, S. opulifolia aurea. Many specimens of the golden oak were also seen here, and they are certainly among the prettiest of golden-leaved subjects.

With the great diversity of flowering shrubs, and the extensive plantings of herbaceous stock, including one of the most complete collections of perennial phlox, the grounds here present an ever-changing picture from week to week, beginning with earliest Springtime and not ending until the frost has destroyed the last vestige of Autumn blossoms.

The new greenhouse that Mr. Pierson had erected here last November is of the Pierson-Sefton type, 300 feet long and 55 feet wide. At present it is filled with commercial palms, including all the best varieties in various sizes. One has to stand in the center of such a house, filled with palms, in order to realize the vast space such a building encloses. On the terraces fronting the house are placed specimen bay trees and hydrangeas, alternately, along the whole 300 feet, which gives a most finished and attractive appearance to the massive glass structure.

In close proximity is located the rose-growing establishment of F. R. & P. M. Pierson. It is in this range that many of the finest American Beauty roses seen in New York are grown, and from the present condition of the houses it is evident that there will be a continuous supply of this rose right through the Summer.

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THIS magnificent volume contains 300 pages of the most valuable and instructive information on the subject of Carnation Culture ever presented. Every carnationist needs a copy; every grower should have a copy. Handsomely printed in clear large type on elegant wood cut paper. The illustrations are from life and are of an unusually high order of excellence. Order at once, or send 2-cent stamp for sample pages giving synopsis of contents, index, list of illustrations, etc.

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Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

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1,500 Assorted Geraniums, named, 3 in., $3.00 per 100 to close out. **Chrysanthemums**, rooted cuttings, White Ivory, Glory of Pacific and Whilldin, $1.50 per 100. Appleton and Eaton, $2.00 per 100.

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Also Appleton, Mrs Jerome Jones, John K. Shaw, Robinson, etc., out of 2¼ inch pots, branched or single stem, your choice, $2 50 per 100; $20.00 per 1000. Exhibition Varieties and Novelties of 19 2, $4.00 per 100.

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Fine, strong stock in 2½ in. pots.

Col. D. Appleton, Chadwick, Mrs. T. L. Park, Timothy Eaton, White Bonnaffon, Yanariva, Yellow Bonnaffon, Jerome Jones, Hobson, $4.00 per 100; $35.00 per 1000.

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We are now booking orders for our beautiful new pink Chrysanthemum

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$25.00 per 100, from 2½ in. pots.

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Chrysanthemums, Coleus, Cannas, Etc.

STOCK IN FIRST-CLASS CONDITION, FROM 2¼ INCH POTS.

No less than 5 of one variety at these prices.

	Per 100
Acalypha, Macfeeana	3 50
Achyranthes, Emersonii, Verschaffeltii, Rosea	2 00
Asparagus Sprengeri, 2½ in. pots	3 50
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Such varieties as Fire Brand, Fire Crest, Golden Bedder, Seyboldii, Massey, Pink, Golden and Crimson Verschaffeltii, and the Dwarf varieties Annie Pfister and Pfister, which only grow about 7 inches high.

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ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, Strong plants, from 3 in. pots, standard sorts, **60c.** per doz; **$4.00** per 100; **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

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HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
STROBILANTHES Dyerianus, 75c. per doz.	5 00
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" " 2 " "	6 00

Send for our Trade Catalogue. It is not an elaborate affair, but it contains a full list of Greenhouse, Bedding and Vegetable Plants at living prices.

Notice our Vegetable Plant Advertisement in this issue.

R. VINCENT JR. & SON, White Marsh, Md.

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SEASONABLE STOCK

ALL IN FIRST CLASS GROWING CONDITION.

WHITE MOONFLOWER, 2½ in. $2.50 per 100; $20.00 per 1000.
BEGONIA, Vernon and Vulcan, $2.00 per 100.
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SALVIA SPLENDENS, 3 inch, $3.00 per 100.
AGERATUM, Stella Gurney and P. Pauline, $2.00 per 100.
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ABUTILON ECLIPSE, $2.50 per 100.
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KENTIA BELMOREANA, 2½ inch, $6.00 per 100.
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THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

IN BUD AND BLOOM

Geraniums, various light colors, 3½ in. pots, $5.00 per 100. Ivy Geraniums in var., 3½ in., $5.00 per 100. Cannas, Italia, Austria and Charles Henderson, 4 in., $5.00 per 100. Verbenas, 3 in., $2.50 per 100. Nasturtium, mix., Thunbergia, mix., Lobelia, Parlor Ivy, Maurandya, Tradescantia, 2 vars.; Mignonette, Coleus, dark, $2 50 per 100. Scarlet Sage, 2½ pots, $2 50 per 100. Vinca Var., 3 in., $3.00 per 100. Ageratum, dwarf blue, 2½ in., $2.50 per 100, Vernon Begonia, very fine, in bloom, 2½ in., $2.50 per 100. White and Pink Begonias, in 2½ in., $2 50 per 100. Asters, in 2½ in., mix., $2.00 per 100. Fuchsias, Storm King, Avalanche and Elm City, 6 in., fine, $10.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

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From 2-Inch Pots.

TO CLOSE OUT.

		Per 100
500	**Mrs. Roosevelt**	$12 00
200	**Golden Beauty**	6 00
200	**Viola Allen**	6 00
1000	**Harry Fenn**	6 00
1000	**Alpine Glow**	10 00
250	**Gaiety**	6 00
100	**Marshall Field**	10 00
200	**Penelope**	8 00
100	**Floriana**	3 00
200	**Challenger**	6 00

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20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

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MUMS

Large list of good varieties.
R C. $1.00 per 100. Prepaid for 10c. extra.

COLEUS. Golden Bedder, Verschaffeltii, and other good sorts, 2-in. pots, $1.75 per 100; $15.00 per 1000. R. C 60c per 100

Alternanthera, red and yellow, $1.75 per 100; $15.00 per 1000.

AGERATUM Gurney, P. Pauline, and Best White R. C. 60c. per 100.

STEVIA SERRATA R. C. 75c. per 100.

STEVIA S. variegata R C $1.25 per 100.

Tomatoes, Paragon, Ponderosa, Imperial, 75c. per 1000, for one week.

Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

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WELL ROOTED CUTTINGS
Ready June 20th.

In following varieties. Stock guaranteed or money refunded. $12.00 per 1000.

Eaton, Niveus, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, G. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean.

Plants from 2 in. pots, $20.00 per 1000.
CASH WITH ORDER.

L. I. NEFF, Pittsburg, Pa.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

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Carnation Specialists

JOLIET, ILL.

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Carnations

F. DORNER & SONS CO.
LA FAYETTE, IND.

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Carnation Supports

—ALSO—

Wire Rose Stakes and Tying Wire

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Now is a good time to get them out, and why not grow the best? La France leads them all; will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: **La France,** $1.00 per 100; $8.00 per 1000. **California** and **L. H. Campbell,** 75c. per 100; $5.00 per 1000. Add 15c. per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa. Cash with order, please.

P. M. DE WITT, Bridgewater, Bucks Co. Pa.

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Grand Rapids VIOLET STOCK

Imperial, M. Louise and Swanley White, R. C. and divisions, $10.00 per 1000.

Lady Campbell, $7 50 per 1000; pot plants, $25.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
ASTERS, Semples, in 5 varieties, 2½ in. pots,	$1.50
AGERATUMS, in 3 varieties, 3½ in. pots...	2.50
COLEUS, in variety, 2½ in. pots	2.00
FUCHSIAS, in variety, 2½ in. pots.	2.00
" " in bud and bloom, 4 in. pots	6.00
GERANIUMS, in variety, in bud and bloom, 4 in. pots	5.00
HELIOTROPES, in variety, 2½ in. pots	2.00
" " 3½ in. pots	4.00
GERANIUMS, Happy Thought, 2½ in. pots	3.00
ROSE GERANIUMS, 4 in. pots	5.00
SALVIA SPLENDENS, 4 in. pots	4.00

At these prices the selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing

BEGONIAS

2½ in., $2.50 per 100.
Argentea Guttata, Metallica, Thurstonii, Marguerita.

SALVIAS, 2½ in., $2.50 per 100; Splendens, The President and Chreaton.

COLEUS, 12 varieties, 2 in., $2.00 per 100.

GERANIUMS, 2 in., $2.50 per 100; Mme. Salleroi and Mt. of Snow.

DOUBLE NASTURTIUMS, 2 in., $2.50 per 100.

CENTAUREA GYMNOCARPA, 2 in., $2.00 per 100. Cash with order.

C. P. DIETERICH & BRO., Maysville, Ky.

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JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking **Chrysanthemums,** Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York City

Branch Store, 404 East 34th Street, New York.

Mention the Florists' Exchange when writing.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

GERANIUMS

S. A Nutt, Jean Viaud, Marquis de Castellane, etc., 4 in, $5.00 per 100.

FUCHSIAS

Little Beauty, 3 in., $5.00 per 100.

ARL HAGENBURGER,
West Mentor, Ohio.

ntion the Florists' Exchange when writing.

rong lants **CANNAS** From 3½ in. Pots

lphonse Bouvier, Austria, Burbank, Creole, as. Henderson, Doyen Jo Sisley, Egandale, nces Crozy, F. R. Pierson, Florence Vaughan, ia, J. C. Cabos, J. C. Vaughan, John White, s. Carnot, Paul Bruant, Paul Marquant, Queen rlotte, Thos S. Ware, $6.00 per 100.
eaute Poitevine, Chicago, Duke of Marlboro, orado, Mlle. Berat, Oriole, Pres. Cleveland, a Pres. McKinley, Pierson Premier, Secretaire banne, Souvenir d'A. Crozy, Tarrytown, price 0 per 100.
r dormant tubers see page 633 issue May 9th.

N OT **ROSES** HEALTHY STOCK

ide / **idesmaid** — From 3-in. pots, $7.00 per 100; $60.00 per 1000.

GRAFTED ROSES.

		Per 100
lden Gate, **idesmaid,** **ide,** **otton**	3-inch pots	$15.00
	2¼-inch pots	12.00

HRYSANTHEMUMS

Fine stock from 2½ in. pots.
dula, Autumn Glory, Col. Appleton, Dorothy ens, Eureka, Gold Mine, G. W. Childs, Idavan, R. McArthur, Mme. Gastellier, Minnie Wanaer, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. Park, Nagoya, White Bonnafton, Xeno, Yanariya, othy Eaton $4.00 per 100; $35.00 per 1000. Ada ulding H. W. Rieman, Mrs. J. Jones, Mrs. S. T. rdock, Major Bonnaffon, Mrs. S. Humphreys, g. Graham, Mme. F. Bergmann, Niveus, Rose n, Thos. H. Brown, W. H. Lincoln, $3.00 per $27.00 per 1000.

ISCELLANEOUS PLANTS

Ready for Immediate Sale.

	Size Pots	Per 100
hyranthes, Emersonii, etc.	2¼ in.	$3.00
themis, Double Golden Marerite	2¼	3.00
paragus Sprengeri	3	6.00
ernanthera, red and yellow	2¼	3.00
eratum, white and blue, Prinss Pauline, and Stella Gurney	3	5.00
	2¼	3.00
phea, Platycentra	2¼	3.00
ous, all the leading varieties	3	4.00
" " " "	2¼	3.00
nnas, varieties as above list		$6.00 and 8.00
verfew, double white	2¼	4.00
raniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
acæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
chsias, double and single	2¼	3.00
" " " "	3½	7.00
liotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
drangea Otaksa	5	25.00
, German	2¼	3.00
on Flower, white	2¼	3.00
" " " strong	4	10.00
largoniums, 4 varieties	3½	12.00
" " "	2½	6.00
unia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
via, splendens and Bedman	2¼	3.00
" " " "	3½	5.00
lets, Marie Louise, $25.00 per 1000	2¼	3.00
ica Variegata and Elegans	3	6.00

OOD BROS., Fishkill, N. Y.

tion the Florists' Exchange when writing.

Boston.

The Week's News.

The committee of arrangements of the Massachusetts Horticultural Society, at a meeting held Saturday last, decided on some change in the shows of rhododendrons and peonies. The rhododendron show, originally scheduled for June 5, 6 and 7, has been shortened to the last two days, and the peony exhibition has been advanced from June 13, as originally scheduled, to the same days as the rhododendron show.

The last regular meeting of the Horticultural Club was held Thursday evening, this week.

The adaptability of the new location of the Flower Market was well tested on the Friday before Decoration Day, when the market was crowded for two hours. The street in front easily accommodated the enormous number of wagons, which were stretched for a hundred yards either side of the door and lined both sides of the street. It would indeed be hard to find another location so near the center of the city, where so many teams could be gathered without congestion of traffic.

"The American Carnation," by C. W. Ward, is being welcomed by all who have seen it. A copy is kept at the Flower Market, where intending buyers view it and where orders may be left for its delivery.

Anderson & Williams, of Clematis Brook, are cutting a fine lot of Kaiserin Augusta Victoria roses now.

D. Hartford is bringing in some fine frame lily of the valley this week and is shipping considerable to New York.

F. J. N.

The thirteenth Annandale (N. Y.) Rose Show will be held on Wednesday and Thursday, June 10 and 11. John W. Bain, Red Hook, N. Y., is secretary. The judges will be: R. W. Allen, Patrick O'Mara, C. Elliott, John N. May and H. A. Siebrecht.

CANNAS—Started, $2.00 per 100; in pots, $5.00 per 100. Henderson, J. D. Eisele, Berat, Duke of Marlboro, Alsace, Allemania, Austria and Robusta. Cash with order.

J. B. SHURTLEFF & SON,
Cushman Avenue, REVERE, MASS.

Mention the Florists' Exchange when writing.

2000 CANNAS,

In 4 in pots, Chas. Henderson and Mme. Crozy, $5.00 per 100.

An Exeter Steam Boiler, heating about 2000 sq ft., for sale; also a **Hot Air Heater,** to heat about the same.

H. W. WIELAND, Newtown, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

25,000 POTTED AND DORMANT CANNAS.

Potted List—Mme. Crozy, Charlotte, Florence Vaughan, Golden Moon, Shenandoah (bronze-leaved); Duke Marlborough, Crimson Bedder, Souvenir d' Antoine Crozy, Rosemaur (finest pink); Leopard, President McKinley, Alsace, Gloriosa, Philadelphia. Price, fine stock, from pots, $6.00 per 100; $50.00 per 1000.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Golden Moon, Canary Bird, Burbank, Austria, $1.50 per 100; $12.00 per 1000.

Ampelopsis Veitchi., seedlings, fit to pot, $1.00 per 100; postpaid.

English Ivy, 2¼ in., long tops, $3.00 per 100.

Send for list. **Cash please.**

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

New White Canna
MONT BLANC

THE GREATEST NOVELTY IN CANNAS.

Potted plants, 75c. each; $7.50 per doz.; $50.00 per 100.

PHILADELPHIA ROSE. The Improved Crimson Rambler, 2½ in., 50 per doz.; $10.00 per 100. 4 to 5 in., $4.50 per doz.

GENISTA, 75c. per doz., $5.00 per 100.

ARAUCARIA EXCELSA, 2 to 3 tiers, $5.25 per doz.

ARAUCARIA EXCELSA, 3 to 4 tiers, $7.50 per doz.

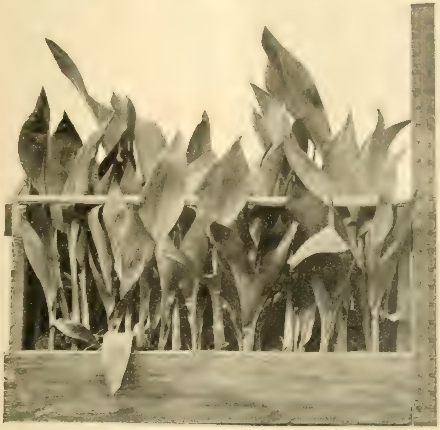
HE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

WHY PAY MORE?

WHEN YOU CAN GET

50 STARTED CANNAS IN A FLAT LIKE THIS FOR **$1.40**



50 STARTED CANNAS of **one kind** in a **flat, $1.40** per flat; **$25.00** per 1000.

ASSORTED KINDS, 50c. per doz.; **$3.00** per 100. Varieties as follows: **Shenandoah,** dark foliage, pink flowers; **Grand Rouge,** handsome, bronze foliage; **Alphonse Bouvier,** crimson; **Chas. Henderson,** scarlet; **Flamingo,** scarlet; **Florence Vaughan,** yellow, spotted red; **Alsace,** white; **Paul Marquant,** salmon; **Madame Crozy,** crimson, golden edge; **Queen Charlotte,** scarlet, wide gold edge; **Italia,** large orchid-flowering, crimson, gold edge; **Austria,** large yellow orchid-flowering; **Burbank,** large yellow orchid-flowering.

DORMANT ROOTS of the above sorts, large pieces, 3 and more eyes, at **25c.** per dozen; **$1.50** per 100; **$12.50** per 1000.

CALADIUM ESCULENTUM

STARTED IN FLATS LIKE THIS

Each Flat containing 50 strong plants, $2.00 per flat; 75c. per doz.; $30.00 per 1000

CHEAP, To Close Out. DORMANT BULBS All with Center Shoots

6 to 8 inches	**$1.50** per 100;	**$10.00** per 1000
8 to 10 "	**2.00** "	**15.00** "
10 to 12 " and over	**4.00** "	**35.00** "

CLUCAS & BODDINGTON CO.

812-814 Greenwich Street, CORNER JANE STREET
TELEPHONE 4390 SPRING
New York City

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

Mention the Florists' Exchange when writing.

CLEARANCE SALE

LAST CHANCE. Decoration Day is gone and now you should close up with seasonable stock. Don't put it off so late that you will miss getting what you require. Our stock is fine. First come, first served. Order to-day. 25 at 100 rate, 250 at 1000 rate.

	Per Doz.	Per 100
Honeysuckles, 2½-in pots, 12 to 15 inches high, Scarlet Trumpet, Halleana, Chinese Evergreen and Golden Leaved, $15.00 per 1000.	$0.30	$2.00
Hydrangeas, Otaksa, Thos. Hogg and red-branched, 2½-inch pots	.50	3.00
Jasmine, Grandiflora or Star Jasmine and Revolutum, the yellow flowered, $18.00 per 1000	.30	2.00
Justicia or Flame Flower, 2 sorts, fine plants, $20.00 per 1000	.30	2.00
Lemon, Ponderosa, has ponderous fruit. Anyone can bloom and fruit it. It blooms in large clusters, the individual flowers as large as tuberoses. It is the best selling plant we have and we recommend it to all florists, 2½-inch pots, $25.00 per 1000	.50	3.00
Lemon Ponderosa, 2½ feet high	1.50	10.00
" " 3 to 4 feet high, 50c each		40.00
Linum Trigynum, always in bloom	.30	1.50
Lantanas, dwarf flowering in best sorts	.40	2.00
Moon Vines, blue and white flowering. Now is the time to buy. Don't put off until you cannot find them. We have 50,000 plants to offer, $15.00 per 1000	.30	2.00
Manettia Bicolor, handsome flowers, $20.00 per 1000	.30	1.50
Asparagus Plumosus Nanus, 2½-inch pots, $25.00 per 1000	.50	3.00
Asparagus Sprengeri, 2½-inch pots, $17.50 per 1000	.40	2.00
Asparagus Sprengeri, 3-inch pots, fine	.75	5.00
Achillea, the Pearl, white flowered, 2½ inch pots, $16.00 per 1000	.30	1.50
Acalypha Marginata, fine bedder, $20.00 per 1000	.40	2.50
Anemone, Queen Charlotte, new large flowered	.50	3.00
Begonias, flowering, 6 best sorts	.40	2.50
Bougainvillea Sanderiana, 2½-inch pots, fine stock for shifting on, $40.00 per 1000	.75	5.00
Cannas, all our Cannas are plants from pots ready to move right off. They are much superior to dormant roots. Mme. Crozy, Mlle. Berat, Queen Charlotte, Florence Vaughan, Paul Marquant and Souv. de Antoine Crozy, $20.00 per 1000	.40	2.50
Crotons, in 5 best sorts, 2½-inch pots	.50	3.00
Caladium New Century, the flowering Caladium	.60	4.00
Coleus, including Verschaffeltii, Hero, Golden Verschaffeltii, Golden Bedder and Firebrand, 2½ inch pots, $10.00 per 1000	.30	1.50
Chrysanthemums, all the leading sorts. We have 100 varieties to offer, $15.00 per 1000	.30	2.00

	Per Doz.	Per 100
Dracæna Indivisa, 2-inch pots	.40	2.50
Daisies, Paris or Marguerite, 2 sorts, white or yellow, the best, $10.00 per 1000	.30	1.50
Dahlias, in 10 best named sorts, $30.00 per 1000	.50	3.50
Fern Balls, 5-inch	2.00	15.00
Fuchsias in all the leading kinds, both double and single, fine young stock, $20.00 per 1000. We are large growers of Fuchsias and have all the best varieties.	.40	2.50
Geraniums, double and single, all leading varieties, 2½-inch pots, $20.00 per 1000	.50	2.50
Geraniums, Mountain of Snow, silver-leaved	.50	3.00
Helianthus Multiflorus, hardy sunflower, $25.00 per 1000	.30	2.00
Hibiscus, 12 leading sorts, $25.00 per 1000	.50	3.00
" Crimson Eye, perfectly hardy	.50	3.00
Primula Obconica Grandiflora, 2-inch pots, $20.00 per 1000	.30	2.00
Passiflora, Constance Elliott, hardy white flowering Passion Vine, $15.00 per 1000	.30	2.00
Rhyncospermum Jasminioides, fragrant white flowers	.40	2.50
Rudbeckia, Golden Glow, $20.00 per 1000	.30	2.00
Royal Purple, Strobilanthes, fine, highly colored bedder, $10.00 per 1000	.30	1.50
Roses; the following roses from 2½-inch pots at $2.00 per 100 and $15.00 per 1000: Mosella, Hermosa, Burbank, Clio, Climbing Soupert, Ivory, Bride, Bridesmaid, Mme. Jos. Schwartz, La France, Mme. F. Kruger, Rainbow, Safrano, Mme. C. Kuster, Jersey Beauty, Manda's Triumph, Gardenia, Universal Favorite, Mrs. Lovett, Greville or Seven Sisters, Henry Martin, Pink Moss.		
Sage, Holt's Mammoth, $10.00 per 1000	.40	2.00
Spiræa, Anthony Waterer, 2½-inch pots, $25.00 per 1000	.50	3.00
Spiræa, Caryopteris, Hardy Blue Spiræa, $25.00 per 1000	.50	3.00
Salvias, Le President, Dwarf Scarlet Salvia and Splendens. The old stand-by, $15.00 per 1000	.40	2.00
Solanum Azureum, the blue flowering Solanum, extra fine, $25.00 per 1000	.50	3.00
Vinca Major Variegata, 2-inch pots, $10.00 per 1000	.30	1.50
Violets, Princess of Wales, California and Hardy Russian, 2½-inch pots, $18.00 per 1000	.40	2.00
Violets, Hardy English double flowered, $20.00 per 1000	.40	2.50

ADDRESS THE GOOD & REESE CO., Springfield, Ohio

THE LARGEST ROSE GROWERS IN THE WORLD.

Mention the Florists' Exchange when writing.

If you want the best paying crop that you can plant for Summer, plant

THE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The demand has been so great and our advance sales so large that we have not offered it recently, having only just completed filling our advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. **Now is the time to invest** in it and get the benefit of the tremendous demand and good prices which are sure to prevail another season.

The **BOSTON FERN**, although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION: How To Grow It

By C. W. WARD

Price $3.50, Carriage Paid. Sample pages, giving synopsis of contents, mailed on application

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Cleaning Up Time

Some Low Prices on Some Good Stock.

2000 fine, thrifty **GERANIUMS**, 3 in., $3.50 per 100; 3½ in., $5.00; 4 in., $6.00. Elegant stock, splendid value.

VERBENAS, Henderson's Mammoth, $1.50 per 100. **Not seedlings.**

CANNAS Mme. Crozy, Florence Vaughan, Chas. Henderson, Queen Charlotte, Flamingo, Austria, and mixed yellow, large 4 in., very strong, coming in bud, $6.00 per 100.

IVY GERANIUMS, 4 in., $6.00 per 100.

COLEUS, 12 choice varieties, 2 in., $2.00 per 100.

Tuberous Rooted BEGONIAS, 4 in., in flower, $7.00. Retail at 25 cts. each.

ROSES, Bridesmaid, Golden Gate, Perle, $1.50; Ivory, $2.00; strongly rooted cuttings.

W. H. GULLETT & SONS, Lincoln, Ill.

Mention the Florists' Exchange when writing.

BARGAINS PRICES REDUCE

JAPAN FERN BALLS In Fine Conditio

5-7 inch, per doz., $1.35; per 100, $9.00. 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $26.00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $22.00.

Cycas Revoluta Stems From ½ to 3 lbs. and from 6 to 15 lbs., ab 350 lbs to the case, per 100 lbs. $6.50; by case, assorted sizes, per 100 lbs., $6.00.

JAPAN BAMBOO CANE STAKES
THE VERY BEST IN THE MARKET

6 feet, ¼ to ⅜ in., per 1000, $6.00; per 2000, $1
3 " ¼ ⅜ " " 3.50 "
3 " ¼ inch " 3.25 "

FOSTITE for **Mildew** on **Roses** and **Carnation Rust**, per 25 pounds, $2.50.

CASH WITH ORDER, PLEASE.

C. H. JOOSTEN, Importer, 201 West St., New Yor

Mention the Florists' Exchange when writing.

BASKET PLANTS

A fine assortment of best varieties for baske and vases, now ready for shipment at once. A from 2 and 2½ inch pots.

OUR PRICE { $2.50 per 100.
{ $24.00 per 1000.

WEBSTER BROS., Plantsmen, Hamilto Canada

Mention the Florists' Exchange when writi

CANADIAN NEWS

Ottawa.

News of the Week.

The weather is very dry; no ra this Spring. Very cold nights, wi several severe frosts, occurred the pa week. On the 24th, C. Scrim lost sor 2,000 bedding plants which he h planted out at a neighboring pleasu resort, everything going except pa sies. Carnations do not seem to ha suffered from the cold, although o lot had 10 degrees of frost; but the ve dry weather keeps the plants just e isting.

Rose planting in the houses has co menced in earnest. Young plants a looking well. Quite a lot of Americ Beauty will be planted this year.

We are right in the midst of the pla trade. This year the first of June h been proved the earliest date to pla out tender stock and put out boxes a baskets. As usual, we are not prepar for the red geranium rush; with so the plants are already cleaned out a the business not half done. The mand for verbena boxes has doubl and some good work has been turn out in that line. The plant trade very good. In the stores, business co tinues fair, and funeral flowers a stock generally good.

R. Wright's store and greenhouse Spark street are being pushed.

Graham Gros. and C. Scrim are an iously waiting for the finish of Spring sales that they may comme building operations.

Mr. Creighton, representing Dreer, Philadelphia, was in town last we and spent Sunday here.

LONDON, ONT. — Roses, Ameri Beauty, fancy special, $20.00 to $30 culls and ordinary, $5.00 to $15.00; Br and Bridesmaid, $4.00 to $6.00; Gol Gate, $4.00 to $6.00; Kaiserin Augusta V toria, $4.00 to $6.00. Carnations, infe grades, all colors, $1.00 to $2.00; stand varieties, $2.00 to $3.00. Lily of the v ley, $2.00 to $3.00.

Warm weather brought on a heavy c during the last two weeks in May, prices tumbled to the lowest notch. quality also deteriorated, particularly Bride and Bridesmaid. Carnations getting smaller, but are still of good qu ity. The supply has been rather lar than the demand, excepting for wh which, with the constant call for fune work, has been kept up close. Bedd plants are moving fast, with prices less than 25 per cent. higher than those last year.

3,000 COLEU

Fine plants, from 3 inch pots, $3.00 per 100.

CANNAS Fine sorts, Mme. Crozy Austria, 4 inch pots, $5 per 100. Cash with order.

J. & W. LEACH, Astoria, L. I., N.
1010 De Bevoise Avenue

Mention the Florists' Exchange when writ

Philadelphia.

ws of the Week.

This has been the busiest week en in June for a long time; in fact, ny of the stores show as much anition as is seen around Christmas ne. All this is caused by the large of weddings and the commencent exercises at several popular lies' colleges. All of the retail stores a share of this business. H. H. ttles, Hugh Graham, Robert Crawd, Jr., and George Craig were all rking hard. Joseph Kift & Son also d all they could handle. Pennock os. worked their full force up to 11 n. Monday and up to 2.30 a.m. Tuesy; this firm had over 300 orders for flowers for Bryn Mawr College for ednesday, in addition to several wedgs, and from present appearances s good work will keep up for a few ys, as nearly every store has orders oked ahead.

nnsylvania Horticultural Society

The special meeting for the exition of outdoor roses was very sucsful, and a grand lot of roses was ged—rather an exceptional collecn for such a season as this. The gest exhibitor was Wm. Robertson, rdener to John W. Pepper, Esq. His ibits took first for six vases, three oms each, and first for one vase of brid and one vase of tea roses. John Cleary, gardener to Wm. Weightn, Esq., took first for the best coltion of roses. There were a great ny more hybrid teas and tea roses ged than in former years, showing tendency of the public to grow se plants out-of-doors. In these sses the varieties Kaiserin Augusta toria and Maman Cochet predomind. Probably the most pleasant surse was the grand vase of Liberty in collection of Wm. Robertson; these re planted out last year, protected y with short manure around the se during Winter and not a plant s lost. All are now blooming freely l producing even better flowers than obtained under glass.

r. Robt. Huey made a short adss on outdoor roses, and described ne new varieties he had tried. He ted that he still believed in budded es for outdoor planting.

Ir. Jones, of Conard & Jones, West ove, Pa., stated that they had been erimenting with root grafting, putg hybrid roses on to Crimson Ramr roots, and, so far, they felt enraged, as the plants did well and no kers were sent up.

rists' Club.

The meeting on Tuesday was well ended. A paper on wrought-iron e was read by Walter H. Whetstone. is was considered the most pracal paper yet given on this subject. answer to a question how to tell el from iron pipe, he said the only t he knew of was by nitric acid. A. Hamilton, an associate member of club and a representative of the tional Tube Co., or Pipe Trust, had pared a paper upholding steel pipe, l took exception generally to Mr. etstone's remarks.

onvention matters came in for some ention. The time from here to Milukee by rail is about 30 hours; the e will be $27.75 for the round trip hout sleeper charges. Friend tt's invitation to attend church in ffalo is appreciated, but it would an to leave here Saturday.

reparations are going on for the to Morrisville on the 17th.

Vednesday at 5.30 p.m. a messenger boy was seen going south on a Twelfth street car carrying a bride's shower bouquet in one hand and a bridesmaid's bouquet in the other. He stood on the front platform. The ribbons and flowers they were fastened to on the shower bouquet rested on the platform. People entering the car kicked the ribbons or trod upon them, as our German friend would say. The next time you send a messenger boy with bouquets don't do it. DAVID RUST.

Chicago to Milwaukee.

The Chicago Florists' Club have selected the Chicago, Milwaukee & St. Paul Railway as the official road from Chicago to Milwaukee for those wishing to attend the S. A. F. convention to be held in that city in August. We have made arrangements for a special train from Chicago, and we invite all florists passing through Chicago to join our party. In buying their tickets, see that they read via Chicago, Milwaukee & St Paul Railroad from Chicago to Milwaukee.

WALTER KREITLING
Chairman Transportation Committee.

Hail Note.

FOSTORIA, O.—E. R. Sackett, the Fostoria Floral Company, was damaged by hail last week; loss about 5,000 feet.

00,000 PANSIES Florists' International,
finest strain in the United States. Strong nts in bloom, $15.00 per 1000. Smaller transnted, $10.00 per 1000. Also **Giant Pansies** in om; **Forget-me-nots, Sweet William** isies, Longfellow and Snowball, in bloom; nthus plumosus, Dianthus Heddewigii, Gyphila. All transplanted, strong, $1.25 per 100; lding Plants in 20 varieties. Wholesale price mailed free. Call or write.

LUDVIG MOSBÆK.
St., near South Chicago Ave., Chicago, Ill.
ntion the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent; also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

GARDENER, Dane, 32, just landed, wishes position on a gentleman's place. M. Jacobsen, 830 St. Nicholas Ave., N. Y.

SITUATION wanted by florist, single, 27; carnation grower, general greenhouse work. Reference. Address Florist, 162 E. 23d St., N. Y.

SITUATION wanted by young man, 27, greenhouse assistant; sober, honest, and willing. Henry Bauer, 439 E. 82d St., New York City.

POSITION wanted, by competent German grower, single, to take full charge; 32 years' experience in all branches. Address X. A., care Florists' Exchange.

SITUATION wanted by young man, 23 years of age, German, 9 years' experience with general greenhouse stock. Fred E. Sabransky, 89 Henry St., Brooklyn, N. Y.

WANTED, by a first-class gardener, position as foreman on commercial place; thorough knowledge in all branches of horticulture. Address X. D., care Florists' Exchange.

A GOOD CUT FLOWER GROWER needs position, well known to trade of New York as a grower of high-grade carnations. Married. F. W. Godfrey, Port Richmond, S. I., N. Y.

SITUATION wanted by florist, gardener, single, French, 41. Understands greenhouse work, landscaping, fruits, vegetables, garden and all branches inside and outside. Can take full charge of gentleman's place. Gardener, 221 W. 35th St., New York City.

SEEDSMEN—I am open for position in mail order department as manager or assistant. I have had over 15 years' experience in writing, illustrating, and printing catalogues. I am fully conversant with all vegetables and flower seeds and Summer bulbs. East or West. Address X. B., care Florists' Exchange.

HELP WANTED

WANTED, experienced rose grower, married man preferred. S. J. Reuter, Westerly, R. I.

WANTED, a sober, capable, all around man on a commercial place. Reference required. Geo. E. Felch, Ayer, Mass.

WANTED, young man for general greenhouse work. State wages. Mercer Floral, 1200 E. Hamilton Ave., Trenton, N. J.

HELP WANTED

WANTED—Two men who have had good experience in general greenhouse work. Steady positions, good wages. Apply Charles L. Stanley, Plainfield, N. J.

WANTED, a good gardener who can attend to all kinds of plants. Please call Frederick W. Hopfe, First Entrance to Lutheran Cemetery, Middle Village, N. Y.

WANTED, experienced rose and carnation growers, permanent positions and good pay to the right men. Married men preferred. Box 124, Colorado Springs, Colo.

WANTED, thoroughly competent man to take charge of section of rose houses, none other need apply. Edgar C. Hopping, Florham Park, Madison R. R. Station, N. J.

WANTED, experienced man on roses and chrysanthemums, must be strictly sober, $12 per week to start, married man preferred. The Worcester Conservatories, Worcester, Mass.

WANTED—For roses and carnations, man with experience; $12.00 per week. Also young man at $10.00 per week. Pittsburg Rose & Carnation Co., Cristal Farm, Valencia P. O., Pa.

HELP WANTED—Men who can handle a hose and cut roses, to take charge of sections of rose houses, apply at once and state wages to Harry Simpson, Supt., Edgely, Bucks Co., Pa.

WANTED—In the retail florist business, two capable, energetic, experienced young men, one for large retail store and one for manager in branch store. Must be good designers and first-class help. Address L. I. Neff, 218 Sixth St., Pittsburg, Pa.

FOREMAN wanted, to take charge of greenhouses; must understand the growing of carnations and roses, and furnish first-class references. Address Robert Hutchinson, 54 W. 23d St., New York City.

WANTED, a single young man of some experience in greenhouse work. Must be an industrious worker and of good habits. Wages $20 per month, board and room. Address X. F., care Florists' Exchange.

WANTED at once, good and reliable man for store; must be first-class on design work and good salesman. Permanent and good situation for capable man. Address, with references, Designer, care Florists' Exchange.

WANTED, by first-class house, good, competent all-around man in the seed department, having good knowledge of vegetable seeds and also implements. All replies strictly confidential. Address X. E., care Florists' Exchange.

WANTED—Strong boy of 19, or young man, to help on florists' place; must be used to field work; $20.00 per month and board to start, and will be advanced as soon as value is demonstrated. Mrs. S. H. Rayner, Greenport, N. Y.

WANTED—Traveling salesman to sell nursery and florists' stock; acquainted with the florist trade. Good wages and permanent position guaranteed to successful man. Satisfactory references necessary. Bobbink & Atkins, Rutherford, N. J.

WANTED, at once, young man with knowledge of outside work, care of shrubs, lawns, etc., and assist in general greenhouse and floral business. A permanent job all year for right man. Address, with reference, experience, wages expected (without room and board), John Doughty, Florist, New Haven, Conn.

WANTED, all-around man to assist in violets and bedding plants; must be quick, willing, and not afraid of work. Married man with small family and a boy to help preferred. Wages $30 per month with house and coal, etc. Increase if satisfactory. Give references. Wm. S. Herzog, Morris Plains, N. J.

BUSINESS OPPORTUNITIES

FOR RENT CHEAP—Small commercial place, immediate possession; write for particulars. Hannah Baeppler, Florist, East Hackensack, N. J.

FOR SALE—Florist place near New York, consisting of 25 lots; 18 greenhouses, 35,000 ft. of glass; good trade. Apply John Thumann, 533 Fulton St., Union Hill, N. J.

WANTED—To sell half interest in well-established nursery, to one who can take charge of the propagating; also want two nursery hands, one of whom will make good foreman. Address Emporia Nurseries, Emporia, Va.

FOR SALE—Rare chance; one of Chicago's best paying wholesale and retail businesses; established 1880 in thickly settled, high-class neighborhood. Place is worth $35,000, consists of new 12-room residence and 3 flat-houses for employees, steam heat and bath; 75,000 ft. of glass, highly modern, with cement walks, automatic ventilation, low pressures, self-return steam, 2 6-16 steel boilers in steel pans; 75 new benches, and everything in best order, elegant store and office. Five different cars passing. Stock is worth $30,000; consists of 60,000 kentias; 20,000 different commercial palms; 1000 ferns, 8000 Boston ferns; roses, carnations, chrysanthemums, and about 50,000 plants for bedding, etc. Annual business, $24,000. Owner has much other business and wishes to retire permanently. Will be sold for about $25,000. Address Florist, 1742 Sheridan Blvd., Chicago, Ill.

FOR SALE.

About 35 miles from Boston, seven greenhouses, with one acre of well cultivated land, suitable for Summer planting. The houses are 100 ft. x 20 ft., and in fairly good condition. They are heated by a No. 11 Furman hot water heater. For full particulars apply to

MR. G. ST. L. ABBOTT,
Room 621, 23 Court Street, Boston, Mass

BUSINESS OPPORTUNITIES

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span, propagating house 100 ft.; potting shed, steam heat, city water, dwelling and stable at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses, modern heating system, hot beds, potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

FLORIST BUSINESS FOR SALE—Established over 30 years in the best location on Massachusetts Ave., North Cambridge, Mass. Well stocked with plants, etc., doing a good business. Selling on account of death of the owner. Apply to Mrs. W. A. Bock, 2388 Massachusetts Ave., North Cambridge, Mass.

FOR SALE or RENT.

Eight greenhouses at Lansdowne, six miles from Philadelphia.

Six Houses 20 x 100 feet
Two Houses 6 x 100 feet

Iron and slate benches; unsurpassed steam plant; water supply, 60 lbs. pressure, together with 2½ acres of land.

CHAS. S. PRICE, Lansdowne, Pa.
Mention the Florists' Exchange when writing.

Auction Sale of Real Estate

TO BE SOLD BY ORDER OF COURT

JUNE 17th, 12 Noon
AT
BEECHER'S EXCHANGE
149 Orange Street, New Haven, Conn.

A valuable tract containing about sixteen acres, situated on Townsend Avenue, an important avenue, and on the line of trolly, within the city limits of New Haven. This property is used as a florist's establishment, is under full operation, having thereon a complete modern, up-to-date plant, including green houses, heating apparatus, etc. Land is well watered, located on a gentle southerly slope. Terms, ten per cent. cash at time of sale, balance on approval of deed by Court.

Dated New Haven, June 1, 1908.

EDWARD C. BEECHER,
Committee of the Superior Court.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS

WANTED—To rent a floral establishment in Virginia, or further South. Address W. E., care Florists' Exchange.

WANTED—To purchase an interest in an established florist business. Have about $1,000 to invest with services. Address H. F. A., care Florists' Exchange.

WANTED to rent or buy, small place with dwelling and greenhouses suitable for roses, located between Poughkeepsie and Albany, N. Y. Address X. C., care Florists' Exchange.

MISCELLANEOUS

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—four thousand feet of glass, averaging 12x14; two boilers, one Exeter and one Prendergast; 1200 feet 1-in. pipe and 300 feet 2-in. pipe. Apply to John Walsh, Flower Market, Boston, Mass.

FOR SALE—New 2 in. black pipe, long lengths, 10c. ft.; 6x8 single American Glass, $2.25 per box; double thick, $2.60 per box; single French glass, 100 ft. boxes, $4.00; 12x14, 12x16, 14x14, 16x18 double American glass, $3.60 per box; 10x12, 12x12, 10x15 single glass, $2.40 per box; 16x24 double French glass, $3.50 per box. Clear Gulf cypress greenhouse material, boilers and ventilating apparatus. Send for prices. S. Jacobs & Sons, 1365 to 1373 Flushing Ave., Brooklyn, N. Y.

SPECIAL NOTICE!

One Sandow Hot Water Heater, small	$27.00
One Perfect Hot Water Heater, 7 sections..	75.00
One Sunray No. 9 Hot Water Heater, 8 sec..	115.00
One Spence Hot Water Heater, 7 sections	73.00
One Ideal Portable Steam Heater, No. 303	73.00
One Cambridge Steam Heater, 6 sections	78.00
One Hitchings Hot Water Heater, No. 16	55.00
One Ericsson Pumping Engine, No. 8	80.00
One Ericsson Pumping Engine, No. 6	55.00
One Rider Pumping Engine, No. 6	110.00

All guaranteed to be in good working order.
Boilers taken in exchange.
New 2 inch Pipe, 10c. per foot net.
Second hand 2 inch Pipe, 8c. per foot.
Second hand 1½ inch Pipe, 5½c. per foot.
Second hand 1¼ inch Pipe, 4½c. per foot.
Second hand 1 inch Pipe, 3½c. per foot.
Second hand ¾ inch Pipe, 3c. per foot.
2,000 ft. unbolted new ¾ inch hose, $5.00 per 100 feet, not guaranteed.
New ¾ inch hose, guaranteed one year for 150 lbs. pressure, 7½c. per foot.
Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.
140-142 11th Avenue. NEW YORK
Mention the Florists' Exchange when writing.

DIANTUM FARLEYENSE

All plants propagated from single eyes, and now ready for a shift. These are the only size fitable to buy at this season of the year.

3 in., $2.50 per doz.; $15.00 per 100. 4 in., $4.00 per doz.; $25.00 per 100.

ADIANTUM CUNEATUM

., $4.00 per 100; $35.00 per 1000. 3 in. $8.00 per 100. 4 in. $12.00 per 100.

ENT PLACE NURSERIES Telephone 8B Summit, N. J.

Mention the Florists' Exchange when writing.

COLEUS

2½ in. pots, $2.00 per 100.

Verschaffeltii, Golden Bedder and Three Other Good Bedders.

CASH.

C. G. PAPSCH, Moorestown, N. J.

COLEUS

Verschaffeltii, Queen and Firebrand, from 2¼ in pots, $2.00 per 100; $18.00 per 1000.

Alternantheras Red and yellow, from 2¼ in. pots, $2.00 per 100; $18.00 per 1000.

Cannas From flats, leading kinds, $5.00 per 100.

Silver-Leaved Ceraniums From 3 in. pots, Silver-Leaved Nutt, $15 00 per 100. Mme. Langwith, $10.00 per 100.

FRANK A. PIERSON,
CROMWELL, CONN.

SURPLUS STOCK

	Per 100	1000
COLEUS, 2½ in., 10 sorts	$1 50	$14 00
IMPATIENS SULTANA, 2½ in.	2 00	
HELIOTROPE, purple, 2½ in.	2 00	18 00
IVY GERANIUMS, 2½ in.	2 00	18 00
VERBENAS, assorted, 2½ in.	2 00	18 00
CANNAS, red and yellow, 3 in.	3 00	
DAISY, white and yellow, 2½ in.	2 00	18 00
HYDRANGEA Thos. Hogg and Monstrosa, 2½ in	2 50	20 00
HONEYSUCKLE, golden leaved, 2½ in.	2 00	18 00
FERN, Maiden Hair, strong, 2½ in.	3 00	
CYPERUS, Umbrella Plant, 2½ in.	1 50	14 00
VIOLETS, Swanley White, Lady Hume Campbell, Luxonne, Princess of Wales and California, 2½ in.	2 00	18 00
CLEMATIS PANICULATA, 3 years old, field-grown	6 00	

THE SPRINGFIELD FLORAL CO.
SPRINGFIELD, OHIO.

---

15 000 VINCA VAR. Good strong plants from cold frames. 2 in. $1.50 per 100; $13.00 per 1000. Cash with order.

P. J. AGNEW, Johnson Ave., Springfield, Ohio.

Mention the Florists' Exchange when writing.

6,000 COLEUS $16.50 per 1000; $1.75 per 100. Ten named varieties. Golden Bedder, Red and Yellow Verschaffeltii, $2.00 per 100. All from 2 and 2½ in. pots. Cash with order Samples, 10 for 25c.

RONEY BROS., WEST GROVE, PA.

Mention the Florists' Exchange when writing.

CHOICE COLEUS from 2½ inch pots, six fine varieties, including Verschaffeltii, Golden Bedder and Golden Queen, $2.00 per 100. Rooted Cuttings of same, 60c. per 100; $5.00 per 1000. Cash with order. **ATLANTIC COAST NURSERIES**, office, 606 Fourth Ave., Asbury Park, N. J.

Mention the Florists' Exchange when writing.

COLEUS Red and Yellow, 55c. per 100. Brightest fancy, 45c. per 100. **BRANCHY STOCK** from soil for immediate planting. Strong roots—Red, Yellow and Giant, $1.60 per 100. Fancy, $1.40 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

FOR SALE CHEAP

10,000 COLEUS, 3 inch pots, bushy
10,000 COLEUS, 2 inch pots, bushy
2000 SALVIA SPLENDENS.
200 COBÆAS, 10 to 15 feet long.
1000 ACHYRANTHES.

Will send samples on application

CHAS. AMMANN,
120th St. & Seventh Ave., NEW YORK.

Mention the Florists' Exchange when writing.

COLEUS

	Per 100
To Close Out, 2 and 2¼ inch pot	$1 50
GERANIUMS, 2½ and 3 inch pot	3 00
ASPARAGUS SPRENGERI, 2 inch pot	2 00
ASPARAGUS PLUMOSUS NANUS, July	2 50
CENTAUREA GYMNOCARPA	1 50
CHINESE PRIMROSE, July ready	2 00
P. OBCONICA ALBA ROSEA and **FORBESI**, July	2 00
SMILAX, July 1st	1 00

Cash.

JOS. H. CUNNINGHAM,
DELAWARE, OHIO.

Mention the Florists' Exchange when writing.

What we have to offer to plant in JUNE, the best month in the year

I am the Moon Vine Grower of the Land

SMITH'S HYBRID MOON VINES (Ipomœa Noctiflora)

We are headquarters for them. Best purest White Moon Vine in existence. Mr. Smith has a reputation for them. Strong plants, 2½-inch pots, now ready at $5.00 per 100; 3-inch pots, $7.00 per 100; 4-inch pots, $10.00 per 100. All nicely staked up.

	Per 100
Ageratums, 4 in., in bloom	$5.00
Geraniums, 4 in., mixed	5.00
Heliotropes 4 in	5.00
Petunias, 4 in., single California Giant, ruffled and fringed, in bloom	7 00
Begonia Vernon, 4 in.	6 00
Scarlet Sage, 4 in.	5 00
Periwinkle, Vinca var., 4 in.	7.00
Fuchsias, 5 in	8.00
English Ivy, 4 in. (large)	12.00
Cobæa Scandens, 4 in	6.00
Honeysuckle, 5 in. and 6 in., 15 to 20c. Small plants, 2½ in	3.00

Petunias, single dwarf, striped, and California Giant, **Marigold, Calendula, Lobelia, Tradescantia, Cuphea, Verbenas, Nasturtiums**, 3 inch, **Coleus**, Verschaffeltii, Golden Bedder and Queen Victoria, **Pyrethrum Aureum.**

We also have a large stock of 4 in. and 5 in. **CANNAS**, such as Florence Vaughan, Poitevine, Columbia, Bouvier, Mme. Crozy, Bismark and Queen Charlotte, the finest plants you have ever seen, only $6.00 per 100.

Dracæna Indivisa, imported, 7 inch pots, very large, only 50 cts.

25 sold at 100 rates.

We have in Small Plants the following out of 2½ to 3 in. pots.

	Per 100
Alternantheras, red and yellow	$3.00
Petunias. Single California Giant, ruffled and fringed	3.00
Dwarf variegated	3.00
Phlox Drummondii grandiflora	3.00
Verbenas, Mammoth, have 10,000 all colors	3.00
Calendula, Prince of Orange	3 00
Sweet Alyssum, Little Gem	3.00
Geranium, Mme. Salleroi	4.00

	Per 100
Pansies and **Forget-me-nots**	3.00
Torenia Fournieri	3.00
Lobelia, dwarf and trailing	3.00
Thunbergia	3.00
Tradescantia	3.00
Centaurea candidissima	3.00
Pyrethrum Aureum	3.00
Coleus, Verschaffeltii, Golden Bedder, Queen Victoria, Etc	3.00
Azalea Mollis, for planting out, hardy, 6 in.	20.00

• **25 sold at 100 rate.**

Dracæna Indivisa, broad leaved, imported, from 7 in. pots, about 30 in. high, 50c. to 75c.; home grown, 5½ in., 25c.

I have ready **CANNAS** as follows Florence Vaughan, Poitevine, Columbia, Bouvier, Mme. Crozy Bismark, 4 in. pots, $6.00 per 100. Plants taken out of pots unless otherwise ordered.

Please send money with orders. **All goods travel at purchaser's risk.**

My best thanks to my customers for their liberal patronage at Easter.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Wholesale Grower and Importer of Pot Plants.

Mention the Florists' Exchange when writing.

Worcester, Mass.

News Jottings.

C. A. Keyes is one of the pioneers in the plant business here. Nearly forty-five years ago he began raising tomato plants at a time when very few knew what they were. As he expresses it: "I was obliged to give away plants in order to induce people to try them." Mr. Keyes celebrates Memorial Day with a runaway, and this year was no exception.

Potter & Cousins, of West Boyleston, make a specialty of pansies. The month of May as a whole was the best they ever had. Mr. Cousins, of this firm, has bought out George Mills, of Concord Junction, Mass., and will take possession in about a week. He has already on the grounds material for a large iron house.

H. F. Littlefield reports a rapidly increasing business. His Memorial Day trade was the largest he ever had. Mr. Littlefield lately bought a piece of property near his residence and has erected on it a good-looking barn. He contemplates building another greenhouse in the Fall.

Fisher & Sons say this is the best season they ever had, especially in their new store, which was erroneously reported as closed.

C. H. Green, of Spencer, also did a big trade, experiencing a shortage of stock.

A correspondent for a local paper states: "C. B. Shaw, representing Lord & Burnham, of New York, will erect a $10,000 conservatory for Winthrop L. Lewis, of Marlboro. The building will be devoted exclusively to carnations and wil be one of the largest for the cultivation of one particular flower east of New York. Mr. Shaw brought with him seven men and will employ others in Marlboro."

George W. Sutherland is installing a new engine.

Schneider, formerly with A. A. Hixon & Son, started in business for himself a little more than one year ago with two houses. Now he is considering the erection of a third one in the Fall.

CAROLUS.

New Bedford, Mass.

The New Bedford Horticultural Society at its last meeting decided to hold a flower show the latter part of September next.

ENGLISH IVY

Fine plants, out of 4 in., pots	$10 00	per 100
" " " 5 " "	20 00	" "
Rooted Cuttings	1 50	" "
Pansy, fine plants, Roemer's strain, in bloom	20 00	" 1000

For growing on: **Hydrangeas**, 4 in., nice plants, $6.00 per 100; Rooted Cuttings, $2.00 per 100. Genista, dwarf, fine plants, out of 2½ in. pots, $4.00 per 100. **Begonia semperflorens**, 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

CHAS. ZIMMER, West Collingswood, N. J.

Mention the Florists' Exchange when writing.

VERBENAS

IN BUD AND BLOOM

2½ in. pots, $2.50 per 100; $20.00 per 1000
3 " 3.00 " 25.00 "

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted, $2.00 per 100; $17.50 per 1000.

GERANIUMS, the very best standard sorts, fine stock in bloom and bud, 4 in., $6.00; 3 in., $4.00; 2 in., $2.00 per 100. 20 per cent. less by the 1000.

CANNAS, leading varieties, 3 in., $4.00 per 100.

ALTERNANTHERAS, red and yellow, 2 in., $2 00 per 100; $15.00 per 1000.

BEGONIAS, Gracilis and Vernon, dwarf, $2.00 per 100; $15.00 per 1000.

SALVIAS, 2 in., $2 00 per 100.

FUCHSIAS, 3 in., $4 00; 2 in., $2 00 per 100.

VIOLET Marie Louise, 3 in., $5.00 per 100.

CALADIUM Esculentum, 5 in., $1.50 per doz.

Stock guaranteed the very best.

C. WINTERICH, Defiance, Ohio.

Mention the Florists' Exchange when writing.

Properly Grown—Properly Packe

Ready July 1st.

SMILAX, $1.50 per 100; $15 00 per 100
ASPARAGUS SPRENGERI, $3.(
per 100; $25.00 per 1000.
ASPARAGUS PLUMOSUS, $3.50
$10.00 per 100.

Samples for ten cents in stamps. I have
fine lot of this stock and solicit your trade.

ALBERT M. HERR, Lancaster, P

Mention the Florists' Exchange when writin

BARGAIN

DOUBLE GEN. GRANT and **POIT**
VINE, 4 in., $4.00; 3½ in., $3.50; 3 in., $2.60 p
100. First class strong stock in bud and bloom.

HELIOTROPE, VERBENAS, PETU
IAS, GIANT, MME. SALLEROI GERA
IUMS. Extra fine, bushy, 3 inch, in bud a
bloom, $2.00 per 100.

Ageratum, Blue Lobelia, German I
Fancy Coleus, and **Mme. Salleroi Gera**
iums. Strong 2½ inch stock, $1.50 per 100. Ca

WM. S. HERZOG, Morris Plains, N.

Mention the Florists' Exchange when writi

ROSES

2000 Perle, 2000 Kaiserin, 2000 I
France, 2000 Pink and White Coch
1500 Hermosa, 3 in. pots $4.00 per 100.

5000 Caroline Soupert, 2¼ in. po
$3.00 per 100.

10,000 Chrysanthemum

2¼ in. pots, $2.50 per 100; $20.00 per 10

White and yellow Bonnaffon, Ivo
Appleton, Jerome Jones, Maud De
Eaton, Golden Wedding, Pacific, all
prime condition.

J. D. BRENNEMAN, Box 24, Harrisburg, I

Mention the Florists' Exchange when writi

FIELD-CROWN CARNATION

of best leading varieties.

We are also booking orders for 1904 Novelti
Crusader and Flamingo (scarlet), Relia
(white); Indianapolis (pink), etc.

Chicago Carnation Co., Joliet, I

Mention the Florists' Exchange when writi

ROSES

We grow over 100,000 annually for the trad
the following varieties:

Variety	2x2½-in.	2½x3-in.	3x3-
Bride	$2.50	$3 50	$
Bridesmaid	2.50	3.50	5
Perle	2.50	3.50	5
Ivory	3.50	4.50	6
LaFrance	3.00	4.00	6
Kaiserin	3.00	4.00	6
Wootton	3.00	4.00	6
Belle Siebrecht	4.00	5.00	7
President Carnot	4 00	5.00	7
Golden Gate	4.00	5.00	7
American Beauty	6.00	8.00	10
Liberty	10.00		

We believe in shifting young roses often.
stock offered in 2½-in. pots have been shift
from 2-in. and are equal to most stock adv
tised as 3-in., and when we send it out is w
established. We solicit your order and gua
antee satisfaction. Write for special pri
on large lots.

Ivory is a Money Maker. Be sure and inclu
a few in your order. Send 50c or $1.00 for sa
ples of anything you may want, then you s
exactly the stock you are ordering.

Cannas, 3 and 4-in. **Boston Ferns**, 4-5-6-
and 10-in. **Piersoni**, in 2½-in. **Coleus**, 2-
and R. C. **Asparagus Sprengeri**, 2-3 and
Plumosus, 2-3-4 and 5 in,

WRITE

GEO. A. KUHL, - Pekin, I

Mention the Florists' Exchange when writin

THE AMERICAN CARNATIO

Price, $3.50.

Ready. Write for sample pages.

THE FLORISTS' EXCHANGE, 2 Duane Street, N.

AMERICAN BEAUTY ROSES

We have a fine lot in 2 1-4 inch pots, just ready for shifting or planting, which we offer at

$7.50 per 100; $60.00 per 1000.

From 3½ in. pots, $12.00 per 100; $100 per 1000.

These plants are grown from double-eyed cuttings made from select blooming wood, the same in all respects as we use ourselves. We grow nothing but American Beauty Roses, and both our plants and our blooms are recognized as having no superiors.

These Plants will be Carefully and Lightly Packed, and We Know will Give Satisfaction.

F. R. & P. M. PIERSON, Scarborough-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

HARDY AND OTHER ROSES from 4 or 5 in. pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2-year, from 5 in. pots, 18cts.; 1-year from 3 in., 9 cts., **Clematis Paniculata**, from 5 in. pots, 10 cts. Extra, from 6 in., 25 cts. **Ampelopsis Veitchii**, from 3 in. pots, 5 cts.; from 4 in., 10 cts.; from 5 in. pots, 15 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

Rose Plants

	Per 100
Bridesmaid, 3-inch pots,	**$3.50**
Bride, 3-inch pots,	**3.50**
Ivory, 3-inch pots	**4.50**

JAMES E. BEACH,
2019 Park Av., Bridgeport, Conn.

Rose Plants...

Good, clean, strong plants from 2½-in. pots.

Bridesmaids,	$3.00 per 100;	$25.00 per 1000
Brides	3.00 per 100;	25.00 per 1000
Meteors	3.00 per 100;	25.00 per 1000

We guarantee these to be first-class and right in every way. Give us a **trial order.**

Lake View Rose Gardens,
JAMESTOWN, N. Y.

ROSES

FINE CLEAN STOCK

Bridesmaid and Bride:

3½-inch pots	$ 6.00 per 100
	50.00 per 1000
2½-inch pots	3.00 per 100
	25.00 per 1000

E. R. FRY FLORIST CO.
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ROSES

Grafted

BRIDE and BRIDESMAID

Strong, healthy stock, ready now.
2½ inch

$15.00 per 100; $120.00 per 1000

S. J. REUTER, Westerly, R.I.

Mention the Florists' Exchange when writing.

ROSES

American Beauty

strictly first-class in every respect and as fine stock as we have ever offered. 3-inch stock, $10.00 per 100; 2¼-inch stock, $6.00 per 100.

Bride and Bridesmaid

2¼ inch, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS

	2¼-in. Pots 100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willow Brook	3 00
White Bonnaffon	4 00
Chadwick	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
Golden Wedding	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
Mrs. Coombs	4 00
RED.	
Black Hawk	3 50
John Shrimpton	4 00

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
American Beauty, bench plants, cut down to 12 inches high	5.00	40 00
Meteor, 3½ in. pot plants	4.50	37.50
Golden Gate	$2.50	$20.00
Perle	3.50	30.00
Sunrise	7.00	65.00
Liberty, 3 in. pots, very fine stock	10.00	80.00
Perle, 3 in. pots	5.00	45.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Meteor Rose Plants

These plants are guaranteed choice stock.

3½-in., $4.50 per 100; $37.50 per 1000. Will exchange Meteor for good Bridesmaid and Bride. Cash with order, unless party is known.

BRANT & NOE,
W. Peterson and N. 48th Aves., **CHICAGO, ILL.**

Mention the Florists' Exchange when writing.

ROSE PLANTS

Now Ready at ROSE LAWN GREENHOUSES.

American Beauty, from 2 in. pots, $6.00 per 100; $50.00 per 1000. **Kaiserin,** from 2 in. pots, $4.00 per 100, $30.00 per 1000. **Golden Gate,** 2 in. pots, $20.00 per 1000. **Ivory,** $4.00 per 100. **Helen Gould,** $8.00 per 100. **Mrs. Oliver Ames,** $10.00 per 100. **Bridesmaid,** $3.00 per 100. **Liberty,** 2 in. pots, $6.00 per 100. Cash must accompany order.

J. HENRY BARTRAM, Box 5, LANSDOWNE, PA.
Telephone 45L.

Mention the Florists' Exchange when writing.

YOUNG ROSE PLANTS

BRIDE and BRIDESMAID On Own Roots

From 2¼, 3 and 4-in. pots, at $25.00, $35.00 and $45.00 a 1000.

NEWTONVILLE AVE. GREENHOUSES,
JOHN PRITCHARD, Superintendent NEWTONVILLE, Mass.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.; Sunrise, 2½ in., 3 in; American Beauty, 2½ in., 3 in.; Liberty, 2½ in., 3 in. NO SAMPLES SENT.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa

Mention the Florists' Exchange when writing.

GRAFTED ROSES.

As we shall carry over a larger number of bench plants than we expected, we offer the following young grafted plants very cheap. This stock is all selected.

	Per 100
2000 LIBERTY, 2½ in. pots, large plants	$12.00
2700 BRIDE, 3 in. and 3½ in pots	12 00
700 BRIDE, 2½ in pots	10 00
1200 BRIDESMAID, 3½ in pots	12 00
1400 BRIDESMAID, 2 in. pots	10.00
14000 AMERICAN BEAUTY, own roots, 2½ in.	$40 00 per 1000

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN, 76 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

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Contents.

PAGE
Briefs for Busy Florists.............. 646
Business Difficulties 645
Canadian News 640
Carnations 646
Changes in Business................. 652
Chrysanthemum Society of America Prize List 647
English Horticultural Notes.......... 647
Fertilizers, A Bulletin on............ 650
Government Exhibit at St. Louis.... 644
Greenhouse Pipes, Separating........ 657
Holly, English (Illus.)............... 636
Job and Barne's "Burns" Prize...... 645
Job and The Mule Poem............. 645
Lilies, in Bermuda, Field of (Illus.).. 646
Market, Review of the.... 649
Nursery Department (Illus.).......... 636
Nature Study......................... 644
Nephrolepis, Raising from Spores.... 647
OBITUARY:
John Eldering, Wm E Endicott.. 644
Pipe, Wrought Iron................... 648
Plants and Flowers.................. 644
Platycodon grandiflorum 647
Question Box......................... 648
Reflections on Current Topics....... 645
Seed Trade Report. 635
S. A. F. O. H........................ 644
TRADE NOTES.
Scarborough, N. Y.................. 636
Boston 639
Philadelphia 641
Worcester 642
Detroit 648
New York 652
Chicago, Louisville, Pittsburg, Providence 654
Cincinnati Denver, Indianapolis, Kalamazoo, St. Louis........... 655
Chester, Pa., Woodhaven, N. Y..... 657

PLANTS and FLOWERS

PANSIES.—Peter Brown, Lancaster, Pa., favored this office with some samples of pansies the past week that were of remarkable beauty in coloring, and of large average size. They were of the Masterpiece and Mme. Perret strains, and included about 100 different sorts.

The Pennsylvania Railroad Company will close three of its four large greenhouses at Altoona, Pa. The railroad company is gradually abandoning the cultivation of flowers.

Peter Barr, of London, has arrived home from his globe-trotting tour, looking younger even than when he went away four or more years ago.

Society of American Florists and Ornamental Horticulturists.

All the transportation lines represented in the Western, Central, Trunk Line and South Eastern Passenger Associations have now announced the special rates for the S. A. F. convention at Milwaukee, Wis., August 18-21, 1903. The New England lines only remain to be heard from, and there is no doubt that they will co-operate in the rate agreed upon, which is one and one-third fare on the certificate plan.

It now becomes the duty of State vice-presidents and all others interested in seeing a record-breaking meeting at Milwaukee to get to work and organize so as to get out a creditable representation from their respective districts.

Local agents of the railroads over which parties will travel will be glad to lend active assistance by sending out circulars and otherwise, toward securing a full attendance.

The preliminary program of the convention, which will be sent out early in July, will give full explicit directions as to the manner of procuring tickets and certificates. In the meantime all inquiries addressed to the secretary's office will be promptly answered and all available information regarding any department of the convention will be cheerfully furnished.

WM. J. STEWART, Secretary.
79 Milk St., Boston.

Nature Study.

Nature study, as the cult has aptly and conveniently come to be called, is assuming gratifying proportions throughout the United States, receiving, as it has done, and is doing, encouragement from all those who desire that the youthful generation should be made familiar with the living (and dead) things they see around them. The subject has been taken up and is being fostered by schools, clubs and societies, and the influence which such teaching is exerting is being felt more and more. Much good work has been done along this line by the Cornell University in the distribution of useful pamphlets, as well as by lectures; and Professor Bailey has recently published a book on the subject in which valuable hints and information for the best conduct of the work are furnished.

One of the most energetic bodies interested in the development of the reigning fashion is the Steuben County (N. Y.) Agricultural Society, of which H. L. Drummer, Bath, N. Y., is manager. That association this year offers premiums of the following sums: Children's prizes, $1,000 (individual work, $550, and grade work, $450). A goodly portion of this amount is offered as prizes for plants, flowers, design work, vegetables, etc., the exhibits of school children at the forthcoming fair of the society, which takes place September 29 to October 2 next, while money premiums, books, etc., are to be given for the best essays on subjects dealing with plant and insect life, and drawings of plants and flowers from nature.

In his report to the executive committee of the society, Mr. Drummer makes the following statement relative to the work done and the methods of procedure employed by him:

"Since my first appearance before your committee on April 4, 1900, when the plan of working Nature Study in our public schools was first unfolded to you, the work accomplished in 1901 was much greater than that of 1900 by 600 entries and the work done in 1902 more than doubled that of 1901.

"The plants, flowers and vegetables shown, according to Professor Hunn, the judge of the exhibits, were excellent and even far superior to the specimens generally exhibited at such occasions by adults

"The system of paying premiums in cash is far better than that made use of in the first and second year, when articles for prizes had to be collected from business men and when in many cases articles or cash prizes had to be substituted when the first donor had gone out of business, or had left the town Under the present cash system your manager has time for other work viz., to arrange a course of lectures, church services, field days, and so forth.

"The work of 1903 is now well under way and gives twenty days for the instruction of the children in the study of nature. Seven sermons have been delivered in the various churches of our town on the most interesting subjects of the book of nature as revealed in the Bible, and the manager is at present engaged in making arrangements with the clergy of other towns to take up this work Ten lectures will be given in the course of the Winter in the Casino Opera House, and on the evening of Arbor Day, May 1, 1903, an entertainment was prepared for the school children at the same place The third field day will be held July 15, 1903, and Children's Day at the Fair will close the work for the current year.

"A new feature has been introduced this year, 'grade work,' and your manager has been permitted to lay out a course in drawing from nature in the public schools, to furnish topics of essays and to encourage the schools to make collections of insects, plants, minerals and similar interesting objects for exhibition at the next Fair.

"Without cost to the society your manager has put out 500 grade catalogues for work in the public schools as grade work. With the permission of our secretary the prizes were made payable in cash to the board of education, or to the trustees of a school, and all moneys received as prizes shall be used for the permanent improvement in schools or on school grounds.

'This plan, carried out with the assistance of the Agricultural Society, will not only teach the boys and girls to go about with their eyes and ears open, but it will help the trustees to improve the condition of their schools and school grounds.

"The Hon. Charles W. Gillett, M. C., informs me that he will send me 5,000 packages of seed for distribution in the schools among the Steuben Nature Study Workers, and assures me that he will send me more later on."

In the natural order of things the florist's trade is bound to benefit from work of this kind, and, it seems to us, those striving to promote it should receive the most practical encouragement at the hands of the craft, as well as of the National Society. A medal, a few donations of plants as premiums, or even hard cash, would not go amiss; they will aid a most worthy object and bring their own reward as the years pass.

The diverting of the governmental efflux of free seeds into educational channels of this character merits, at least, no condemnation, and is praiseworthy to the extent of the interest in the growth and care of plants which it will engender among the young recipients.

Government Exhibit at St. Louis.

A unique feature of the Government's open-air exhibit is the school garden, that occupies a large section. This exhibit is under the personal direction of Professor Wheeler, of Michigan, of the United States Department of Agriculture. The liberal space allotted to this exhibit has been cut up into numerous subdivisions, and each of these subdivisions in turn is turned over to the various St. Louis schools. A class of pupils is selected by the principal of the school so honored, and the actual work of planting and cultivating the garden is left to the pupils, under, of course, the general direction of Professor Wheeler. Liberal prizes are offered for the best cultivated garden and for the best results. The sight of the little tots in their knickerbockers and gingham dresses, their sailor hats and sunbonnets, equipped with hoe and rake, is a sight all too seldom seen.

The immense grass garden grown under the personal direction of Professor Spillman, who was selected by the Bureau of Plant Industry to have charge of the entire open-air exhibit, is one of surpassing value and interest. This grass garden occupies on the five-acre plot. In the northern section of that exhibit are a series of sand dunes, constructed so as properly to exhibit the sand-binding grasses. A circular collection of 20 plots of an average size of 10 x 20 feet are planted to the best tested varieties of lawn grasses. These plots are artistically arranged, and are separated by gravel walks. The small lawns are marvels of the landscape gardener's art, and the turf is so thick and so well kept that it appears as a velvet carpet.

Still further south is the section devoted to the ornamental grasses. Here is shown the pampas grass growing up 10, 12 and 15 feet high, and all the other ornamental grasses, including the ribbon grasses, attaining a height of three and four feet down to the dainty little sweet vernal grass that seldom reaches a foot in height.

The seed production section will be of immense value to the agriculturalist. Here the seeds grown in all parts of the world are tested side by side. The growth and results are carefully noted.

Another section west of that devoted to seed production is one equally important and interesting, illustrating the fiber plants, their growth, and the best approved methods of handling. West of this are displays of the poisonous and medicinal plants. Growing side by side are the poison and its antidote. Prominent in the poisonous section are plants that are injurious to stock, notably the famed loco weed. Another dangerous plant is the wild parsnip, little less desirable than the loco plant. In this section are shown the best methods for the extermination of the poisonous plants and also the best remedies for the treatment of horses and cattle after they have partaken of the poisonous growths.

In the medical section beautiful beds of poppies are to be seen, and the methods of obtaining opium and all of the medicines and poisons produced from the weird drug are shown. Here, too, is the foxglove, from which is made digitalis and the deadly night-shade, from which is produced belladonna and numerous other medicinal plants and herbs.

Obituary

John Eldering.

John Eldering, at one time a member of the firm of Eldering Bros., Overveen, Holland, died of pneumonia at Newport, R. I., on May 27. About twelve years ago he was well known to the seed trade of the Eastern States, and was for a time connected with J. C. Vaughan's New York house. For the past five years he was associated with the firm of J. R. Collins & Co., contractors and decorators, New York and Newport. He leaves a widow, but no family.

Wm. E. Endicott.

Wm. E. Endicott, a gentleman well known in horticultural circles in Massachusetts, and a highly respected citizen of Canton, Mass., died there suddenly on June 3.

William Ellis Endicott was born in Canton April 1, 1842. He was educated in the schools of his native town, Chauncy Hall school, in Boston, and Prof. Agassiz's school in Cambridge. He began teaching in 1859 in Sharon, and taught later in Hingham and Quincy.

When the call came for volunteers, he enlisted in the 10th Mass. battery, and served with that command during the war of the rebellion. He was captured by rebels, and was confined in Libby prison for some time.

Upon the expiration of his term of enlistment, Mr. Endicott returned to his home where he resumed teaching in the public schools. He had been the principal of the Christopher Gibson grammar school of Boston more than thirty years.

He was greatly interested in horticulture, and for more than twenty years was the librarian of the Massachusetts Horticultural Society.

He was a man of sterling integrity, unpretending in manner and possessed of a kindly and loving disposition.

Mr. Endicott was a direct descendant of Gilbert Endicott, brother of the famous old John Endicott, later governor of the Massachusetts colony.

FIRMS WHO ARE BUILDING.

EMANS, PA.—Kroninger & Yeager are building new greenhouses.

NO. ABINGTON, MASS.—W. H. Wyman is building a new greenhouse.

SCHENLEY PARK CONSERVATORIES, Pittsburg, Pa.—A new fern house.

PITTSFIELD, MASS. -R. Engelmann & Son are erecting a carnation house, 150x20 feet.

Reflections on Current Topics.

MR. EDITOR: I at all times greatly njoy illustrations that illustrate. That the reason why I was delighted with e picture of what was entitled "The holesale Cut Flower Market, Coogan uilding, New York, Easter Saturday," a Western trade contemporary. The lustration referred to is indeed educaonal. It shows, in a manner, part of e evolution of the cut flower busiss in Manhattan. Who would have ought, a quarter of a century ago en, that the beautiful products of e florists were to find their greatest tlet through what may be called the gean Sea; that the compatriots of nacreon and Esop, of Dionysius and ioscorides, of Thucydides, Plato, phocles and Socrates, would have ffed their skirts and turbans, simuted law-abiding American citizens, d applied themselves to the peaceful ursuit of vending posies! Such a ansformation is enough to make Bouquet Johnny" turn over in his rrow bed.

But what would the cut flower trade without the Greeks; and who can uge how great a factor they have en in the development of America's oral industry? It is safe to say, that ithout them, or some individuals like em, our greenhouse expansion would t have reached its present extent. Without the Greeks, too, it is a queson whether the number of the "legitiate" retail florists would have been eater or the profits of those in the eld larger than they are to-day. Cerin it is, the grower would have been e poorer. My own opinion is, that e street flower vendor injures the tail florist, who claims to be the only wful posy merchant, to the same exnt as does the street shoe-string ller the shoemaker, or the curbstone llar button dispenser the haberasher. It is a progressive sign of the mes that the trade generally is comg to view the Greek flower dealer in e light of his greatest usefulness, and at in most cities—excepting Chicago -he is permitted to ply his vocation nmolested, to his own and the cut ower grower's advantage, and no one's urt. (I will not include the commison man.)

Then there is the case of the plant eddler. Though we hear but little bjection raised to him as a competitor the "legitimate,' he in his particular pecialty stands really in the same retionship to the retail store man as the reek does in his. One has only to atch the plant hawker in his daily erambulations through the highways nd byways of our large cities to mark e extent of the service he renders the ainstay of the florist business—the rower—as well as the very valuable issionary horticultural work he perrms. True, the license fees that each these peripatetic merchants pays for e privilege of plying his vocation is ut a drop in the ocean as compared ith the high rentals retail store men isburse. But the good resulting to a ommunity from any branch of industry within it is not measured by the um that satisfies the real estate owner or the use of structures employed in e operation of that industry. The lant auction room, the Greek, the lant peddler, as well as the retail ower and plant store, are each filling heir own niche in the horticultural orld, and serving their own useful urpose; therefore each has a right to xist and to persist without molestaion or condemnation so long as the perations of each meet the requirenents demanded by morality and unicipal legislation.

* * *

I was sorry indeed to read of the vaning interest in the Chicago Florists' Club, and that there exist in that body what are characterized by one of your contemporaries as "factions." That word implies strife, something that never yet led to progress, and something that should never enter into associations such as florists' clubs are—bodies banded together for social and mutual improvement ends. Better no club at all than discord and antagonism among the membership. Why does not the Chicago Club emulate the New York one, for instance, and inaugurate a $5.00 a ticket outing, as a stimulant o harmony. They, too, might be able o defray the cost (or a large part of it) of the affair by importuning the Barkises in the trade for advertisements in a program of the "sports." This seems to be a latter-day "easy method" of getting up funds for free entertainment, so far as clubs are concerned, and is being worked nowadays, without compunction, for all there is in it. At least, so it appears from solicitations of one kind or another made to

JOB.

WHAT OUR ADVERTISERS SAY

Under this heading The Florists' Exchange will publish every week voluntary statements, each limited to fifty words, from its advertisers, calling attention to the main items offered weekly in their advertisements. The object is to assist our patrons.

The largest as well as the smallest advertiser is entitled to contribute.

Communications of this character must reach us *not later* than Wednesday morning.

The experiment is tentative, and we shall be guided by developments regarding its continuance.

Prices are not to be quoted.

On no account will matter of this kind be written up in this office.

Each advertiser must assume responsibility for the statements he makes.

W. H. Salter, Rochester, N. Y. I am receiving some very gratifying testimonials regarding the goods I am offering. The quality seems to suit well.

C. H. Joosten, New York, calls attention to his offer of Japan fern balls, Japan bamboo cane stakes and Cycus revoluta stems, and to the well-known quality of Fostite to prevent and check mildew and black rot on plants and carnation rust. A timely application will save your crop. The supply of these goods is limited and early orders are advisable.

Job and the Mule Poem.

Editor Florists' Exchange:

Judging from Brother Rudd's comments in a contemporary upon the grandiloquent effusion of "Job," he evidently thinks he has struck "three of a kind." Allow me, Mr. Editor, to emerge from obscurity long enough to remark that at various times I have been likened to Brother Rudd, however hard such similitude may have been upon the gentleman in question; but this is the first time I have been so distinctly honored by Mr. Rudd himself. The verses alluded to, in many respects, so truthfully describe some of Brother Rudd's sterling qualifications that I have no objection to being considered in the same class. "Job" might make it a quartette by coming in as high tenor.

"The mule he likes to hear his voice,
And so does Job."

JOHN G. ESLER.

Job and Birnie's "Burns" Prize.

Editor Florists' Exchange:

I have to extend an apology to "Job" for being a little dilatory in setting myself right regarding that bowling prize, but I have been working twenty hours a day for the last month (could "Job" do that on a milk stimulant?) and have not had time to set his mind at rest; for, notwithstanding his assertion to the contrary, one can read between the lines that resentment runs rampant.

Now, my offer to the New York Florists' Club committee was worded in the following terms (I quote from memory): "I will donate a handsome copy of 'Burns' to the representative of the trade press making the highest score in five frames; and may the best man win." That was all. Is "Job" a representative of the trade press? Does that account for his evident chagrin? By exercising a little of "Job's" own and only attribute—patience—we may yet be able to put our thumb on the flea.

By the way, "Job" has struck a very interesting topic when he mentions the back numbers of the trade press. He seems, as I understand him, to coincide with those who run the trade press down, and with a slight vein of sarcasm quotes from a contemporary a grower's honest confession of having learned something from the press. Some years ago, a writer of hints, notes, reflections, inflictions, or something else, gave the formula for potting rooted cuttings as follows: "Take the pot in the left hand, put in a little soil, and then put the plant in the pot roots down." Now, a piece of valuable information like that might seem a little superfluous to-day, but at the time it was written we had an influx into the profession of "stickit ministers," shoemakers, carpenters, etc., to whom, no doubt, the hint was of value. No wonder their "advancement in horticulture" was rapid. They have left the old time grower far behind so far as printers' ink is concerned. Still, the grower to the manner born bobs up serenely when occasion requires.

"Job" will find a great many hints of as much value as the above by looking over the back numbers of the trade papers, but it may be that the writers of those back number screeds do not know so much to-day as they did then—at least, they do not know so many things that ain't so. JOHN BIRNIE.

The rage at present in London is the collecting of little plants, which are all to be obtained growing in the tiniest of fern pots, and arranged on shelves round a miniature greenhouse to be placed on the table. The Bond street florists cannot meet the demand.

BUSINESS DIFFICULTIES.

ATLANTA, GA.—John A. Lambert, the florist, has filed a petition asking that he be declared a bankrupt. In the petition he schedules his assets at $100, while his liabilities, he says, amount to $6,082.50. The petition was filed by S. D. Johnson as his attorney.

INDEX OF ADVERTISERS

Agnew P J 642
Allen J K 653
Amling E C 655
Ammann C 642
Andorra Nurseries .634
Anderson & Christensen 651
Aschmann G 642
Atlantic Coast Nurs 642
Austin H 634
Bader J 651
Baker W J 654
Bartram J H 643
Bassett & Washburn.643
Bayersdorfer H & Co 658
Beach Jas E 643
Beaulieu H 634
Beckert W C 632
Beetz G A 650
Berning H G 655
Berger H H & Co..633
Bernheimer E 654
Blaauw J & Co.....634
Black Chas 634
Blue Hill Nurs 634
Bobbink & Atkins..631
Bock W A 651
Bonnot Bros 653
Bornhoeft I H 651
Boston Letter Co....656
Bradshaw & Hartman 653
Brant & Noe 643
Brenneman J D 642
Brown Bros Co......634
Brown E C & Co. .656
Brown P 633
Burpee W A & Co..634
Byer Bros 638
Caldwell the Woodman 652
Cal Carn Co 633
Canadian Ads 649
Carmody J D 656
Chicago Carn Co....642
Chinnick W J......638
Clucas & Boddington 631-39
Coldwell Lawn Mower Co 658
Collins Thos 652
Conard & Jones Co 639
Connell B 639
Coolidge Bros 638
Cottage Gardens 638
Cowee A 633
Cowee W J 656
Cowen's N Sons....658
Crabb & Hunter....638
Craig R & Son.....651
Crooke J J Co.....652
Crowl Fern Co 652
Cunningham J H ...642
Cut Flower Ex ... 653
Davis A B & Sons 633
Deamud J B 655
Deming Co 656
De Witt P M 638
Dietsch A & Co....657
Dietrich C P & Bro.638
Diller Caskey & Co 658
Dillon J L .. 642-43
Dillon G'house Mfg.656
Dimmock A 651
Dorner F & Sons Co.638
Dreer Hy A . 633-56
Dumont & Co. . 654
Eichholz H .. . 638-50
Eisele C 658
Eisele J G 651
Eisele W G 634
Elizabeth Nurs Co..633
Elliott W & Sons 632
Elliott W H 631
Emmans Geo M. ..651
Endtz Van Nes & Co 634
Farquhar R & J Co 633
Felthousen J E 638
F & F Nurseries ...634
Foley J 656
Foley Mfg Co 657
Foster L H 651
Frith C A V. ... 632
Fry E R 643
Fuchs A 651
Garland G M 658
Ghormley W 653
Giblin & Co .... .656
Goodale B S 634
Good & Reese Co ...640
Gullett W H & Sons.652
Gunther W H.... .653
Guttman A J 653
Haerens Bros . .. .651
Hagenburger C . ..639
Hammond J A ... 653
Harris E 650
Hayden Joel G . ..632
Heacock Jos .... .651
Herr A M 642
Herr D K 642
Herrmann A 658
Herzog W S 642
Hews A H & Co....656
Hicks & Crawbuck..653
Hilfinger Bros . ..656
Hill E G & Co. ..655
Hillborn W T .. . 650
Hippard E 656
Hitchings & Co. ..658
Holton & Hunkel Co.655
Horan E C 653
Hor'l Advertiser ...656
Howe J H 652
Hughes G J 650
Hunt E H 655-56
Igoe Bros . . 658
Jackson & Perkins Co 633
Jacobs S & Sons 657
James R H . ..632
Jennings E B . ..633
Jessamine Gardens 634
Johnson & Stokes 633
Jones H T . 634
Joosten C H . .652
Kasting W F . .654
King Cons Co ... 658
Koster & Co . . 634
Kreshover L J . . 652
Krick W C . .656
Kroeschell Bros Co 656
Kuhl G A 643
Lager & Hurrell 650-51
Lakeview Rose Gardens . . 643
Landreth D & Sons 633
Lang J .... [illegible]
Langjahr A H . . 653
Lawritzen C 650
Leach J & W . .. 652
Limbach C [illegible]
Livingston Seed Co 652
Lockland Lum Co 657
Lord & Burnham Co 657
Lovett J T 634
Mader P . 650
Manhattan Sup Co 641
Mathews G P 638
Manger W & Sons..633
McCarthy N F & Co 654
McFadden E C . 652
McManus J . . .. [illegible]
Michell H F . . [illegible]
Moninger J C Co 658
Montgomery A P [illegible]
Moon S C . 634
Moon Wm H Co 634
Moore, Hentz & Nash 653
Muno J [illegible]
Myers & Samtman ..[illegible]
Nat Board Trade 632
National Plant Co 650
Neff L I . [illegible]
Nepp G F [illegible]
Newtonville Avenue G'houses 643
N Y Cut Flower Co 653
Niessen L 654
Ouwerkerk P 634
[illegible] C. 642
Pennock S S 651-54
[illegible] 653
[illegible] Market . 652
Pierce F O Co 658
[illegible] .642
Pierson F R Co .631
[illegible] 643
[illegible] Co . 658
[illegible] Nurseries [illegible]
Pittsburg Cut Flo Co 654
[illegible] Bros .. .633
Pollworth C C Co . 655
Queen City Mach Co 657
[illegible] 650
Rawson W W & Co.633
[illegible] Mrs S H. ..650
[illegible] J I 653
Reed & Keller . 632
Reid Ed ..654
Reinberg Peter .643
[illegible] S J ...643
Rider Ericsson Engine Co ...657
Riedel & Co .653
Robinson H M & Co 652
[illegible] J 650
[illegible] I 650
Rolker A & Sons 651
Roney Bros 642
[illegible] A & G .. 650
Rupp J F .633
Salter W H 643
Saltford Geo . 653
Sander & Son 651
Schmidt J C 634-50
Schmitz F W O 632
Schultheis A 651
Scott J ... 651
Shearer F & Son....634
Sheffield G'houses 633
Shepherd Mrs T B Co 633
Sheridan W F 653
Shurtleff J B . . .639
[illegible]
[illegible] E S Jr [illegible]
Smith C [illegible]
Smith N & Son [illegible]
Smith W & T Co.. [illegible]
Soltau C [illegible]
Springfield Fl [illegible] Co 642
[illegible] H [illegible]
Stern J 642
[illegible]
Steinhoff H C .. [illegible]
Stoothoff H A Co 640
Storrs & Harrison Co 638
Stumpp & Walter Co 632-58
Sutherland G A [illegible]
Swayne W [illegible]
Syracuse Pottery Co [illegible]
Taylor E J 642
Thompson J D 638
[illegible] J M & Co [illegible]
[illegible] W & T Co [illegible]
[illegible] J 650
Traendly & Schenck [illegible]
[illegible] Griffen & Co 657
Vaughan's Sd Store 632-33-[illegible]
Vesey W J & M S 650
Vick's Jas Sons [illegible]
Vincent R Jr & Son [illegible]
[illegible] S & Co [illegible]
[illegible] H & S [illegible]
[illegible] Bros 640
[illegible] & Don . [illegible]
[illegible] Bros [illegible]
[illegible] H [illegible]
Whilldin Pottery Co [illegible]
Wieland W [illegible]
Winter Bros [illegible]
Winterich C . 642
Winterson The E F Co [illegible]
Wood Bros . . [illegible]
Young J . [illegible]
Young & Nugent . [illegible]
Zimmer Chas . 642

INDEX OF ADVERTISEMENTS

PLANTS SEEDS.
BULBS FLOWERS.

Abutilon . 638-51-58
Acalypha 638
Achillea 634
Achyranthes . .638-39-42
Ageratum ... 638-39-42-50-58
Alpine Plants 634
Alternanthera 639-42-50
Alyssum ... 642-50
Ampelopsis 631-34
Anthemis . . . 639
Anthericum .. 651-58
Aquatic Plants . ..633
Araucaria 631-39-51
Asparagus 633-39-42-50-51
Asters 633-38-50
Azaleas 634-42-51
Bedding Plants . 650-51
Begonias . 638-42-50-51
Berberis 634-52
Bougainvillea 651
Bouvardia 658
Box . . . 631-34-50
Bulbs (not named) 632-33-55
Caladium . 638-39-42-50
Calceolaria 633
Calendula 642
Callas . . .633
Cannas 633-38-39-42-50-51-52-58
Carnations 638-51
Centaurea 638-42-50
Chrysanthemums 638
Cherry .. 638
Cinerarias .. 633
Cinnamon Vines 638
Clematis 634-42-58
Cobea 638-42-58
Coleus 638-39-42-50-51-52
Conifers 634
Coreopsis 634
Cosmos 650
Crotons . 638-51
Cuphea . ..639
Cut Flowers 652-53-54-55
Cycas . 632-33-34-52
Cyclamen . 642-50
Cyperus . .. 642
Daffodils . .633
Dahlias . ..631-33-38
Daisies [illegible]-42-50
Decorative Plants . 651
Delphinium 634
Deutzia . .634
[illegible] . 634
[illegible] 638-39-42-50-51-58
Echeveria . . 658
Evergreens 631
Fern Balls 631-32-33-52
Ferns 631-42-50-51-52
Feverfew 639
Ficus 631-51
Fuchsias 638-39-42-50
[illegible] 631
[illegible] 634
[illegible] 631
[illegible] 639
[illegible] 633-38-39-42-50-51
[illegible] .633-51
[illegible] 634-50
[illegible] 638-39-42
[illegible] 634
[illegible] Plants 634
[illegible] 638
[illegible] 642
[illegible] 634-39-42-58
[illegible] 642
[illegible] 638-39-42
[illegible] 634
[illegible] 631-38-39-42-51-58
[illegible] 638-58
[illegible] .. 638
[illegible] 634
[illegible] .631-32-33-34
Lobelia 642-50-51-58
Lychnis . . 634
Mignonette . 632
Narcissus . .. 633
[illegible] 638
Nursery Stock . . 634
Orchids 650-51
Palms 631-32-33-38-50-51
Pansy 633-42-50-51
Pardanthus . 634
Pelargoniums . 639
Peonies 634
Periwinkle . 642-58
Petunia 639-42-50
Phlox 642
Plumbago . . 638
Primula 632-33-42
Privet .. 634
Rhododendron 634-51
Roses 631-34-38-39-42-43-50-51
Rudbeckia 634
Salvia ... 638-39-42-50
Santolina 634
Sanchezia 638
Sedum 638-50
Seeds (not named) [illegible]
Shrubs 634
Small Fruits .634
Smilax . 633-42-52
Spiraea . . 634
Stevia . 638
Strobilanthes 638
Swainsona . . . 638
Thunbergia .. 642
Torenia . 642
Tradescantia 642
Trees [illegible]
Tropaeolum .. 658
Tuberoses 631-33
Vegetables 633-34
Verbena . 638-42
Vincas 639-42-50-51
Vines 638-54
Violets 638-39-42-50-58
Wistaria 634
Yucca 634-38

MISCELLANEOUS.

Auctioneers 654
Baskets 631-32
Boilers . 656-57-58
Books ... 650
[illegible] .. 652
Cut Flower Boxes 652
[illegible] 652
[illegible] 652-54-55-58
Florists' Letters 654-56
[illegible] 658
Florists' Supplies [illegible]-52-54-55-58
Flower Pots, etc 654-56
Galax 652
Glass 656-57-58
Glazing Points 656
Greenhouse Bldg 656-57-58
Gutters 656-57-58
Insecticides 649-56
Lawn Mowers 658
Lumber 656-57-58
[illegible] 658
Mushroom Spawn [illegible]
[illegible] 656
[illegible] Supplies [illegible]
Printing 652
Pumps 657
[illegible] 656
[illegible] Work 632
[illegible] . 656-57
[illegible] [illegible]
[illegible] & Supports 638-52
[illegible] 652
[illegible] [illegible]
[illegible] 656-57
[illegible] 634
[illegible] .652

CARNATIONS

Memorial Day.

Just as Thanksgiving Day marks the increase in prices of carnation flowers, this holiday marks the decline, and there now remains but one thing to do with the houses, and that is to get all you can from them, and to get this with as little expenditure of labor as possible. A heavy cutting at Memorial Day is always dependent on the past treatment; and when propagation has been heavy in the Winter months, there will be a noticeable difference in the cut. Good stock is an essential, however, and the cut now is not worthy of serious consideration at propagating time. With plants in good shape in the Fall, work for a crop at Christmas, and as a rule, the yearly result will be satisfactory. To be sure, carnations sell well at Memorial Day, but to get flowers in Midwinter is the problem, and if this is done the Spring blooms will take care of themselves.

The finest white carnation we have ever grown is Queen Louise. It has proved itself a wonder throughout the year, and has shown remarkable keeping qualities during the warm weather. Morning Glory has been sleepy, and is distinctively a Fall and Winter carnation. I have mentioned before the tendency of the yellow varieties to improve, and this is still noticeable. Cressbrook and Mrs. E. A. Nelson have shown weakness, and taking them as a whole, they have been unsatisfactory throughout the year, as we have grown them.

Some time ago I mentioned a seedling carnation of Rhode Island breeding, called Wild Rose. Here again, we see a variety which stands the warm weather, and as a keeper it has proven itself without a superior. By summing up the varieties in this manner, we can form plans for benching, and those which do not stand the warm weather can be placed together and can be discarded early, if some must go to make room for Spring stock. I do not condemn a variety because it is weak in this respect, for the reason that it may pay for its space during the Fall and Winter; but if some must be discarded, these should go first. To judge a variety correctly, it should be watched not only early in the Fall and in Midwinter, but at Memorial Day, and advantage should be taken of its strong points and its weaknesses should be guarded against by judicious planting.

New Introductions.

A few weeks ago I received a few plants of Messrs. Baur & Smith's new carnation, Indianapolis, with a request to give them a thorough trial. This gives the introducer a chance to test his variety in New England, and gives us an opportunity to become acquainted with this much-talked-of acquisition, for which we are grateful. The custom of trying new varieties in different sections of the country before disseminating them is certainly a good one, and it is worthy of a wider practice. Should it be carried out by more introducers I firmly believe there would be fewer poor varieties on the market, for a carnation which will not do well in different sections of the country is weak somewhere. Soils, of course, vary, but let the introducer recommend a certain kind of soil and try his variety under different conditions before asking the growers in the different sections to buy.

Soil for Carnations.

Opinions differ on this question, and there is no reason known to me why they should not. Maine is not like California, and Connecticut differs from Illinois; and we see good carnations grown everywhere. What, then, is the requisite for a good carnation soil? I have seen them well done in almost pure clay, and have seen equally as good carnations obtained in a sandy loam. Taking all things into consideration, I prefer a medium heavy loam, with some vegetable fiber in it, and with manure enough to make it sufficiently rich to support the plant until feeding on the benches is commenced. The practice of plowing a certain area of sod land after putting on a coating of manure, and using this, is no doubt a cheap method of preparing soil, but I have had very little experience with this method. Some three years ago we laid up a compost of sod and only a small quantity of manure, the sod coming from a piece of very light upland. We also lay up annually a compost of heavy soil, composed of sod from an old pasture, with considerable clay in it, and cow manure, using these in the proportion of seven parts of soil to five parts of manure. This is our rose soil; and for carnations we use this and the light compost in about equal parts after they are thoroughly mixed and pulverized; and on planting we add a small proportion of sand to this mixture. The result is a medium heavy soil, and yet one which contains sufficient vegetable fiber; the sand has the tendency to make it friable and easy to work. I do not believe that it is necessary to have a heavy soil, but if the soil will hold moisture without becoming waterlogged and therefore sour, much less care and attention to watering will be necessary.

FIELD OF TRUE LILIUM HARRISII IN BERMUDA.
[Courtesy of H. C. Steinhoff, New Jersey.]

With horse manure we have had a great deal of experience, and are now fully convinced that, at least for rose growing, it is decidedly inferior to cow manure. We have found, also, that with carnations we have better results where no horse manure is used. I know that the horse manure is cheaper, and that many employ it, but for carnation culture I should not hesitate to recommend the use of cow manure in preference, as I believe it will give a great deal more satisfaction to the grower.

The practice of green manuring is becoming more and more popular, and the farmer can here teach the florist some very important lessons. Take, for example, a certain tract of land which will ultimately be used for soil, and anything which will add to the fertility of this piece of land will in the end become of benefit to the plants for which the soil is used. "By green manures is meant any crop that is grown primarily for the purpose of improving the soil, and not for the harvested crop." I take the liberty of quoting from Voorhees, who is an authority on this subjest: "It is essential that the soil contain mineral elements, phosphoric acid, potash, and lime, but a crop of a nitrogen-gathering plant will add to land enough nitrogen to support several crops of wheat. By plowing under a crop of a leguminous plant, such as red clover, cow peas, or soja beans, vegetable fiber is also added to the soil which is of value, especially if the land has been cultivated for some years, and therefore deficient in this. For field culture this is especially valuable, and if green manuring were better understood it would be more widely practiced. The presence of nitrifying bacteria in the soil is essential, but they are usually present in fields which have been under cultivation, and the presence of these bacteria can be recognized by the nodules which are formed on the roots of these leguminous plants. Keeping these points in mind, the securing of suitable soil is comparatively easy."

W. R. PIERSON.

Carnations Planted in 1903.

The subjoined information arrived at this office too late to be included in the tables appearing on pages 622 and 623 of issue of May 30:

E. J. TAYLOR, Southport, Conn., has planted in white: Queen Louise, 5,000; Flora Hill, 3,000; May Naylor, 1,000. In light pink: Daybreak, 4,000; Maud Dean, 4,000; Genevieve Lord, 20,000. Dark pink: William Scott, 15,000; Mrs. Frances Joost, 15,000; Mrs. T. W. Lawson, 500; Cressbrook, 1,000. In red: G. H. Crane, 2,000. Crimson: General Gomez, 2,000; General Maceo, 5,000; Governor Roosevelt, 4,000. Yellow variegated: Eldorado, 5,000; Golden Beauty, 500. White variegated: Mrs. G. M. Bradt, 5,000; Prosperity, 5,000.

Mr. Taylor commenced planting May 5, but had to suspend operations owing to the dry weather.

Richard Witterstætter, Sedamsville O., has planted in white 5,000 Albatross in dark pink, 1,000 Mrs. Lawson, 2,00 Enquirer; red, 1,500 Estelle, 500 Adonis 4,000 of a seedling; crimson, 1,000 Crimson Estelle (seedling); also 5,000 vari ous seedlings.

BRIEFS FOR BUSY FLORISTS.

HYDRANGEAS.—If these plants ar not intended for early forcing nex year, they may just as well be plante outdoors. Give them a good ric growing soil and lift them earl enough in the Fall to avoid freezing If, however, it is desired to force th hydrangeas early next Winter, it wi be better to keep the plants in pot right through the Summer, shiftin them into large sizes whenever necessary.

BOUVARDIA.—This plant is no grown nearly so much as formerly, ye a bench of it flowering in the Winte time is always a source of profit. Th young stock should be planted out doors to get strong plants for Winte blooming, and in order to have the stocky by lifting time they should b pinched back several times during th growing season. Early in Septembe is about the best time to lift them fro the ground and transplant in th greenhouse, and if ordinary care is ex ercised and the glass overhead shade for a few days, the plants will not su fer from the operation of transplan ing.

GENISTAS and ACACIAS.—Th larger plants of these may just as we be put outdoors at this time. Choo a location where the plants will l sheltered from heavy winds, as if the are at all top-heavy they would easi get blown over and damaged. Cu them well back, but not into the o wood, excepting where it is necessa to preserve the symmetry of th plants. Try to have them even an well-balanced in shape when in flow by cutting them back now. If it not desirable to put them in larg pots, take out as much of the top so as can be done without injury to th roots, and fill in with a rich compo Half and half loam and well-rott manure is the best mixture. Ke them plentifully supplied with wat at all times, and, aside from cutti back an occasional strong growth, th will need no other care until they a housed in the Fall.

FICUS ELASTICA.—When th young plants are well rooted in 3-in pots, instead of putting them in larger sizes, prepare a place in th garden and plant them out for th Summer. Place them two feet apa and three feet between the rows, dri ing stakes at the corners of the b and spreading any kind of thin clo over the plants to keep them shade In a week or ten days' time, commen to remove the shade gradually, takin it off about an hour earlier each da This will inure the foliage to the fu force of the sun and eventually th covering can be taken off altogethe Frequent watering will be necessa all Summer, should the season prove all dry, and each plant should be ti to a stout stick to prevent the win blowing it about and loosening th roots. By the latter part of Augu it will be found that the plants hav made a far superior growth to wha could have resulted in the greenhous and their care was light compare with indoor culture. They must b lifted and potted, however, before th nights become cool, and, when this done, care must be taken to get th roots working in the pots as quick as possible. To this end a space in th greenhouse, either on the bench or o the floor, should be set aside and fille in with stable litter such as would b suitable for a hotbed. Into this mate rial the newly potted rubbers shou be planted and the bottom heat th supplied will keep the roots movin without a check, and not a leaf wi be lost. In about ten days they ca be taken from the hotbed and place on the benches, when they will b found to have made as large spec mens as would have been obtained b about two years of ordinary pot cul ure.

Chrysanthemum Society of America

PRELIMINARY PRIZE LIST FOR ANNUAL EXHIBITION IN NEW YORK, NOVEMBER 10, 1903.

Editor Florists' Exchange:

Subjoined is a copy of the premium list for the exhibition of the Chrysanthemum Society of America to be held in Herald Square Auditorium, New York City, November 10 next. Notice particularly the fine list of special prizes. FRED. H. LEMON.

Cut Flowers—Chrysanthemums.

Class.		—Premiums— 1st.	2d.
1.	50 blooms, one variety..	$30.00	$20.00
2.	50 blms. not less than 3, nor more than 5 vars.	30.00	20.00
3.	Collection of 30 vars., 1 blm. of each, stems not to be less than 10, not more than 15 ins.	20.00	12.00
4.	25 blms. any yellow var.	15.00	10.00
5.	25 blms. any white var.	15.00	10.00
6.	25 blms. any pink var..	15.00	10.00
7.	25 blms. any oth. col..	15.00	10.00
8.	25 blms. any var., a novelty of 1903......	15.00	10.00

(The foregoing classes, 1 to 8 inclusive, open to commercial growers only.)

Class.		1st.	2d.
9.	10 blms. any white var.	8.00	4.00
10.	10 blms. any pink var..	8.00	4.00
11.	10 blms. any yellow var.	8.00	4.00
12.	10 blms. any crimson var.	8.00	4.00
13.	10 blms. any bronze var.	8.00	4.00
14.	10 blms. in var., artificial supports allowed	8.00	4.00
15.	6 blms. any white var..	4.00	2.00
16.	6 blms. any pink var...	4.00	2.00
17.	6 blms. any yellow var.	4.00	2.00
18.	6 blms. any crimson var.	4.00	2.00
19.	6 blms. any bronze var.	4.00	2.00
20.	6 blms. Col. D. Appleton	4.00	2.00
21.	6 blms. Golden Wedding	4.00	2.00
22.	6 blms Timothy Eaton..	4.00	2.00
23.	6 blms. Yellow Timothy Eaton	4.00	2.00
24.	6 blms. Mme. Carnot, artificial supports allowed	4.00	2.00
25.	6 blms. Yellow Mme. Carnot, artificial supports allowed........	4.00	2.00

(Classes 15 to 25, inclusive, open to private gardeners only.)

Class.		1st.	2d.
26.	18 blms. in 6 vars., 3 flowers of each, new vars. of 1903.........	12.00	8.00
27.	12 blms. in 4 vars., 3 flowers of each, new vars. of 1903.........	8.00	5.00
28.	6 blms. in 3 vars., 2 flowers of each, new vars. of 1903.........	5.00	3.00

(Exhibitors can compete in one class only of classes 26, 27, 28.)

Class.		1st.	2d.
29.	36 blms. in 6 vars., 6 flowers each.........	25.00	15.00
30.	18 blms. in 6 vars., 3 flowers each.........	12.00	8.00
31.	18 blms. in 3 vars., 6 flowers each.........	12.00	8.00
32.	5 blms. of any var. in commerce	6.00	
33.	6 blms. of any white var., certificated by the C. S. A. in 1902..	4.00	2.00
34.	6 blms. of any yellow var., certificated by the C. S. A. in 1902..	4.00	2.00
35.	6 blms. of any pink var., certificated by the C. S. A. in 1902..	4.00	2.00
36.	6 blms. any other color, certificated by the C. S. A. in 1902.........	4.00	2.00

The following kinds are eligible in classes 33 to 36, inclusive:

Algoma,
Amorita,
Columbia,
Convention Hall,
Globosa Alba,
H. W. Buckbee,
Henry Sinclair,
Minnie Bailey,
Mlle. Marie Liger,
Mrs. Harry V. Casey,
Mrs. J. J. Mitchell,
Miss Stella T. Elkins,
R. E. Richardson,
Sephia Uwanta,
Yellow Eaton.

New Varieties.

SEEDLINGS, SPORTS AND UNDISTRIBUTED IMPORTATIONS.

Class.		Premium
37.	6 blms. any white var.........	$5.00
38.	6 blms. any yellow var........	5.00
39.	6 blms. any pink var..........	5.00
40.	6 blms. any other color........	5.00

Entries in classes 36 to 39 inclusive are also eligible to compete for the C. S. A. certificate on compliance with the rules governing the award of certificates.

Class.		1st.	2d.
41.	Collection of Pompon vars.	15.00	10.00
42.	Vase of Anemone flowered vars.............	10.00	5.00
43.	Vase of hairy and plume vars.	10.00	5.00
44.	Vase of single vars.....	10.00	5.00

Classes 26 to 44, inclusive, to all chrysanthemum growers.

Plants.

(Open to all.)

Class.		1st.	2d.
45.	3 specimen bush plants, distinct vars........	40.00	20.00
46.	3 specimen standard plants, distinct vars., not less than 24 ins. of stem	40.00	20.00
47.	1 specimen bush plant, white	15.00	10.00
48.	1 specimen bush plant, pink	15.00	10.00
49.	1 specimen bush plant, yellow	15.00	10.00
50.	1 specimen bush plant, any other color......	15.00	10.00
51.	1 specimen standard plant, white, not less than 24 inch stem...	15.00	10.00
52.	1 specimen standard plant, pink, not less than 24 inch stem...	15.00	10.00
53.	1 specimen standard plant, yellow, not less than 24 inch stems...	15.00	10.00
54.	25 plants in var., grown to single stem and in pot to exceed 6 ins...	15.00	10.00
55.	12 plants in var., grown to single stem and in pots not to exceed 6 ins.	10.00	5.00
56.	6 plants of 1 var., grown to single stem, and in pots not to exceed 6 ins.	5.00	3.00

Special Prizes.

CHRYSANTHEMUM SOCIETY OF AMERICA PRIZE.

10 blooms of any one variety, C. S. A. Cup.

MASSACHUSETTS HORTICULTURAL SOCIETY'S PRIZES.

25 blooms of 25 varieties (open to members of Mass. Hort. Society only), $25.00, $15.00.

12 blooms of 12 varieties (open to members of Mass. Hort. Society only), $15.00, $10.00.

For the best vase of 25 blooms of any one variety, to be judged for all-round excellence of culture, in preference to any particular color, or popularity of any one variety (open to all), $25.00.

NEW YORK FLORISTS' CLUB PRIZES.

25 blooms in 5 varieties, 5 blooms of each, on stems not less than 24 inches long (open to members of that club only), $25.00, $15.00, $10.00.

TARRYTOWN HORTICULTURAL SOCIETY'S PRIZES.

(Open to members of that Society only.)

	1st.	2d.
25 blms. of 25 distinct vars..	$15.00	$10.00
12 blms. of 12 distinct vars..	10.00	5.00

Stems to be of uniform height of 15 inches. Competitors not allowed to compete in both classes.

MORRIS COUNTY GARDENERS AND FLORISTS' SOCIETY PRIZES.

(Open to members of that Society only.)

	1st.	2d.
25 blms. of 25 distinct vars..	$15.00	$10.00
12 blms. of 12 distinct vars..	10.00	5.00

Conditions for competition, same as for Tarrytown prizes.

MONMOUTH COUNTY HORTICULTURAL SOCIETY'S PRIZES.

(Open to members of that Society only.)

	1st.	2d.
25 blms. of 25 distinct vars..	$25.00	$10.00
12 blms. of 12 distinct vars..	10.00	5.00

Conditions for competition, same as for Tarrytown prizes.

TUXEDO HORTICULTURAL SOCIETY'S PRIZE.

(Open to members of that Society only.) 12 blooms of 12 distinct varieties, stems not less than 20 inches, no supports, $15.00, $10.00.

F. R. PIERSON, TARRYTOWN, N. Y., PRIZES.

For the best 25 blooms in 25 varieties shown in competition for the prizes offered by the various local Horticultural Societies, Silver Cup, value $50.00.

For the best 12 blooms in 12 varieties shown under the same conditions, Silver Cup, value $25.00.

E. G. HILL CO., RICHMOND, IND., PRIZES.

For the best 10 blooms of any seedling not in commerce, or foreign variety not disseminated in the United States prior to January 1, 1903 (open to all), $15.00, $10.00.

NATHAN SMITH & SON, ADRIAN, MICH., PRIZES.

For the best 10 blooms of any American seedling not yet disseminated (open to all), $15.00, $10.00.

JOHN N. MAY, SUMMIT, N. J., PRIZES.

For best 12 blooms in 12 varieties with 2-foot stems, artificial supports permitted where necessary, no restriction as to new or old varieties, $12.00, $8.00, $5.00.

PLATYCODON GRANDIFLORUM.

Grower, C. Craig, Montreal.

(See page 540, May 9 issue.)

English Horticultural Notes.

ROSES.—A new climbing tea rose was shown for the first time in London recently. The variety grows 6 feet to 7 feet tall, in true Crimson Rambler type, bearing pendent loose clusters of blooms of a soft rose-pink color, like those of Rosa indica, the common China rose. Those of Tea Rambler (for this is its name) are large and flattish. An award of merit was given to the introducers—Paul & Son, of Cheshunt, Herts. The dwarf form of Crimson Rambler noted by me on page 488 of the Florists' Exchange, which is named Madame Levavasseur, is being well spoken of generally on our side.

HARD-WOODED PLANTS.—I have nothing new to notice here, but would name a few favorites among a section of our English gardeners. As natives of warm, dry countries, the plants I notify should flourish well in the Middle and Southern States and may enjoy the Summer climate of New York, Connecticut, Pennsylvania, and Massachusetts. Tons of Erica Cavendishi, E. hyemalis, E. perspicua and its varieties, and E. gracilis, are grown in certain London and south of England market gardens for the plant trade in the larger cities. Another beautiful but less grown member is Erica propendens, a perfect gem when at its best. There are also Genetyllis fuchsioides, with crimson flowers; Leschenaultia biloba major, bright rich blue; Aphelexis humilis, Boronia heterophylla, and others, less useful decorative subjects. All of these are in the first rank of floral decorative quality. The tubular, elongated flowers of Erica perspicua (pink in color) were used as an edging rim for a lady's floral hat—a hat made of natural flowers—in a leading West End London shop recently. The hat was furnished with large pink roses above, and had Asparagus plumosus close laid in to the under side of the rim, a pink veil hanging down behind. Being tastefully and artfully finished off, the hat was the cynosure of an admiring crowd

ZONAL PELARGONIUMS.—These, commonly called geraniums, are specialized by Messrs. Cannell, of Swanley, and H. B. May, of Upper Edmonton. In the latter's group at a recent exhibition he staged the variety Lady Ilchester. The trusses are 4½ inches across, the individual flowers large and semi-double, and of a warm rose-pink, rather lighter than the color of Mrs Lawson carnation. It is an excellent grower. California is probably the best market variety he has. It is of an intense golden scarlet color, very brilliant, stands rain well when subjected to it, is semi-double, very free-flowering, robust and stout. Lastly, I may include Princess Charles of Denmark (King of Denmark type), a bright rich pink, with a white center.

CALLA, THE GODFREY.—English growers have not so far become generally acquainted with this very meritorious variety, and the same may possibly apply to Americans. It is distinctly dwarfer, more compact in growth, freer flowering, and has blooms of a purer whiteness than the common arum lily. It is intermediate between Calla Little Gem and Calla (or Richardia) æthiopica. Messrs. Clibran & Son, of Altrincham, have a nice stock of it.

A NEW STOCK.—One of the finest of our novelties staged in the R. H. S. exhibition hall on May 19 was Messrs. Bull & Son's (Chelsea) annual, double-flowering snow-white stock. It may sound strange to the mind of the florist to hear that the flowering stems are a yard long, and that the rosette crimpled white flowers are set apart on stalks of their own thinly on the spike, but no description can portray the beauty of this fine variety. I was assured that 70 per cent. of the seedlings come true doubles. For decorative uses it will be very valuable.

J. HARRISON DICK.

Raising Nephrolepis from Spores.

In answer to the query as to success in raising Nephrolepis exaltata from spores, I will say that, given the right conditions, it is quite easily raised. One must bear in mind that the species is arboreal, growing in moss, on trees and limbs. In the orchid houses of Mr. Oakes Ames, at North Easton, Mass., the plants are set in osmunda fiber, mixed with sphagnum moss. Spores from the adjoining fern-house alight on this and readily germinate. One of the predominant species is nephrolepis, which is quite a weed. Sporelings of this species can always be separated from plants raised from runners because the pinnæ are crisped and the margin bristly with the excurrent nerves. These characters disappear on maturity.—A. A. Eaton, Ames Botanical Laboratory, North Easton, Mass., in Fern Bulletin.

BELLEFONTAINE.—Our Decoration Day trade broke all previous records. Dark, cold, disagreeable, nasty weather prevailed, but we turned out the stock and are well pleased with the trade. POOLE & PURLLANT.

Wrought Iron Pipe

Read before the Florists' Club of Philadelphia by Walter H. Whetstone, of J. Whetstone & Co., June 2, 1903.

I am here to tell you what I know regarding the manufacture of wrought-iron pipe, and to answer those questions upon points that I do not touch.

The subject of pipe is a very exhaustive one, and I doubt whether I can cover the subject except in a very superficial manner, owing to the fact that the time is limited. Without referring to the good pipe of twenty-five years ago, I will, in brief, sketch out the process of manufacture of the two kinds of pipe made to-day, namely, iron and steel, and will attempt to show you that one is superior to the other, in other words, that iron is preferable to steel in the majority of its uses.

Considering the primordial cause of the pipe, we will take the ore which is principally Lake Superior ore, or Cuban ore, both of which are high-grade materials. This is put into a furnace and melted and poured into pigs, and called pig iron. These pigs are then put into a puddling furnace, which is a small pan-shaped affair, over which heat is played, and puddled entirely by hand into what we term "muck bar." The reason for puddling the pig iron is to rid it of its hardness by extracting the carbon from the iron and is performed by hand labor, simply stirring with a long poker the molten metal so that the oxygen of the air comes in contract with every particle of the boiling mass and extracts the carbon, forming a carbon dioxide.

When this is done, there is produced a more ductile substance called "wrought iron." It is a rough-looking material, yet is very much refined and is produced in slabs about 6 inches wide by ¾ inch thick, but varying in length. These slabs are piled one on top of the other and fastened together with a wire, and these are called billets; then they are put into the furnace again to be heated, preparatory to putting them through the sheet rolls. When they are heated to the proper welding point, they are put through rolls and made into sheets, and these sheets rolled to the exact width and thickness to correspond to the different sizes of pipe that the sheet is to be used in making.

Right here comes up a point as to distinguishing iron pipe from steel. It has been claimed by some that when pipe contains a blister, or seems to be made of successive rolls of iron, the pipe, because it is bad, is necessarily steel. The matter of pipe peeling off in layers is a conclusive test that the same is wrought iron, but the cause of it would be, that there has gotten between two successive layers some air which has not permitted the iron to weld at this point. From this point on iron and steel pipe go through the same stages before the finished product is produced, so we will consider now the manufacture of steel pipe up to this point.

By the Bessemer process, the pig, together with any steel scrap that the manufacturer may have, irregardless of its quality, is put into the Bessemer furnace and reduced to a molten mass. In the bottom of this furnace there are a number of small holes through which a blast of air is introduced for the purpose of ridding the entire mass of its carbonaceous properties. If the blast of air performed its function as well as the puddler we would have no cause for complaint against steel pipe, but the difficulty is that the air cannot touch every particle of the molten mass. We, therefore, when this mass is run into ingots, as we term it, rather than "muck bar," find that the ingots contain too much carbon, and this ingot is really a low grade of steel, containing probably from 1 to 2 per cent. carbon. A high grade steel contains about 4 per cent. of carbon, and when the steel contains this amount of carbon it will not weld at any heat. You will therefore see that a perfect weld can be made with a substance containing no carbon, and that the degree of welding is dependent entirely upon the amount of carbon the iron contains, so that at [illegible] per cent. carbon we have a perfect weld, and that anywhere from this point to [illegible] per cent. carbon we have an indifferent weld. This is the fault found with most grades of steel pipe—not that it will refuse to stand the pressure exerted against it, but that so frequently the slightest work attempted upon the pipe opens it up in its seams. To finish with the manufacture of steel pipe, this ingot is heated again and put through the rolls and made into sheets the same as in wrought iron.

I might say here that the process of puddling by hand to make wrought iron has never been improved upon—that is, no mechanical means have yet been invented to do the work of stirring that hand labor is now employed in doing. A great many inventors have tried to solve this problem, and the latest report that we have on the solution is, that a man is constructing a plant now in Pottstown to experiment with mechanical puddling devices, ad we trust the he in a short time will have solved the problem, because iron pipe is not doomed to last in this market very much longer, as most buyers to-day are looking for a cheap article, and price rather than quality is the thing that counts with the buyer. Just the other day I had a talk with a large manufacturer of wrought-iron pipe, with whom I have very close connection, and he told me that if they had to sell iron pipe for the price that steel pipe is quoted to-day they would have to go out of business inside of six months. It seems very strange, at the same time, that there are not more people willing to pay for a superior article of this kind, inasmuch as the best wrought-iron pipe only costs 10 per cent. more than what is termed a good steel pipe.

It has been said that iron pipe to conform anywhere near to the price of steel pipe is diluted with scrap iron. I do not know how all manufacturers make iron pipe, but I do know from personal observation that there is a mill with whose material I am very closely identified that uses nothing but Cuban ore in the manufacture of their pipe. The only scrap used is wrought-iron scrap that they make themselves by cutting off the ragged edge of a piece of pipe preparatory to its going to the machine for threading, and this entire quantity of scrap amounts only to between 3 and 7 per cent. of their output.

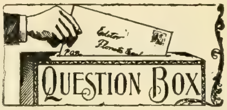
I have never had a close intimacy with a manufacturer of steel pipe, so do not claim that they either use scrap, but if they use a high-grade ore I would still contend, and rightfully so, that their finished product would not be as good as the iron product, on account of the amount of carbon it must contain.

The finishing process of iron and steel pipe is exactly the same. The skelp, or sheet, is piled into the furnace until it reaches a certain temperature, when it is drawn out and put through scarfing rolls. This is for the purpose of flattening the edges so that when they lap over in the rolls there will be more bearing surface for the lap weld. The scarfing rolls are nothing more than two concave solid wheels working in conjunction with each other, through which the sheet passes, and only having a bearing on the outer edges, flattening the same on one side. This furnace would be termed a welding furnace, and is used to manufacture pipe from 2 inches and larger. Smaller pipe than 2 inches is manufactured in the same way, but is put through what is termed a bell furnace; in other words, the pipe is drawn through a bell-shaped affair and the weld instead of being made by one side lapping over the other is made by contact of the two edges, termed belt weld. Here is where the steel manufacturers find their greatest difficulty, as it is difficult to get steel pipe to weld only by contact. Pipe after it leaves the scarfing rolls is again heated to a welding point and is then drawn through the rolls, between which is put and held in place a conical ball, over which the pipe passes, and the pressure exerted on the rolls presses the edges of the pipe together, forming a tight lap weld. This then is marketable pipe, except that it has rough edges in it, whieh have to be cut off and the length threaded, socketed, tested, marked and shipped.

This covers the manufacture of pipe as it is done to-day. And now to refer to its uses and the life of the two kinds. I can only say that those people who have had experience with both kinds of pipe both as regards the life of it and the ease in working it, prefer iron. Why is it that the manufacturers in nearly every case specify that the tubes in the boilers shall be charcoal iron, and not steel? It is for this reason: they know that while the steel tubes withstand the same pressure, yet for some reason that has not been discovered there is a chemical action takes place on the steel tubes that pits the tube full of pin holes, and this is done long before wrought-iron tubes are worn out.

It has often been proven that steel pipe only lasts three-quarters as long as iron pipe in oil-well works, but the reason that a great deal of steel pipe is used in oil fields is that so much of the oil field work is prospecting, and until a man strikes oil he is not willing to pipe the well with a material that will last longest.

I have attempted here to tell you something that you probably already know, and if there are any points that I have not covered, that I am informed upon, I will be glad to answer those questions put to me. My subject presupposes that I would touch upon the matter of air valves, but after giving the matter careful consideration I thought it advisable not to mix the two subjects, but would make a suggestion that if this talk has interested you at all and you feel that you would like to know my experience with air valves I would be glad to incorporate it in a separate paper.



Beetle for Name.

(116) I. M. B.—The beetle sent for identification is the grape flea-beetle—Haltica Chalybea. Spraying with Bordeaux mixture is recommended to destroy them on the vines.

Heating.

(120) I am about to build four greenhouses, each 100 feet long by 35 feet wide, all connecting with one boiler; shed the whole length of ends. I will use hot water for heating. The sides of houses are 6 feet, ridge 16 feet. Three houses are to be kept at a 55 and one at a 60-degree temperature with zero outside. I will use 2-inch pipe. What size pipe would be best to use from boiler to feed the 2-inch flows; also size to take return from 2-inch pipe return; and the best way to distribute the pipes, and how many for each house to maintain the above temperatures? The same boiler will be used to heat residence. Will it be all right to have the supply tank in the second story of dwelling, and where should the expansion tank of pipe be placed? I have seen them taken direct from main flow on boiler. Is this a good and practical way? There will be five 5-foot benches in each house.

C. B.

—In the rose house use 24 2-inch pipes, with one flow for two returns. For the carnation houses use 20 for the outside and 19 for the inside houses. These can be distributed on the walls and purlin posts, although if raised benches are used, a part of the returns can be underneath. A 50-horse-power boiler, or one that is rated for 9,000 to 10,000 square feet of radiation, should heat the dwelling and the greenhouses. The 2-inch flow pipes will be sufficient to feed the coils in each house used for carnations, but it will be better to use one size larger for the rose house. The expansion pipe can be connected either to the flow or the return pipes. The supply tank can be used as an expansion tank if desired. The tank should be fairly convenient to the piping, and slightly above its highest point.

L. R. TAFT.

Size of Tank.

(121) Our greenhouse is 16 feet wide, 126 feet long, 8½ feet to ridge. How large a tank is required (capacity in barrels) and at what elevation should tank be placed to water this house with one filling of tank?

AQUA.

—The question is a little vague, as it says nothing regarding the crop grown in the house, nor the kind of soil, and the style of benches that will be used. Under ordinary conditions a house such as is described will require from 10 to 12 barrels for a thorough watering. If the soil should happen to be very dry, and require a good soaking, nearly double the above quantity can often be used to advantage. If the bottom of the tank is elevated 10 or 12 feet, it will give a very satisfactory pressure for watering, although for syringing rather more than this will be desirable, even when the tank is full. Although the quantity of water named will answer for a single application, it would be unwise to erect a tank of the size. Nothing less than 50 barrels should be used, and 75-barrel capacity will be better, unless there is a large available water supply and a ready means of elevating the water.

L. R. TAFT.

Water Overflowing Tank.

(122) I would like to know why the water overflows my tank. I have a 3-inch pipe for flow overhead, which goes to a header and comes down on a slant with 2-inch pipe, and goes to header under bench on both sides, made of 2-inch pipe; four lines of 2-inch pipe on each side, and come out to boiler, with the 2-inch pipe. I have a 1-inch pipe that goes from the 2-inch return to a barrel which I have in place of a tank. The barrel is open at top, and the bottom of the barrel is a foot higher than the flow pipe. I heat by hot water. The only way I could make it work was to have the firebox smaller, and send the water out of the barrel. Do you think the boiler too large for the work?

G. S.

—Nothing is said regarding the relative amount of fire and radiating surfaces. When there is a small radiating surface and a relatively large fire surface, especially if the latter is so arranged as to expose a thin sheet of water for a relatively long time in contact with the fire, such a condition as is described is quite common. This is lessened by using larger pipes in the coil boiler, and at the same time reducing the length of the circuit that the water has to make in the boiler. It is also well to connect the highest part of the flow pipe with the expansion tank.

L. R. TAFT.

Alyssum for Winter Flowering

(123) What is the proper time to propagate sweet alyssum so as to plant it in the borders of the greenhouse for Winter blooming?

SOUTHERN FLORIST.

—Take the cuttings in the beginning of August and when rooted plant in the benches. If the benches are not ready at that time, grow the alyssum along in pots until such time as they are.

Chrysanthemums

(124) I am growing chrysanthemums in benches. I made my cuttings early and have them benched, but I think they are too large. Some of them are 15 inches tall. Would it be safe, or proper, to pinch them back; and would it make any difference with early kinds?

J. H. L.

—Pinching back the chrysanthemums at this time would not make much difference in their time of flowering, but it would induce more shoots, and consequently more flowers. If fine blooms are desired it will be best to let the plants go ahead without pinching. Fifteen inches high at this time is not a very tall height for the plants.

Detroit.

A Hail Storm.

A heavy hail storm struck Mt. Clemens, Mich., on the afternoon of May 27. The big plant of J. Breitmeyer's Sons was damaged to the extent of $1,000. Robert Klagge, near by, lost in proportion. Taylor and Carey seem to have escaped, as also did Gutchow's old place, now owned by A. L. Stevens. But the hardest hit was the retail establishment of Thos. Gordon in the city. He has a small range in connection with his store; not a whole pane of glass was left in it. No insurance.

DILGER.

OAKLAND. CAL.—The Alameda Horticultural Society was permanently organized at an enthusiastic meeting in Give's Hall May 22. A. D. Pryal was elected president, with an organization of sixty members.

Review of the Market

NEW YORK.—The June business in cut flowers has been very disappointing so far. Weddings and other social events that are continually occurring do not seem to bring much grist to the florists, and a genuine dull time is being experienced by both wholesale and retail dealers. Memorial Day trade was hardly equal to that of an ordinary Sunday in the wholesale quarters, and all the houses closed at noon on that day.

Supplies of all flowers are much in excess of the demand, excepting white sweet peas. These are scarce, and, of course, they are sought quite eagerly. It is feared that if we do not have some rain in the very near future, outdoor sweet peas will be an utter failure this season.

Peonies are coming in abundantly, but there is not the business doing to use them up fast enough; $3.00 per 100 is a common asking price for most of them, though a dozen or two of fine large white peonies do occasionaly sell at 5c. each. The rose supply does not abate any, and prices are discouraging to both dealer and grower. American Beauty are, if anything, more plentiful than for some weeks past, and the quoted prices are the exception and not the rule. The demand is so poor that the flowers accumulate from day to day and thereby diminish in value. Lily of the valley is almost a drug in the market and, although $3.00 per 100 is asked for some special grade stock, there are plenty of good grade flowers offered at $1.50 per 100, and do not sell readily at that.

There is not much choice between the fancy and the ordinary carnations just now; they all seem to be of one grade almost; and if one wants them in quantity he may take his pick at $1.00 per 100. Southern-grown gardenias are very much in evidence and sell slowly at 25c. a bunch. Gladiolus are more plentiful and the best of them are held at 75c. a dozen. Lilies are bringing from $2.00 to $4.00 per 100 only and move very slow. There is a limited supply of indoor grown centaureas and gaillardias, and stocks and antirrhinum are very plentiful, with little call for any of them. The prices on smilax, asparagus and adiantum remain practically the same as last quoted. There are some hopes that business will take a decided turn for the better before July comes; we hope so, at least.

PHILADELPHIA.—There has been a large amount of business done this week, and a greater demand for stock than is usual at this time of year. The chief call was for roses, sweet peas and lily of the valley, and on these three things growers had to make extra trips and commission men send for extra consignments to keep the stores going. But withal, there has been any quantity of stock to be had, and prices remained easy all week.

Carnations have been but little in demand as compared with other flowers. Nearly all of the wholesale houses have done a good shipping business, but orders ran for pink and white roses, lily of the valley and sweet peas, and but few carnations. Smilax has also been in strong demand, with but scant supply; small strings were readily sold at 15c.

Late Wednesday afternoon short stem American Beauty roses and white roses were getting scarce, with orders still coming in to the retail stores.

DAVID RUST.

BOSTON.—The Memorial Day trade this year was very heavy indeed. The market, though not so glutted with outside flowers, such as lilac, snowball, deutzia, etc., was well stocked to meet all demands, but at the close of business Saturday everything had been sold. The absence of much of the outdoor stock, usually so plentiful at this time, occasioned a very good market for flowers grown under glass, and as a result good prices were obtained.

In roses, the smaller grades were most in demand and made good prices. American Beauty, shorts, realized $4.00 to $6.00; seconds, $8.00 to $10.00, No. 1, $12.00 to $16.00, and extras, $20.00 to $25.00. For the smaller grades of Bride, Bridesmaid, Kaiserin Augusta Victoria, Souvenir du President Carnot, Liberty, Meteor, etc., $2.50 to $3.00 per 100 was realized, and nearly everything cleaned up. The better grades of the white and pink roses went to $10.00, with a few select Kaiserin at $12.00, while the red ones reached $8.00 for the best grades.

Carnations were very plentiful, and included an enormous supply of "salted" stock, which went hard. Good carnations made $2.50 to $3.00, with fancies at $4.00, except white, which were freely offered at $20.00 per 1000. Much of the inferior stock was sold at $1.50, or carried over.

Stocks were in enormous supply, but cleaned up very well at $2.00 to $4.00 per 100. Spiræa was very plentiful, too, but much of it was of inferior quality. The better stock made $2.50 per 100 and sold out clean. Candytuft and feverfew were not nearly so plentiful as usual and were in good demand.

Peonies were not abundant and sold readily at $4.00 to $8.00 per 100. Rhododendrons were at their best. Sweet peas were in good supply, and cleaned up very well at 50c. and 75c. per 100. Lily of the valley, from both frames and under glass, was very plentiful and good, selling fairly well at $1.50 to $3.00 per 100.

The business in greens, including hardy ferns, galax, laurel and wreaths, moss, etc., was enormous; and the supply dealers report a satisfactory trade in dried flowers and other supplies.

This week business has again fallen away, and prices are considerably lower and going down. Stock is not quite so plentiful, as many of the growers are so busy at home that they do not bother to come in with small lots, which fetch only small prices. With the exception of sweet peas everything is in sufficient supply to meet the light demand. Roses make $1.50 to $6.00 for Bride, Bridesmaid, Meteor, etc. Kaiserin go to $8.00 and American Beauty as high as $25.00. With the exception of Kaiserin, roses are pretty well played out.

Carnations average from $1.00 to $1.50 per 100, with fancies at $2.00 and $2.50. Sweet peas make 50c. to 75c. and clean up readily. Frame lily of the valley continues in good supply at $1.50 and $2.00.

F. J. N.

CHICAGO.—The market the past week has improved. Shipping trade was excellent the latter part of the week, and Memorial Day business up to the average of former years. Prices were much better than ever before realized at this time of the year, although roses of almost all grades were not up to the average in quality, especially the teas. Some extra Liberty were received, and sold well. The growers of this rose have found it a very profitable one for some time past. American Beauty was not up to the standard and much sorting had to be done in selecting the flowers suitable for the shipping trade. Prices on this rose were $2.50 to $3.00 per dozen for the best grades; others realized $4.00 per 100 to $2.00 per dozen. Bride and Bridesmaid are bringing from $5.00 to $6.00 for fancy stock; other grades, $1.50 to $4.00 per 100. Mme. Abel Chatenay, Sunrise and Liberty, of good quality, bring $6.00 to $20.00 per 100, the latter figure for extra fancy stock, with over three-foot stems and fine heads.

The supply of carnations is equal to the demand; prices are better than for the same period of last year. Some extra fine white and Mrs. Lawson sold as high as $4.00 per 100 the beginning of this week, but the bulk of the stock is disposed of at from $1.50 to $3.00 per 100 few sales going below that figure.

Sweet peas are increasing in quantity; the price is now from 50c. to $1.50 per 100. Callas and Harrisii lilies are seen in good shape, and sell well at from $8.00 to $15.00 per 100. Peonies are arriving from local growers, and the quality appears to be a great deal better than that of the flowers shipped from the South. Some extra fine pink and white sorts have sold at from 50c. to $1.00 per dozen. Fresh ferns are arriving from Michigan, selling readily at $3.00 per 1000. Asparagus brings from 35c. to 50c. per string; A. Sprengeri, from $2.00 to $5.00 per 100; smilax, $10.00 to $15.00 per 100.

R. J.

ST. LOUIS.—Decoration Day business in this city last Saturday was much better than the retailers expected. At the wholesale houses stock was very scarce; not nearly enough was in to fill orders which were placed with the wholesalers early in the week. Cheap outdoor flowers were in plenty, but these were mostly handled by the market gardeners, who claim they did a rushing business in that stock. Plants of all kinds also sold well.

The florists doing business near the large cemeteries also report a big trade in bouquets, design work, cut flowers and plants.

The prices on stock were advanced a little. This was also an unexpected turn of affairs for the retailer who has been used to buying at cheap figures for some time back. Choice roses were scarce at $6.00 and $8.00 per 100; a great deal of short open roses came in which were hardly salable for store trade. They brought $2.00 and $3.00 per 100. Some of the stock in roses is badly mildewed. American Beauty are getting smaller, and not nearly as many are coming in; the best of them are selling from $3.00 to $4.00 per dozen.

Carnations, which have been such a glut of late, shortened up in supply just at the time when they were badly needed. A great many of our shippers no doubt had use for the flowers for home trade. Carnations of all sorts are still in good color, but are becoming small. $2.00 to $2.50 was the price for the best. Others, hardly worth the price, brought $1.50 and $2.00. To-day (Monday) the supply is somewhat larger and values are again down to $1.00 and $2.00 for the best.

Sweet peas were in fine supply, but the demand for them was so great that none were left over. They brought 75c. for the best by the hundred, 50c. and 60c. in thousand lots. The lighter shades had the best call.

Cape jasmines are in big supply, and the street men are selling them at three for 5c.; 60c. per 100 was the best price at the commission houses last week.

Peonies were not over-plentiful, and are about over in this section. Fancy ferns are still very scarce with the wholesale men, but plenty of [illegible] now, selling at 1[illegible] and 15c. per [illegible].

ST. P.

PITTSBURG.—Trade conditions are fairly satisfactory. In the cut flower line the past week, funeral work created a good demand for stock; otherwise not much was doing. The month of June will likely be good for trade. Stock of all sorts is very abundant and prices low. Roses are sold at from 50c. per dozen up, and carnations at from [illegible] up, and by street vendors for less than that. Peonies brought good prices from 5c. to 6c. wholesale, and from $1.00 to $1.50 per dozen at retail.

Trade for Decoration Day was brisk, but there was plenty of stock, and prices were very reasonable.

The bedding plant trade, which is about over, was better this season than for some years back. Not many more plants were sold than usual, but the prices realized were better. Geraniums took the lead, selling at from $1.00 to about $2.00 per dozen at retail in 4-inch pots. Good plants went very readily at $2.00 per dozen, and better, if in bloom, single plants at 25c. Cannas were in good demand; many more of these were grown this year than last, and there are plenty to be had yet. Four-inch pot plants brought $1.00 per dozen. Caladiums fetched from $1.00 per dozen up. Salvias and blooming vincas were in good demand, and this stock is scarce. Moonvines still lead as climbing plants. Pilogyne also sells well, but cobæas have lost their hold on the people, and not many are grown. Coleus and alternanthera were not in great demand, but they generally sell well after June 1. Among the hardy stocks sold, roses, rhododendrons, azaleas, and a few others were most called for.

E. C. R.

INDIANAPOLIS, IND.—More than the usual quantity of flowers would have been sold Decoration Day had not a storm ruined the better part of Friday's business. Customers, as a rule, were more willing to pay for grave bouquets and flowers than in previous years. As it was, business was quite equal to that of last year. Stock of all kinds, good peonies excepted, was equal to the demand. The call for roses was heavier than expected Decoration Day. Bridesmaid and Bride were practically out of the market and quite a bit of complaint was heard from patrons accustomed to stock of Winter quality. The best Bridesmaid, Bride, Meteor, and Sunrise retailed at $1.50 to $2.00 per dozen. Liberty were scarce and few of them were used because of the high price asked, namely, $2.00 to $4.00 per dozen. American Beauty, as usual, moved slowly Decoration Day; $2.00 to $6.00 per dozen was the prevailing price for them.

Carnations are small and unsatisfactory; 60c. per dozen is the customary price, but 75c. to $1.00 is easily obtained when good stock is to be had. A large quantity of Harrisii lilies helped out wonderfully the making of bouquets on Friday; $3.00 per dozen retail, and $1.50, wholesale, was the prevailing price.

Customary Decoration Day flowers, such as Ten-weeks stock, candytuft, campanula, feverfew, syringa, and sweet alyssum, were disposed of in large quantities.

The commission houses are well stocked with Cape jessamines. Grocers who offer them at 20c. per dozen are the principal dealers.

Peonies were not as plentiful on the 30th as last year, but the call for them was not nearly as great, so they were not sorely missed. Those to be had were disposed of at $1.50, retail, and 75c. per dozen, wholesale. Spanish iris are about the only odd flowers on the market, and sell readily at 35c. per dozen.

I. B.

BUFFALO.—The importance of Decoration Day seems somewhat on the wane in this city. The craft in general seemed to expect modestly, so anticipations were usually realized, several dealers mentioning a trade increased over last year. Outdoor blooms, as regards quantity, were behind the average, so finer flowers went well, the supply being cleaned up by Saturday night. Stock is better in quality this week, improved apparently by the recent cooler weather. Some very good Kaiserin Augusta Victoria from new crops nicely fill a need. With bedding also taking active attention now, the plantsmen can boast about business.

VIDI.

OMAHA, NEB.—The three days previous to Decoration Day were record breakers in Omaha, created by school commencements and holiday orders. The principal colors sought were red and white. Decoration Day trade itself was a fizzle, because of rain.

It is feared the Spring planting will suffer considerably on account of the cold weather.

J. H. B.

ROCHESTER, N. Y.—Reports from the retail florists on the Memorial Day trade [illegible] very encouraging. Although the [illegible] period [illegible] very dry, considerable demand was noticed in the bedding stock [illegible]. But the general retail business [illegible] at a standstill owing to lack of rain, the plants being stunted and bloom [illegible]. This [illegible] affects the income of quite a few of our smaller growers who depend considerably for their income on planting hardy borders, etc. Shrubbery is moving slowly for the same reason.

Carnation field stock are in many cases still in flats in cold frames, one grower thinking seriously of potting all of his plants in pots suitable to plant and carry them so until Fall. Those plants which were set out early in drier land are showing the effects of strong winds and drouth, also from being cut by sand.

The Memorial Day parade here was about as usual, the fine day being responsible for a large turnout. The florist, of course, was very much in evidence on the flower wagons, but oh! said the sight. Who grew such plants? Where did they come from? Lying every which way in the traps, with blooms having broken necks, unmountable plants with about two top leaves, reminding one of a miniature cocoanut tree, leaves in all shades of yellow and the soil so hard and dry that the ball of earth could be used as a baseball. After all the pains the hard-working florist gives to each plant, striving in every way to get individual specimens, yet withal to be so roughly handled that when they reach their destination and perform their share toward humanity's cause, shall we say that the soldier's grave is decorated? Perhaps there is no real remedy for this, especially where a custom loving public is concerned, except, maybe, individual effort on the part of the purchaser to see that plants are in fit condition to be left alone for a day or so.

A. H. SECKER.

SYRACUSE, N. Y.—Favored with a bright, but cool day, Memorial Day trade was very good indeed, quite up to the average. More plants were sold than usual, owing to the almost total absence of outdoor stock and the severe frost the first of May completely ruined the lilacs, snowballs, etc., and for more than a week we have had heavy gales daily that have whipped everything to pieces. Carnations sold well and brought from 75c. to $1.25 per dozen; roses, $1.00 to $2.50 per dozen. Many took pot plants instead of cut flowers, owing to the prices charged.

The drouth continues, and the outlook for everyone is very serious indeed. There has been no rain to speak of since April 5, with excessive hot weather and parching winds.

H. Y.

PROVIDENCE, R. I.—We are used to expecting greater demands each year at holiday times, and this season doubtless surpassed last Memorial Day receipts with everybody. The demand for all stock was met by the fullest receipts of carnations and roses, the former bringing $1.50 for average to fine grade, with a special price of $2.00 to $2.50 for extra. Plenty of ordinary stock failed to fetch over $1.00 per 100. Roses sold at $2.00 and $3.00 per 100 for medium-stemmed stock, with other prices for better grades according to the needs of grower and buyer. Gillyflower was the only extra item on the market, and sold at $2.00 to $3.00 when of extra grade. Ferns were just about sufficient for needs, with hardy ferns of better quality than fancy. There was plenty of smilax and asparagus from out-of-town. The weather was excellent, and helped to boom business till late Saturday afternoon.

C. S. M.

MILWAUKEE, WIS.—Decoration Day trade was a record breaker. The demand for carnations was unprecedented, although everything else was also cleaned up. The weather turned cold just at the time when warm weather was wanted, therefore the supply was cut off considerably. There were plenty of lily of the valley, lilac and late tulips in the market, also of longiflorum lilies, which sold well. Cape jasmines arrived on the 30th, too late for shipping trade. This was due to the cool weather in the South during April.

We have had very heavy and almost daily thunder showers the past week, delaying outdoor planting.

C. C. P.

DETROIT, MICH.—June business opened up well. Decoration Day cleaned up all stock satisfactorily. Prices on carnations have advanced a notch or two again. We had a heavy glut for two weeks previous; carnations have sold as low as $7.50 per 1000. The outlook for this month is very promising. Peonies are selling quite well; pink sorts have the greatest call. American Beauty roses are much sought after. Shipping to all points is brisk; and local trade is up to the standard.

DILGER.

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CHRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Weeks, Mayflower, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Golden Wedding, Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100.

Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

BOSTON FERNS 2½ in., $6.00 per 100; 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each; 9 in., $1.50 each. Cash or C. O. D.

ROSES, 2,000 2½ in. Bride plants, $3.50 per 100

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

ASTERS

50,000 ready to plant out. Semple's and Queen of the Market, grown from the best seed, 40c. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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BEDDING PLANTS.

Geraniums, from 3 and 4 in. pots, all double, in bud and bloom, $5.00 per 100; **Salvia,** Silver Spot and Splendens, from 2½ in. pots, strong, $3.00 per 100; Transplanted Seedlings from bench, $2.00 per 100; Double and Single Fringed **Petunias,** in bud and bloom, 3 in. pots, $4.00 per 100. Double Sweet Alyssum, 2½ in. pots, $2.00 Per 100. Cash with order. The above plants are healthy and satisfaction guaranteed.

C. LAWRITZEN, Rhinebeck, N.Y.

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CANNAS

Good and well-established **CANNAS,** 3 and 4 in. pots, 12 to 18 in. high. 3 in. pots, $3.00 per 100; 4 in. pots, $4.00 per 100. President McKinley, President Cleveland, Queen Charlotte, Mme. Crozy, Chas. Henderson, Duke of Marlboro, Allemania, Torchlight, America.

3 in., $2.50 per 100; 4 in., $3.50 per 100. Italia, Burbank, Austria, Florence Vaughan.

CHOICE GERANIUMS

2½ in. pots, $2.50 per 100; $20.00 per 1000. Jean Viaud, Wonder, Ricard, Atlantis, Mme. Bruant, L. Swartling, Granville, Mrs. J. M. Garr, Madonna, Gen. Dodds, Ben. Schroeder, Columbia, W. L. Gunn, Souv. de Miranda, La Vienne Princess Alix, Mme. St. Paul Bridoux, Emile de Girardin, Heteranthe, Dr. Blanche, Bucharles, S. A. Nutt, White Swan and La Contable.

FINE FUCHSIAS, 2½ in. pots, $2.00 per 100. These are fine plants. Avalanche, Rosana Patri, Mrs. E. G. Hill, Trophee, Arabella, Speciosa, Black Prince, Trailing Queen.

COLEUS, 20 varieties, 2½ in. pots, $2.00 per 100.

HARDY ENGLISH VIOLETS, 2½ in. pots, $3.00 per 100.

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Our stock of established and freshly imported Orchids this season is exceptionally fine. Also a full line of Baskets, Peat and Moss for Orchids of best quality.

Write for prices.

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Plumosus Nanus

All sold out of 2¼-3½ and 4 in. sizes, but still have a fine lot of good, strong stock from 3 in. pots left, at $8.00 per 100. Cash with order.

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About 500 plants left, 2½ to 4 ft. high, from $4.50 to $7.50 per dozen. Fine stock. Cash with order.

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199 Grant Avenue,
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COLEUS

Crimson Verschaffeltii, Golden Bedder and 20 others, 2 in. pots, $1.50 per 100; $15.00 per 1000.

Salvia, 2½ in. pots, $2.00 per 100.

Ageratum, P. Pauline and **Stella Gurney,** 2 in. pots, $1.50 per 100.

Geraniums, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100. **Cannas,** 4 in. pots, $5.00 per 100.

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Successor to C. A. Harris & Co.

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50,000 ASTERS

Semple's, Truffaut, Victoria and Queen of the Market, four colors of each, separate, 250 by mail, $1.00; per 1000, $3.00.

	Per 100
LOBELIA, C.P., Speciosa and Compacta, 2 in.	$2 00
VINCA MINOR, 3 colors, 2 in.	2 00
AGERATUM, Stella Gurney, Perfection and Pauline, 2 in	2 00
COSMOS, Giant Flowering, 2 in.	2 00

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

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BEDDING STOCK

close out we make the following low prices on strictly A1 stock.

GERANIUMS

2½ in. pots, $2.50 per 100; $25.00 per 1000.
200 HUBERT, CHARRON, 500 S. A. NUTT, 200 MRS. E. G. HILL, 500 MARVEL, 100 LA FAVORITE, 100 MME. CHAROTTE.

Same Varieties in 4 in. pots, $5.00 per 100; $40.00 per 1000.

	100
300 Caladinm Esculentum, 4 in. pots.	$5.00
500 Arundo Donax Var., strong divisions in growth ready for immediate planting	10.00
500 Alyssum (Double) 2 in. pots.	2.50
600 Centaurea Gymnocarpa, 2 in. pots	2 50
300 Coleus Golden Bedder	2.00
300 " Vershaffeltii	2.00
500 Pennisetum Longistylum, 2½ in. pots	2.50
400 Pyrethrum Little Gem	2.50
400 " Golden Leaf	2 50
800 Salvia Splendens, 2½ in. pots	2.50

Helianthus—Miss Mellish, Rigidus and Maximilliana, Boltonia Latisquama, Sweet William, Rudbeckia Newmannii, $2.50 per 100.

Sedum Spectabilis, Oriental Poppy and Digitalis, $3.00 per 100.

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A Bulletin on Fertilizers.

The Vermont Experiment Station has just issued Bulletin 99, an 88-page publication, concerning commercial fertilizers. It is the most complete bulletin of its kind thus far issued in Vermont, and is one of the most comprehensive publications on this subject that has been printed in the East. It not only gives a review of the trade of the year, but discusses the nature and use of fertilizers and gives suggestions as to choice, etc. The bulletin is well indexed and contains a dictionary of the terms used in fertilization. This is the first of a series of bulletins in which it is expected to discuss the whole subject of fertilizers and fertilization from A to Z. It may be had for the asking. Those desiring to receive future issues without further notice should ask to have their name placed on the mailing list. A postal card addressed to the Experiment Station, Burlington, Vt., is sufficient.

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15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.

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W. T. HILLBORN, "Florist,"
Newtown, Bucks Co., Pa.

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ASTERS

SEMPLE'S in separate colors, white, roses shell pink, purple and lavender. $2.50 per 1000. Write for prices on large lots.

Queen of the Market, 50c. per 100.

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Double Fringed

PETUNIAS

A No. 1 collection of money makers, strong plants from 2 in. pots, $2.00 per 100. **Verbenas,** Mammoth Fancy Strain, 2 in., $1.50 per 100. Also **Geraniums, Chrysanthemums, Heliotrope, Asters, Selaginellas, etc.**

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EARLY COSMOS,

the popular strain I have sold in the New York Cut Flower Exchange, the last four years. Pink, red and white mixed, seedlings, $1.00 per 100; $9.00 per 1000. Geraniums in bud and bloom, 4 in. $5.00 per 100; 3 in. $3.50 per 100.

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The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

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PANSIES AND DAISIES FOR IMMEDIATE DISPLAY.

Large plants in full bloom raised from **Dreer's "Royal Exhibition" Seed,** and large **Blooming Clumps English Daisy** (Bellis), $2.00 per 100.

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GERANIUMS, Mixed colors, first-class assortment, from 2½ and 4½ inch pots.

COLEUS, in varieties, 2½ inch.

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We Have Received Advice of the Shipment of

10,000 Cattleya Trianæ

OF THE VERY FINEST TYPE.

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Also a shipment of extra large plants of **Oncidium Varicosum Rogersii. Epidendrum Memorale, Odontoglossum Citrossum, Od. Maculatum, Od. Nebulosum, Od. Reichenheimii, Oncidium Unguiculatum, Epidendrum Vittelenin Majus, Oncidium Cavendishianum, Cattleya Citrena, Oncidium Ornithorynchum.** Write for prices.

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At cost price. To clear out stock.

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Roses, Palms, Crotons

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0 Strings of ASPARAGUS PLUMOSUS, 10 feet long,

t on 400 Plants from bed, 3 years old. We need room for Palms. 1000 **Asparagus Sprengeri,** ., 10c.; 4 in., 12½c.; 5 in., 25c. Strong plants for es. Best varieties of **Geraniums,** strong, 4 in., 0 per 100. **Palms, Ferns and Ficus.**

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FERNS.

t varieties for dishes, etc., 2½ and 3 in., $3.00 per 100.

UGAINVILLEA, 4 and 5 in., $2.50 per doz.
GONIA METALLICA, 3 in., $3.00 per 100.
UTILON, Eclipse and Splendens, 3 in., $3.00 per 100.
THERICUM, variegated, 3 in., $3.00 per 100
BELIA, Kaiser Wilhelm, 2 in., $2.00 per 100.
IRYSANTHEMUMS, Appleton, Eaton, Ivory, and other best commercial varieties. Our selection of varieties, your selection of colors, from 2½ in. $2.25 per 100.

CASH WITH ORDER, PLEASE.

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rapidly growing in popularity among those care- growers who have been watching its progress ring the past few months. Large specimens are eedingly graceful.—American Florist, April 4.

eautiful plants, 3-inch, $20.00 per hundred, now dy.

,000 Boston Ferns now ready at $25.00 per 100, cut from bench. Orders booked now for small Boston Ferns for Summer delivery.

entias, very fine, $50.00, $75.00, $100.00 per 100.

d Ribbed Rubbers, 2 ft., $6.00 per doz.

0,000 Bedding Plants, in Geraniums, Vincas, German Ivy, Heliotrope, Ageratum, Daisy, Lemon Verbena, Coleus, Alternanthera, Asters, Marigold, etc., etc.

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FERNS OUR SPECIALTY

Our first crop of **Fern Seedlings** is now ready for potting, including the following varieties:

Pteris cretica cristata, Pteris cretica albolineata, Pteris serrulata, Pteris serrulata densa, Pteris Adiantoides, Aspidium Tsussimense, Lastrea Chrysoloba, Lomaria Gibba, Doodia aspera, Onychium Japonicum, Adiantum cuneatum and Adiantum pubescens. Equal number of each at $1.00 per 100; $8.50 per 1000. 500 at 1000 rate If by mail add 10 cts. per 100 for postage.

MIXED FERNS, for dishes, 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rates.

ADIANTUM CUNEATUM, just the thing to plant out in benches now for next season. 4 in., $9.50 per 100; $90.00 per 1000. 5 in., $12.00 per 100.

FERN SPORES, gathered from our own stock, 30 cts. per trade pkt ; 10 pkts., $2.50.

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A FEW GOOD THINGS YOU WANT

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5 and 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Sprengeri, 3 in., $5.00 per 100.
Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, Bonnot, Frances Perkins, 2 in., $2.50 per 100; 3 in. pots, $5.00 per 100.
Gladiolus Bulbs, good mixture, 50c. per 100.
Pansies, ready to bloom, $1.00 per 100.
Cannas, 3 in., $4.00 per 100.
Verbena, Scarlet Sage, Petunia, Coleus, mixed; **Ageratum,** blue and white, **Lobelia, Achyranthes,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

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Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz. 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

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KENTIAS

	Per 100	Per 1000
2½ in. pots	$6.00	$50.00
3 in. pots	12.00	
4 in. pots	25.00	

Ferns, $5.00 per 100.

Samuel S. Pennock,
1612 Ludlow St , Philadelphia, Pa.

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FERNS AND PLANTS

Ferns. A good variety of the best and hardy kinds suitable for fern dishes, etc., $3.00 per 100.

German Ivy, 2¼ in., $2.00 per 100; 4 in., big bushy plants, $6.00 per 100.

Geraniums, 4 in., $6 per 100; 2¼ in., $2.50 per 100.

Verbenas, 2¼ in., $2.00 per 100.

We have a large variety of Bedding Plants. Write us for what you need.

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KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100,

Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

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JOSEPH HEACOCK

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Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

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ASPARAGUS SPRENGERI

Our specialty, 2½ in., $3.00. 3 in., $4.00; 4 in., $8.00; 5 in., $15.00; 6 in., $25.00 per 100. Fine stock.

ROSES, 2½ in., Bride and Bridesmaid, $2.50 per 100.
GERANIUMS, E. H. Trego, 2½ in., $6.00; 4 in., $10.00 per 100.
TOMATO PLANTS, Transplanted, 40c. per 100, $3.50 per 1000.
ENGLISH IVY, 2½ in. and 4 in., $3.00 and $6.00 per 100.
BOSTON FERNS, 5 in., $25.00 per 100.

J. H. BORNHOEFT, Tipton, Ind.

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Nephrolepis Piersoni

FOR IMMEDIATE DELIVERY

EXTRA STRONG PLANTS from 2½ inch pots
$50.00 per 100
$30.00 per 50
$9.00 per Dozen

BOSTON FERNS Any size and quantity ready for June delivery.

JARDINIERE FERNS $4.00 per 100; $35.00 per 1000.

COLEUS Verschaffeltii and Golden Bedder, from 2¼ inch pots, $2.25 per 100; $20.00 per 1000.

ENGLISH IVIES Strong bushy plants, $12.00 per 100.

CANNAS 100,000 plants in 25 of the best varieties, at very low prices. Write for price list.

KENTIAS Belmoreana and Forsteriana, extra strong plants in 4 in. pots, $25.00 and $35.00 per 100.

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A No. 1 **Dagger and Fancy Ferns**, $1.50 per 1000. Discounts on large orders. A No. 1 **Bronze and Green Galax**, $1.00 per 1000 in 5000 lots. **Laurel Festooning**, good and full, 5 cts. and 6 cts. per yard. **Leucothoe Sprays**, $1.00 per 100. **Green and Sphagnum Moss**, $1.00 per bbl. Southern **Wild Smilax**, selected stock, $4.00 and $7.00 per case.

We guarantee all our stock to be first class. Orders by mail, telephone or telegraph will receive our personal and prompt attention. We can fill orders in any quantity at very short notice.

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New Crop Fancy and Dagger Ferns, 75c. per 1000. Discount on large orders. Contracts made to supply the year round. Use our Laurel Festooning for your June decorations. It's the best decorating material to be found for weddings, etc. Price 4c., 5c., and 6c. per yard. **Galax**, green or bronze, 75c. per 1000. Mosses, etc. Everything in Hardy Supplies gathered fresh daily. Send us your wants and be well satisfied.

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Mention the Florists' Exchange when writing.

HARDY CUT
FERNS,

Fancy or Dagger, 50c. per 1000. **Bouquet Green**, $5.00 per 100 lbs. Sphagnum Moss, fine quality, 50c. per bbl. **Laurel Roping**, $4.50 per 100 yds. All orders by mail or dispatch promptly attended to.

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GALAX

Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.

Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

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Asparagus, Smilax, Sprengeri and Adiantum.
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Berberis Oregonium
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Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid**, for $1.00.

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FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
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New York.

The Week's News.

Much uneasiness is felt by growers in this section over the lack of rain this season. There has been no downfall worth mentioning for about two months and carnations as well as all other crops are suffering badly.

Chairman F. H. Traendly, of the club's outing committee, is receiving many applications for tickets to the annual outing, which is to take place on Wednesday, July 1. All indications point to a large gathering on that date. Those who intend going, and who have not yet secured their tickets, should do so at the earliest moment. There is a limit to the capacity of the dining-room at Witzel's Point Grove, and it would be unfortunate for anyone to apply for tickets too late to be accommodated.

Professor Charles S. Sargent and his son, A. R. Sargent, with John Muir, the naturalist, sailed on the Celtic on May 29 for a trip around the world, the object being to collect botanical specimens for the Arnold Arboretum of Harvard University. The trio's efforts will be especially directed toward the flora of Europe and Northern Asia. They will go to St. Petersburg and Moscow, then over the Trans-Siberian railroad to Pekin. Java and Hong Kong will be visited, and the route home will be via San Francisco. Specimens collected will be shipped home as soon as obtained, whenever possible to do so.

The wholesale plant trade in this city for Memorial Day was exceptionally good. The market at Clinton street was thronged with buyers and growers from 12 o'clock midnight until 5 o'clock a.m., and some of the Jersey growers made two extra trips to their greenhouses during the night, stock selling out so well. The principal buyers at this mart are usually the men who, with their horses and wagons, peddle the flowering plants through the streets of the city. On Friday morning, however, we saw the wagons of some of the leading retail stores of the city loaded with plants obtained at the market. Some of the storekeepers were evidently buying stock in large quantities.

Small-sized plants are the best sellers usually, and prices realized are about as follows: Geraniums, 80c. to $1.00 per dozen; petunias, single, 60c.; double, $1.00; anthemis, 60c. to 75c.; heliotrope, $1.00; mignonette, 75c.; fuchsias, 75c. to $1.25; the latter were 5-inch pot stock; herbaceous calceolarias, $1.00 per dozen; nasturtiums, 50c. Hydrangeas probably met the slowest demand of any and $4.00 per dozen was asked for large plants.

W. C. Krick, Broadway, Brooklyn, is just back from Atlantic City, where he has been spending a few days in recreation. Krick's Letters have gained a world-wide reputation, as is evidenced by a diploma and gold medal that has lately arrived from Rome, Italy. At the exposition held in the Eternal City late in the year 1902, Mr. Krick exhibited some of his letters and immortelle designs, and the awards given at that time have but recently come to hand. The gold medal is about 2½ inches in diameter, the inscription on one side reads: "Roma Esposizione Campionaria Internazionale," and on the reverse is a bust of the King, with the inscription, Vittoria Emmanuele III. R. D. Italia. Mr. Krick, with hi wife and children, will go to the Catskill Mountains the latter part of thi month.

The June meeting of the New Yor Florists' Club will be held on Mon day evening next, June 8, in the clu room, Grand Opera House building corner Twenty-third street and Eight avenue. This is peony night, and it i expected that an exhibition of thes flowers will be on hand. Beaulieu ha given notice that he will make an ex hibit of pansies; and the outing com mittee will exhibit programs of the fa mous event that they have schedule to take place at Witzel's Point Vie Grove on Wednesday, July 1. Conven tion matters will also be discussed an the traveling route to Milwaukee de cided. These interesting topics shoul bring out every member, particularl also, as this will probably be the las meeting of the club until the mont of September.

J. Thumann is seeking a buyer fo his greenhouses, located at Union Hil Jersey City. For the last seven year the houses have been operated by Schoelzel. All told, there is about 35,000 square feet of glass, and the clos proximinity to New York makes th place a very advantageous one for th cultivation of either flowers or decora tive plants.

The New York Cut Flower Co. an Moore, Hentz & Nash, commence June 1 to close their places of busines at 3 p.m. daily.

W. E. Marshall, who for the pa several years has been in the emplo of Weeber & Don, seedsmen, has go into business on his own account 41 West Twenty-fourth street, whe he will deal in seeds, plants, bulbs an horticultural sundries.

J. J. Van Waveren, of L. Van Wa eren & Co., Hillegom, Holland, salle June 3, after a successful tour of th United States.

J. A. Evans, Richmond, Ind., was town this week. Large ventilating o ders denote considerable building th season throughout the country, he say

CUT FLOWER BOXES

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29.00
4.—3x5x24	2.75	25.00	9.—5x10x35	6 50	60,00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash

THE LIVINGSTON SEED CO.
Box 102, COLUMBUS, O.

Mention the Florists' Exchange when writing.

CINCINNATI, O. Stock in this mark is now scarce, and prices have advanc considerably. Roses have deteriorat in quality. American Beauty, first qua ity, long stems, bring 25c. each; Bride a Bridesmaid, 2c. to 6c.; Golden Gate, 2 to 6c.; Liberty, 2c. to 4c.; short Amer can Beauty, 3c. to 5c.; medium, 8c. 10c.; 2-inch, $1.50 per dozen. Lily of th valley, 4c.; stocks, 3c.; sweet peas, 25 to 50c. per 100; coreopsis, 75c. to $1.00 p 100; fancy Western ferns, $1.25 per 1,00 adiantum, $1.50 per 100; smilax, 15c. p string. The demand is very brisk a stock is moving rapidly.

KALAMAZOO, MICH.—Trade for De oration Day kept well up to the averag of past years, although no great increa was noted. Plenty of stock was to had and most of it cleaned out at th usual prices. Roses, $1.00 to $1.50 p dozen; carnations, 50c. to 75c. per doze for good fair flowers. Some small an poorer flowers sold for less. Outdo stock was in some demand, and thos who had it cleaned out at satisfacto prices.

S. B.

CHANGES IN BUSINESS.

NATICK, MASS.—N. A. Hudson ha purchased the violet business of Willia Glidden on Park street.

SHENANDOAH, PA.—Payne, the flo ist, has opened a store in the Burns Buil ing, North Main street.

MONTECITO, CAL.—John F. Horsle formerly of Ontario, Cal., Burnett, Cal and Long Beach, Cal., is now locate here. He is still in the florist busines but not on his own account.

PORTO ALEYNE, RIO GRANDE D SUL, BRAZIL.—Schoenwald & Dentrich importers and exporters of plants an horticultural supplies, formerly doin business as the "Compantion Horticola at Santa Cruz, are now located here.

SUMMIT, N. J.—Emerson C. McFad den, of Short Hills, N. J., has purchase from Gates Bros., Summit, the larg greenhouse establishment known as t Kent Place Nurseries. The place consis of about nine acres of land and abo 100,000 square feet of glass, which w be devoted to roses, carnations, Adiantu Farleyense, and other ferns, etc. A Short Hills Mr. McFadden will devo his entire plant of 20 houses to cut de orative stock, his leader being Aspara gus plumosus nanus.

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Wholesale Florists
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Telephone: 2438 Madison Square

Geo. E. Bradshaw John K. Hartman
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Wholesale Florists
53 West 28th Street, NEW YORK
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Consignment Solicited

CUT FLOWER EXCHANGE
Coogan Building, 6th Ave. and 26th St.
NEW YORK
Open every Morning at 6 o'clock for the Sale of Cut Flowers
This is not a commission house; the market consists of individual stands
Wall Space for advertising purposes to Rent
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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
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Specialties **ROSES-CARNATIONS-VIOLETS**
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Branch Store:
48 West 30th St., N. Y.
R. W. PERKINS, MANAGER
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Violets Roses Carnations Orchids
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ALFRED H. LANGJAHR
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Telephone, 939 Main

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Wholesale Florists
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2034 Mad. Sq.
J. A. MILLANG
Manager

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WHOLESALE COMMISSION FLORIST
Receiver and Shipper of all varieties of Cut Flowers
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57 West 28th Street, NEW YORK

Wholesale Prices of Cut Flowers, New York, June 5, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	8.00 to 20.00
	" extra	6.00 to 8.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	2.00 to 4.00
	Queen of Edgely	8.00 to 20.00
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00
	" extra	3.00 to 4.00
	" No. 1	1.00 to 2.00
	" No. 2	.50 to 1.00
	Golden Gate	1.00 to 6.00
	Liberty	2.00 to 8.00
	Meteor	1.00 to 4.00
Adiantum		.35 to .75
" Croweanum		...... to 1.25
Asparagus		25.00 to 50.00
Callas		3.00 to 6.00
Cattleyas		12.00 to 40.00
Cypripediums		..... to ......
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.50 to 1.00
	Standard Varieties	White	.50 to 1.00
		Pink	.50 to 1.00
		Red	.50 to 1.00
		Yel. & Var.	.50 to 1.00
	*Fancy— (*The highest grades of standard var.)	White	1.00 to 2.00
		Pink	1.00 to 2.00
		Red	1.00 to 2.00
		Yel. & Var.	1.00 to 2.00
	Novelties		2.00 to 3.00
Lilies			2.00 to 4.00
Lily of the Valley			1.00 to 3.00
Narcissus—Paper White			...... to ......
" —Yellow			...... to ......
Mignonette—ordinary			.50 to 1.00
" fancy			...... to ......
Peonies			3.00 to 4.00
Smilax			10.00 to 12.50
Stocks, per bunch			.05 to .10
Sweet Peas, per bunch			.02 to .06
Tulips			...... to ......
Lilac, per bunch			...... to ......

WALTER F. SHERIDAN
Wholesale Commission Dealer in **Cut Flowers**
Receiving Extra Quality AMERICAN BEAUTY and all other varieties of ROSES. CARNATIONS.
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TOP GRADE FOR SHIPPING
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KAISERINS
METEORS
BEAUTIES
Etc.

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1612-14-16-18 Ludlow St., Philadelphia
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Valley
Sweet Peas
Beauties
Order
FROM LEO NIESSEN
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Letters and Wire Designs
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34 Hawley St., BOSTON, MASS.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston May 27, 1903	Phil'delphia June 2, 1903	Baltimore May 27, 1903	Buffalo June 3, 1903	Pittsburg June 2, 1903
	A. BEAUTY, fancy—special	...... to 25.00	25.00 to 35.00	...... to	20.00 to 25.00	25.00 to 30.00
Roses	" extra	16.00 to 20.00	15.00 to 25.00	...... to	10.00 to 15.00	15.00 to 20.00
	" No. 1	10.00 to 12.50	10 00 to 15.00	15.00 to 20 00	6.00 to 8.00	8 00 to 12.00
	" Culls and Ordinary	3.00 to 6.00	4.00 to 10.00	4.00 to 12.00	2.00 to 4.00	2.00 to 5.00
	Queen of Edgely	6.00 to 20.00	15.00 to 25.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to	8.00 to 10 00	...... to 6.00	...... to	...... to 6.00
	" extra	...... to 8.00	6.00 to 8.00	...... to	6.00 to 8.00	4.00 to 5.00
	" No. 1	4.00 to 6.00	5.00 to 6.00	...... to	4.00 to 5.00	2.00 to 3.00
	" No. 2	2.00 to 3.00	4.00 to 5.00	.... to 3 00	2 00 to 3.00	...... to 1.00
	Golden Gate	...... to	4.00 to 8.00	3.00 to 6.00	2.00 to 6.00	2.00 to 4.00
	K. A. Victoria	3.00 to 10.00	...... to	3.00 to 6.00	2.00 to 8.00	2.00 to 8.00
	Liberty	4.00 to 6.00	4.00 to 25.00	2.00 to 6.00	2.00 to 8.00	2.00 to 10.00
	Meteor	2.00 to 3.00	4.00 to 6.00	2.00 to 6 00	2.00 to 8.00	2.00 to 4.00
	Perle	...... to	4.00 to 6.00	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
	ORCHIDS—Cattleyas	...... to	...... to 50.00	...... to	...... to	...... to ......
	Cypripediums	...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	1.00 to 1.25	...... to	...... to 1.00	.75 to 1.00	.50 to .75
	STANDARD VARIETIES White	...... to 1.50	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	1.00 to 1.50
	Pink	...... to 1.50	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	...... to 1 00
	Red	...... to 1.50	1.50 to 2.00	1.25 to 2 00	1 25 to 2.00	...... to 1.00
	Yellow and var.	...... to 1.50	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	...... to 1.00
	*FANCY (*The highest grades of Standard var) White	...... to 2.00	2.00 to 4.00	...... to	2 50 to 3.00	1.50 to 2.00
	Pink	...... to 2.00	2.00 to 4.00	...... to	2.50 to 3.00	1.50 to 2.00
	Red	...... to 2.00	2.00 to 3.00	...... to	2.50 to 3.00	1.50 to 2.00
	Yellow and var.	...... to 2.00	2.00 to 3.00	...... to	2.50 to 3.00	...... to ......
	NOVELTIES	2.00 to 3.00	...... to	...... to	4.00 to 5.00	...... to 4.00
	ADIANTUM	.75 to 1.00	...... to 1.00	...... to 1.00	.50 to 1.00	.75 to 1.00
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	10.00 to 50.00	20.00 to 50.00
	CALLAS	...... to	12.50 to 15.00	6.00 to 10.00	8.00 to 10.00	6.00 to 8.00
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	...... to	.75 to 1.00	...... to	...... to	.50 to 2.00
	GALAX LEAVES	.10 to .15	...... to .10	...... to .10	.10 to .15	...... to ......
	GLADIOLUS	...... to	10.00 to 12.50	...... to	3 00 to 5 00	5.00 to 8.00
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILIES	8.00 to 10.00	...... to	8.00 to 10.00	10.00 to 12.50	8.00 to 12 00
	LILY OF THE VALLEY	1.50 to 3.00	4.00 to 5.00	.50 to .75	3.00 to 5.00	3.00 to 4.00
	MIGNONETTE—Ordinary	1.00 to 1.50	...... to	1.00 to 2.00	...... to	...... to 1.00
	" Fancy	...... to	...... to	...... to	...... to	...... to ......
	NARCISSUS	...... to	...... to	...... to	...... to	...... to ......
	PANSIES	.25 to .50	...... to	.30 to .40	...... to	...... to .25
	SMILAX	...... to	15.00 to 20.00	10.00 to 25.00	12.50 to 15.00	12.50 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	.25 to .50	.50 to 1.00	...... to .50	.40 to .75	.25 to .60
	TULIPS	1.00 to 2.00	...... to	...... to	...... to	...... to ......
	VIOLETS	...... to	...... to	...... to	...... to	...... to ......

BOSTON, MASS.
Asparagus Plumosus
Mignonette
Lily Harrisii
Brides
'Maids
American Beauties
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Pittsburg.

Club Meeting.

The Florists' Club held its regular meeting last week, when the subject of roses and hardy blooms was discussed. The convention of the Society of American Florists, to be held in Milwaukee in August, was talked about, and rates varying from about $16.00 to $18.00 for the round trip have been received, but better can perhaps be done if a sufficient number go. The president appointed a committee on transportation—E. C. Reineman and E. C. Ludwig—to report at next meeting in July. The annual outing of the club was also brought up and a committee of five, as follows, E. C. Ludwig, J. W. Ludwig, Wm. Lauch, John Bader and E. C. Reineman, was appointed to make all necessary arrangements.

E. C. REINEMAN.

Louisville, Ky.

The building of a new large hotel will cause quite a few changes in the location of several of the local florists' stores. The store occupied for the past ten years by Jacob Schulz is on ground to be occupied by this hotel. Mr. Schulz buys the ground on which the store of F. Walker & Co. is situated, and he intends putting up a modern florist store and show conservatory. Under the circumstances, F. Walker & Co. were compelled to look for a new location, and it is rumored that they will purchase ground adjoining that bought by Mr. Schulz. As Mr. Schulz paid $1,000 per foot for his and F. Walker & Co. the same amount, or a little more, it will be seen how valuable this ground is. These movements will all be made during the Summer, as the two firms have been notified to vacate in thirty days.

There are rumors of other changes, but I have not been able to verify them.

A. R. B.

Providence, R. I.

News Notes.

Many florists found it an all-night task to keep up with Decoration Day orders.

J. Wood sustained an ugly cut of the thumb, which hampered his Memorial Day work.

Miss Burlando has finished her employment with Johnston Bros., and it is probable that George Johnston will once more take up active business at the old stand after an illness of many months.

Business for Memorial Day aggregated more than last year, and in some instances was almost double.

Both Louis' has separated from J. Wood and are open for engagements.

Things are very quiet just now, and you can buy stock at your own price.

Remember the chowder party at the florists' club on Thursday, June 11.

C. S. M.

Wholesale Florists,
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
N. F. McCarthy & Co.
JOBBERS IN
FLORISTS' SUPPLIES
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Wholesale Florists
PITTSBURG, PA.

Headquarters in Western New York
For ROSES
CARNATIONS
And all kinds of Seasonable Flowers
WM. F. KASTING
Wholesale Commission Florist
ALSO DEALER IN FLORISTS' SUPPLIES AND WIRE DESIGNS
481 Washington St. BUFFALO, N.Y.
TELEPHONE SENECA 620
GIVE US A TRIAL. WE CAN PLEASE YOU.
Mention the Florists' Exchange when writing.

Chicago.

News Jottings.

During the past week the weather has been rather erratic. The rains that have fallen were much needed in some parts, and carnation stock in the fields has been greatly benefited. For a time it seemed as if it was going to be a very dry Summer. If the drouth had continued stock of all kinds would have suffered, especially carnations. As it was, the hardy herbaceous and flowering shrubs were damaged to some extent, and the blooming season shortened.

The wholesalers report trade up to the average for Decoration Day. Shipping was extra heavy. There has been some complaint about the keeping qualities of cold storage peonies. When the blooms left the commission houses they seemed to be in first-class condition, but when received and exposed to the air they went to pieces. It may have been that the flowers were slightly damaged before cutting by the late frosts that passed through the neighborhood where they came from, as in former years no complaints were heard as to their keeping qualities. Home-grown stock is coming in in excellent condition and selling well, being about a week earlier than last year.

Decoration Day plant trade was not up to that of former years, due to the inclement weather. Prices were a trifle higher.

The Garfield Park Floral Co. had some fine grown 4-inch campanulas in bloom for Decoration Day trade, but find them not very satisfactory plants to handle, as it is almost impossible to ship them without bruising the flowers. Nor can they be cut and sold as cut flowers at any profit.

Wietor Bros.' cut of carnations for the last three days of last week was 96,000 and the flowers were all sold at the end of each day. The firm's roses are extra fine. N. J. Wietor is suffering from a severe wound in the thumb.

Peter Reinberg is cutting some very good Mme. Abel Chatenay roses; stems average 42 inches. His new American Beauty range is finished and he has started to plant.

Plant trade at Vaughan's Seed Store is better this season than in former years.

F. R. Hills is receiving some finely grown carnations from B. Eldridge, of Belvidere; his Eldridge B. is especially fine now.

Rose thorn poisoning is beginning to make its annual appearance among the trade. Leonard Kill is suffering from a severe case at present.

Sinner Bros. are sending to the market some of the finest carnations received here. This firm is well satisfied with their change from shipping to selling their own stock.

The George Wittbold Co. are sending in some 5-inch Boston ferns of good quality, and find a ready sale for them at good prices.

A movement was inaugurated at the last meeting of the Florists' Club to try to increase the membership. The trustees were instructed to endeavor to find a hall, with bowling alleys connected. A committee on entertainment, composed of J. C. Vaughan, W. N. Rudd and P. J. Hauswirth, was appointed with power to appoint subcommittees if necessary.

Retail cut flower trade was very good for Decoration Day, but has fallen off considerably since.

ROBERT JOHNSTONE.

Cincinnati.

emorial Day Trade.

Memorial Day trade far exceeded ny we have ever before experienced, nd we could have sold more goods if hey had been available. Prices were ll right for the time of year and the uality of the stock. The stores were ll very busy, and everybody is well leased. This week the scene changes ntirely. Commencement exercises and liberal number of weddings are takng up the attention of the stores, conequently we wholesale men are kept ustling trying to get stock to fill the rders.

reatment of Commission Men by Some Growers.

Some of the growers, who do a etail as well as wholesale business, ell their stock at home when it is carce and we need it—and save the ommission. Then, when we are loadd, they are only too glad to forward to the commission man. They do ot take into consideration that the ommission man has customers who uy his stock all throughout the seaon, and, when the various holidays ome, want the stock badly, but get vhat the little boy shot at. I do not ay that all growers do this, for some f them appreciate the position the ommission man is in, and try to diide at least—which is the only square ay to do.

ottings.

C. E. Critchell, of Atlanta, Ga., as returned after a short visit to his nany friends in this city. He was not narried, as was reported. He is at he head of one of the best establishnents in Atlanta.

Gustave Adrian's mother died last veek, at the residence of her son.

E. G. GILLETT.

Indianapolis, Ind.

ews of the Week.

Bertermann Bros. have incorpoated their business with a capital tock of $30,000. The stock, which is omposed of $10,000 preferred and $20,00 common, is retained by them. The irectors are John, Edward, Walter, rwin, and Herbert Bertermann. The fficers are: John Bertermann, presient; Walter Bertermann, vice-president; Irwin Bertermann, secretary and reasurer; and Edward Bertermann, nanager.

Indianapolis florists have been enoying a prosperous bedding season. Vhile some smaller florists have been ontracting for work at a very low nargin, nearly every one has been able o dispose of his bedding plants at a ood figure.

Messrs. Pahud, Nelson, and Braeudlu the cemetery florists, report the eaviest business in years in their line.

A great amount of planting has been one in the city parks this season, and Ir. Standley, the superintendent, deerves credit for the character of work n this section.

A heavy hail storm visited this secion Wednesday afternoon, May 27. everal of the florists had glass brokn, but not in large enough quantities o do serious damage.

The State Florists' Association of Iniana held its monthly meeting Tuesay evening, June 2, at the Commerial club rooms. No special program as outlined.

Alvin Schriber, foreman at Berterann Bros. Company, has been buying al estate, with a view to building in e near future.

Jacob Forest, of Greenfield, Ind., vised the several Indianapolis florists st week.

Harry Balsley, of Detroit, visited our ty this week. He proudly displays an lderman's badge as a reminder that ower pots have not driven him out of litics yet.

I. B.

St. Louis.

ottings.

A very important meeting of the . Louis Florists' Club will be held xt Thursday afternoon at 2 o'clock. resident Dunford is making a special fort to have a large attendance, as me matters of interest will come up. he trustees will make known the ace where the picnic will be held next onth. Vice-President Windler will ad his essay, as will Mr. Fillmore. rowers should not fail to bring a few veet peas for exhibition.

Edward Burchel, of the Reissen Flor Co., has charge of the floral department of the National Sangerfest, which is to be held this month at the World's Fair grounds. Mr. Burchel says a great many flowers will be used that week, commencing the 15th inst.

Theo. Miller expects to lead the life of a bachelor this Summer, as his wife and daughter will make a trip to Europe, starting next Thursday. Mr. Miller's daughter has been sick for some time, and should greatly benefit by this trip, which is mostly made for her health.

Next Sunday will be the first open Sunday this year at Shaw's Garden. The garden is in excellent shape for the visitors, and should the weather be fine, all records will be broken as to attendance. These open Sundays are becoming very popular with the public of St. Louis, who cannot find time to visit the garden on week days. The local florists are always received very kindly on those days by the boys out at the garden, as well as by Professors Trelease and Irish, who are both members of our club.

ST. P.

Denver.

A New Club Organized.

At a meeting held at the City Park Conservatories May 12 the Colorado Society of Floriculturists was organized, electing the following officers: John Salterthwaite, president; Frank F. Crump, of Colorado Springs, and Mrs. E. B. Davis, of Fort Collins, vice-presidents; Mrs. J. M. Johnson, of Boulder, treasurer, and J. A. Valentine, of Denver, secretary. A. J. Graham and J. A. Valentine were appointed a committee to act with the State Board of Horticulture to secure funds for the flower show, which will be held at the time of the fair at Pueblo in September. The State has allowed $500.00 for premiums. A schedule committee, consisting of F. F. Crump, A. E. Mauff and J. A. Valentine, was also appointed.

News Notes.

We were favored a couple of weeks ago by a call from Mr. and Mrs. E. G. Hill, of Richmond, Ind., en route for the Far West. Their stay here only lasted two days, one day being spent at Ward in company with Mr. Valentine, and the other in seeing the town. Unfortunately, the trip was cut short owing to a severe sand storm, so only a few of the places were visited.

We are having a very backward Spring and stock out-of-doors is making little progress. We have had several frosts since May 1, and the atmosphere generally is cold. Outdoor material will be scarce for Memorial Day. Lilacs were about knocked out by the frost, and snowballs, etc., are too backward.

P. S.

Kalamazoo, Mich.

Jottings About Town.

Bedding plant trade has shown some increase this season and most stocks are lower than is usually the case at this time. The weather for several weeks was most favorable for early planting, and at the present writing (June 1) much of it is done. The carnations in the field suffered somewhat from drouth early in the season, but the recent steady rains have placed them on a good growing basis, and they are now most promising. There is lots of hustling now being done to get roses replanted, and most of our growers are busy with all the men they can get hold of attending cleaning out of houses, etc.

The labor supply here, as elsewhere, makes itself seriously felt, common labor being both scarce and high-priced. Eventually this question will have to be faced by our growers and prices for our products graded according to cost of production.

Both the Central Michigan Nursery Co. and Van Bochove & Bro. are pushing the construction of their new houses as fast as possible, the material and workmanship of both being the most excellent kinds obtainable.

S. B.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

WE ARE WESTERN HEADQUARTERS
For CUT FLOWERS, SEEDS, BULBS and SUPPLIES for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.
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Wholesale Cut-Flower
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Wholesale Cut Flowers
CONSIGNMENTS SOLICITED
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THE E. F. WINTERSON CO.
Successors to McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago June 2, '03	St. Louis June 1, '03	Cincinnati June 2, '03	Milwaukee June 1, '03	Detroit June 3, '03
	A. BEAUTY, fancy—special	20.00 to 24.00	..... to 25.00	...... to 25.00	..... to 25.00	25.00 to 30.00
Roses	" extra	18.00 to 20.00	18.00 to 20.00	..... to 20.00	18.00 to 20.00	..... to 20.00
	" No. 1	12.00 to 15.00	10.00 to 15.00	...... to 12.00	12.50 to 15.00	..... to 10.00
	" Culls and Ordinary	4.00 to 8.00	3.00 to 8.00	3.00 to 4.00	4.00 to 8.00	5.00 to 8.00
	Queen of Edgely	...... to	...... to	...... to	..... to	...... to .....
	Bride, 'Maid, fancy—special	5.00 to 6.00	...... to 6.00	..... to	...... to 6.00	..... to 6.00
	" extra	4.00 to 5.00	...... to 5.00	4.00 to 6.00	...... to 4.00	..... to 5.00
	" No. 1	3.00 to 4.00	...... to 4.00	2.00 to 3.00	...... to 3.00	..... to 4.00
	" No. 2	...... to	2.00 to 3.00	1.00 to 2.00	...... to 2.00	...... to 3.00
	Golden Gate	4.00 to 8.00	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
	K. A. Victoria	3.00 to 6.00	2.00 to 5.00	6.00 to 8.00	4.00 to 6.00	4.00 to 8.00
	Liberty	4.00 to 20.00	2.00 to 8.00	2.00 to 4.00	4.00 to 8.00	.. .. to ......
	Meteor	3.00 to 6.00	3.00 to 6.00	..... to	4.00 to 6.00	4.00 to 6.00
	Perle	3.00 to 6.00	3.00 to 5.00	...... to	4.00 to 6.00	4.00 to 6.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	..... to	. .... to 50.00
	Cypripediums	. ... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	...... to	.75 to 1.00	...... to 1.00	...... to	..... to 1.00
	STANDARD VARIETIES White	1.50 to 2.00	1.50 to 2.00	...... to 2.00	1.50 to 2.00	1.50 to 2.00
	Pink	1.50 to 2.00	1.50 to 2.00	...... to 2.00	1.50 to 2.00	..... to ......
	Red	1.50 to 2.00	1.50 to 2.00	...... to 2.00	1.50 to 2.00	..... to ......
	Yellow and Var.	1.50 to 2.00	1.50 to 2.00	.... to . ..	1.50 to 2.00	.... to ......
	*FANCY— (*The highest grades of standard var) White	2.00 to 3.00	2.50 to 3.00	2.00 to 2.50	..... to 3.00	. . to 2.00
	Pink	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	..... to 3.00	...... to ......
	Red	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	..... to 3.00	..... to 2.50
	Yellow and Var.	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	.... to 3.00	..... to ......
	NOVELTIES	3.00 to 4.00	...... to	..... to	..... to	..... to ......
	ADIANTUM	1.00 to 1.50	...... to	...... to 1.50	.. ... to ...	1.00 to 1.50
	ASPARAGUS	30.00 to 50.00	10.00 to 30.00	40.00 to 50.00	20.00 to 40.00	40.00 to 50.00
	CALLAS	6.00 to 10.00	...... to 8.00	...... to 10.00	8.00 to 10.00	10.00 to 12.00
	DAFFODILS	. ... to	...... to	...... to	...... to	. ... to ......
	DAISIES	.50 to 1.50	...... to	...... to .50	..... to .50	.50 to .75
	GALAX LEAVES	..... to	..... to .15	...... to .15	..... to .20	...... to .10
	GLADIOLUS	25.00 to 40.00	...... to	...... to 5.00	...... to 4.00	...... to 4.00
	HYACINTHS	...... to	...... to	...... to	..... to	...... to ......
	LILIES	6.00 to 10.00	...... to	...... to 10.00	8.00 to 12.50	8.00 to 10.00
	LILY OF THE VALLEY	3.00 to 4.00	...... to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	.... to	...... to	...... to	...... to	..... to 1.00
	" Fancy	...... to	...... to	...... to	...... to	...... to 2.00
	NARCISSUS	.... to	...... to	...... to	...... to	..... to ......
	PANSIES	.75 to 1.00	...... to	...... to	...... to 1.00	..... to ......
	SMILAX	12.00 to 15.00	...... to 15.00	...... to 15.00	...... to 20.00	..... to 15.00
	STEVIA	...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS	1.00 to 1.50	.50 to .75	.25 to .50	..... to .50	.35 to .75
	TULIPS	...... to	...... to	...... to	...... to	. . to ......
	VIOLETS	..... to	...... to	...... to	..... to	..... to ......

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Wholesale Grower and Shipper of
Cut Flowers
51 Wabash Ave. Room 221, Chicago
Telephone Central 3598. All telegraph and telephone orders given prompt attention.

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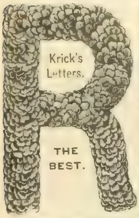
Use W. C. Krick's Florists' Immortelle Letters, etc.

Highest Award Wherever Exhibited.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THE BEST.

These letters and designs are made of the best Immortelles, wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in market.

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STANDARD SIZE

Quality—No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

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Best Pot in the Market.

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Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2 in. pots in crate,	$4.88	120	pots in crate,	$4.20
			60	8 " "	3.00
1500	2¼ " "	5.25		HAND MADE.	
1500	2½ " "	6.00	48	9 in. pots in crate,	$3.60
1000	3 " "	5 00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3.60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4.51	12	14 " "	4.80
144	6 " "	3.16	6	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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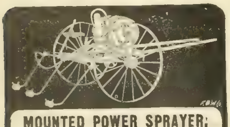

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MADE BY
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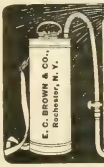
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GREENHOUSE FUMIGATING POWDER

is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:

1 lb. Tin Can ...	**$0.25**	25 lb. Sealed Box	**$4.50**
5 " " ...	**1.00**	100 " " "	**16.50**

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.

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10,000, $1.50; 50,000, $6.25.

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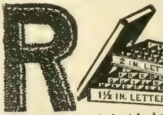
Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

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Fastener with each letter or word.

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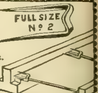

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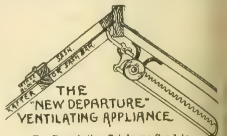
SASH.
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THE "NEW DEPARTURE" VENTILATING APPLIANCE

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MATERIAL FURNISHED
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MEN TO SUPERINTEND
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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

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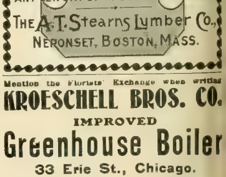
IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front sides and back). Write for information.

HOT BED SASH

Now Ready.

DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft. - - 3 rows 10-inch glass
3 ft. 3 in. x 6 ft. 4 " 8 "
4 ft. x 6 ft. - - 5 " 8 "

Clear Cypress, 1¾ inch thick, without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

WRITE FOR CIRCULARS, PLANS AND ESTIMATES.

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Roller bearing, self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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Mention the Florists' Exchange when writing.

Separating Greenhouse Pipes.

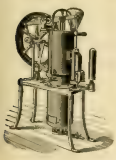
This is no soft snap for the man who has such a job in hand. It would be well to break the pipe to separate it from its position in the greenhouse. Then, by placing one of the hubs or joints over a trestle, barrel, or any other article that will bear the weight, the pipes can be worked up and down, the same as joints of stovepipe, until they come apart. The work may be made somewhat easier by the application of kerosene to the various joints, but the task is one of labor, and if the man who is employed upon it should claim that it is a labor of love I for one would be doubtful as to his sincerity. Patience, muscle, and time are the requirements. Possibly tapping the hub occasionally with a hammer might also prove of benefit.—The Metal Worker.

Woodhaven, N. Y.

The florists and gardeners are doing prosperous business here. G. F. Neipp recently bought five acres of land and has built new greenhouses. Henry Reimels, market gardener, has this Spring built more houses, and will start a business in cut flowers. John Reimels has also built new houses. Ryder commenced business two years ago and is prospering. J. B. Hopkins started a florist business last year and reports good results. P. Wenk has put in a new telephone. Engren built three houses two years ago, and has put up more this year. Laney & Son have succeeded to the Woodhaven Floral Co., who went out of business some time ago. Frank Grimbach has enlarged his greenhouse capacity, and reports a good business. Otto, his brother, who was employed by Grosjean, has started in business for himself. Greenroth & Donnelly bought a farm at Woodhaven and have built a range of houses to grow cut flowers. Beaulieu is doing a good and increasing business. B.

Chester, Pa.

Arbitrators were chosen at Media last week to try the suit instituted by Edward N. Delahunt and Margaret L. Delahunt by their next friend, Mary G. Lenny, against the United Telephone Company. In this action the plaintiffs will endeavor to recover compensation for the death of their father, Thomas F. Delahunt, who was killed while using a telephone in his greenhouses on Edgmont avenue in the city of Chester.



WATER

RIDER AND ERICSSON

Hot Air Pumping Engines

If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.

RIDER-ERICSSON ENGINE CO.,

35 Warren Street, New York
239 Franklin Street, Boston
692 Craig Street, Montreal, P. Q.
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GULF CYPRESS
Greenhouse Material

CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

S. JACOBS & SONS, Manufacturers

1365 to 1373 Flushing Ave., Brooklyn, N.Y.

We Furnish Everything for Building.

Greenhouse GLASS

AT WHOLESALE.

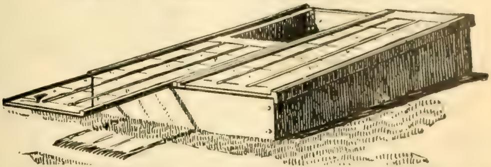
GET OUR PRICES BEFORE ORDERING.

New Twin Section Boiler.
SEND 4c. FOR CATALOGUE.

CYPRESS HOTBED SASH and FRAMES

Adapted for Growing Vegetables, Violets, Etc.

"THE BEST IS THE CHEAPEST." - SUPERIOR IN EVERY RESPECT.



FREIGHT ALLOWANCE covers freight to most Eastern and Middle States.

Estimates furnished for **CYPRESS GREENHOUSE MATERIAL.**

☞ We make Special **GREENHOUSE PUTTY.**

Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue mailed from our New York Office on receipt of five cents postage for each

LORD & BURNHAM CO. New York Office, St. James Bldg., Broadway & 26th St.
General Office & Works, Irvington-on-the-Hudson, N. Y.

Mention the Florists' Exchange when writing.

GLASS For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

BENT GLASS

VANHORNE, GRIFFEN & CO.,
443-449 Greenwich St.
40-48 Vestry St. NEW YORK.

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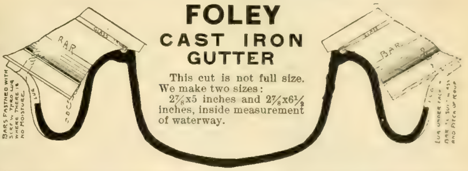
FOLEY MFG. CO.

471 West 22d St., CHICAGO, ILLS.

GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.



FOLEY CAST IRON GUTTER

This cut is not full size. We make two sizes: 2⅞x5 inches and 2⅞x6½ inches, inside measurement of waterway.

☞ No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

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SHORT-ROOF GREENHOUSES. Patented.

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation. Perfect Guttering.

NOTE.—The V Gutter, as well as the other parts of the houses, peculiar to this construction, are fully covered by Letters Patent.

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A. DIETSCH & CO., Patentees

Manufacturers of California Red Cedar and Louisiana Cypress Greenhouse Material.

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The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

Lockport, New York.
32 Church Street, Toronto, Can.

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H. Bayersdorfer & Co.

FLORISTS' SUPPLIES

Largest Stock in the Country

Send for Illustrated Catalogue.

50, 52, 54, 56 No. Fourth Street
PHILADELPHIA

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GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

N. COWEN'S SON,
392-94 W. BROADWAY, NEW YORK.

Mention the Florists' Exchange when writing.

Special Trade List.

	In. pots	doz.	100
Ageratum, variegated	2½	$0.50	$3.00
Anthericum variegatum	3	.75	5.00
Abutilon Savitzii	2	.50	3.00
Bouvardias, white, scarlet and pink	2½	.50	3.00
Cannas, Queen Charlotte, Florence Vaughan, Mme Crozy, Egandale	3	.60	4.00
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Dracæna Indivisa	3	.75	5.00
Echeveria secunda glauca			4.00
Echeveria glauca, strong plants	4	1.00	
Golden Feather, $15.00 per 1000	2		2.00
Hope Vines,	4	1.00	
Hydrangea, Thos. Hogg	2	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10.00
Periwinkle, variegated	4	1.50	10.00
Passiflora cerulea	3	.75	5.00
Tropæolum, double dwarf	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
Violets, Princess of Wales and La France		.50	3.00

C. Eisele, 11th and Jefferson Streets, **Phila., Pa.**

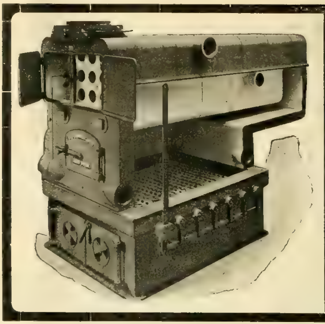
MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

Mention the Florists' Exchange when writing.



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THE STANDARD FOR Greenhouse Heating.

EFFICIENT
ECONOMICAL
DURABLE

PERFECT SASH OPERATING APPARATUS.

Send four cents for our illustrated Catalogue on Greenhouse Construction; also our Heating Catalogue.

Plans and Estimates on application.

HITCHINGS & CO.
233 Mercer Street,
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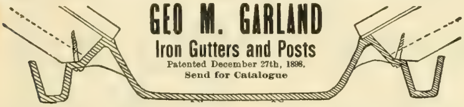

GEO M. GARLAND

Iron Gutters and Posts

Patented December 27th, 1898.
Send for Catalogue

GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO., CHICAGO, Selling Agents

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A. HERRMANN

MANUFACTURER OF

Floral Metal Designs

Importer and Dealer in FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE
Between 40th and 41st Streets

OFFICE AND WAREROOMS:
404, 406. 408, 410 412 East 34th St.

WRITE FOR NEW CATALOGUE.

NEW YORK

Mention the Florists' Exchange when writing.

CLEAR CYPRESS ABSOLUTELY FREE OF SAP

Our old customers can tell you about our Greenhouse Material. There are probably several in your vicinity.

Write us about it and we will tell you who are nearest to you.

We rest our reputation upon the work we have already done.

Ask the owner about the lasting quality of our Cypress.

Ask him if he wasn't perfectly satisfied with our material and our workmanship.

Our large number of satisfied customers is our strongest indorsement. We would like to add you to the number.

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

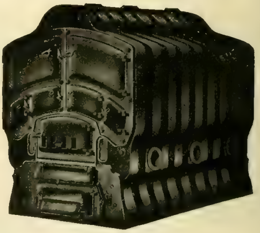
IT PAYS TO PAY FOR QUALITY

Mention the Florists' Exchange when writing.

THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



Quick Deliveries.

Ventilating Apparatus
Iron and Cypress Framed Greenhouses
Iron Frame Benches, Slate, Tile or Wood Tops
Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

Mention the Florists' Exchange when writing.

The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS.

DILLER, CASKEY & CO.,

Successors to JENNINGS BROS.,

S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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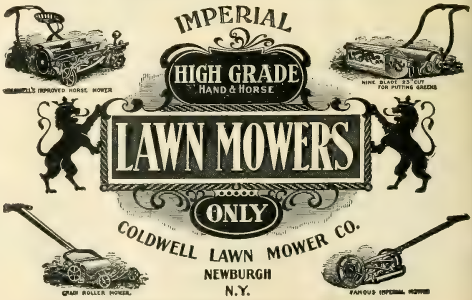

COLDWELL'S IMPROVED HORSE MOWER
NINE BLADE 23" CUT FOR PUTTING GREENS
GRAIN ROLLER MOWER.
FAMOUS IMPERIAL MOWER

IMPERIAL
HIGH GRADE
HAND & HORSE
LAWN MOWERS
ONLY

COLDWELL LAWN MOWER CO.
NEWBURGH
N.Y.

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Supplement with this Issue

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 24 NEW YORK, JUNE 13, 1903 One Dollar Per Year

CANNAS

Fine plants in pots, ready for immediate planting, extra choice sorts. Pierson's Premier, Sam Trelease, uray, Queen Charlotte, Italia, Florence Vaughan, Robert Christie, F. Neuvessel, Crimson Bedder, lphonse Bouvier, Secretaire Chabanne, Improved Pillar of Fire, Pres. Max Michelli, Duke of Marlborough, lle. Berat, Mme. Crozy, etc., $6.00 per 100.

New, extra choice, mammoth-flowered. Pennsylvania scarlet, Kate Gray (orange), Pandora a beauti- ul bronze-leaved Italian sort), $10.00 per 100

Buttercup, new dwarf golden yellow Canna, extra choice, $12.00 per 100.

HYDRANGEAS, fine, large specimens in tubs and half-barrels, for lawn decoration. These plants will be in flower during July and August, and are just beginning to come into bud.

Fine plants in tubs that will throw about 15 blooms, $2.00 each.

Larger specimens in half barrels that will throw 25 or more blooms, $5.00 each.

NEPHROLEPIS PIERSONI (The Pierson Fern). See special advertisement in this issue, page 671.

ASPIDISTRA VARIEGATA, fine plants, $1 50 each.

BAY TREES, Standards, with heads 3½ to 4 ft. in diameter, $15.00 to $20 00 each.

Standards, extra large and very fine specimens, $40.00 each.

CALADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference, $3.00 per 100.

DRACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12 cts. each; extra strong stock, 7 in. pots, 2½ ft. high, 75 cts each; 3 ft. high, $1.00 each.

DRACÆNA MASSANGEANA, 7 in. pots, finely colored, $1.50 each.

PANDANUS VEITCHII, 6 in pots, finely colored, $1.00 each.

PANDANUS UTILIS, 6 in. pots, $1.00 each.

MUSA ENSETE (Abyssinian Banana), fine large specimens, $2.00 each.

RUBBER PLANT (Ficus Elastica). Fine for piazzas, hotel decoration, etc. Large, perfect leaves in best possible condition. 6 in. pots, 2 ft. high, 50 cts. each; 2½ ft. high, 75 cts. each; 3 ft. high, $1.00 each; extra large specimens, three plants in a pot, bushy, in perfect condition, with leaves right to the pot, 5 ft. high, $5.00 each.

KENTIAS, in fine shape, grown cool and very hardy, extra value, $1.00, $2.00, $3 00 and $4.00 ea.

LATANIAS, large sized plants, fine for decorating, $2.00 $3.00 and $4 00 each.

BOXWOOD, pyramidal and untrimmed, 3 ft. high, $2.00 each; 3½ to 4 ft high, $3.00 each.

VINCAS, 3½ in. pots, with fine tops, $10.00 per 100, 2¼ in. pots, very strong stock, nice tops, $4.00 per 100.

ENGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long, $12.00 per 100. 2¼ in. pots, very nice, 12 to 18 in. long, $6 00 per 100.

DAHLIAS, a fine assortment of Cactus, decorative and show varieties, all named, $6.00 per 100.

ALYSSUM, Tom Thumb and Double, $3 00 per 100.

SHASTA DAISY, strong plants from frames, $8.00 per 100.

FUCHSIAS, fine assortment, named varieties, 2¼ in. pots, $3.00 per 100.

ABUTILON Savitzii, Duc de Malakoff Variegated and Eclipse, 2¼ in. pots, $4.00 per 100.

LEMON VERBENAS, 2¼ in. pots, $4 00 per 100.

IVY-LEAVED GERANIUMS, extra strong, 4 in. pots, $8 00 per 100.

HARDY PHLOX, extra fine assortment, named varieties, $6.00 per 100.

TUBEROSES, $1.00 per 100.

MADEIRA VINE, $2.00 per 100.

LOBELIA Gracilis and Compacta, $3.00 per 100.

AMERICAN BEAUTY ROSES, strong plants, 2¼ in. pots, $7.50 per 100; $60.00 per 1000.

SMILAX, strong plants, 3½ in. pots, $6.00 per 100.

WICHURAIANA or EVERGREEN ROSES, fine named varieties, extra strong stock, 3½ in. pots, $12.00 per 100.

FERN BALLS, large size, in fine shape, $3.00 per doz.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists Exchange when writing.

ROSE PLANTS

Large, Clean, Healthy Own Root Stock

BRIDE	2¼ Inch	$4.00 per 100 $35.00 per 1000
BRIDESMAID	3½ Inch	$7.00 per 100 $60.00 per 1000

Now is the time to order before stock is all sold

W. H. ELLIOTT, Brighton, Mass.

BARGAINS

TUBEROSE, THE PEARL

CHEAP TO CLOSE OUT 4 In. Bulbs. All will flower. 30c. per 100; $2.50 per 1000.

PALM SEEDS That Will Grow

LATANIA BORBONICA	$2.00 per 1000;	$9.00 per case of 5,000 seeds.
PANDANUS UTILIS	1 00 " 100;	7 50 " 1000; $35.00 per 5000
PHŒNIX RECLINATA	3.00 " 1000;	13 00 " 5000
MUSA ENSETE	1.00 " 100.	7.50 " 1000

DAHLIAS—Large Field Roots

	100	1000
Named Varieties, Fancy, Snow, Cactus and Pompon	$6.00	$50.00
Mixed, All Colors	4.00	35.00
Separate Colors, pink, red, yellow and white	4 50	40.00

FERN BALLS—Cheap to Close

5 to 7 in. in fine, fresh condition..........$1.50 per doz.; $12.00 per 100

RUSTIC HANGING BASKETS

Size 8 in.	Each, $0.50;	Dozen, $5.00
" 9 "	" .60	" 6.50
" 10 "	" .70	" 8.00
Size 11 in	Each, $0.80;	Dozen, $9.00
" 12 "	" 1.00	" 11.00
" 13 "	" 1.10	" 12.00
Size 14 in.	Each, $1.30;	Dozen, $14.00

See our SPECIAL ADVERTISEMENT of CANNAS and CALADIUMS on page 667 of this issue.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET TELEPHONE 4390 SPRING **New York City**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

PALMS We Have Many Thousands of KENTIAS, ARAUCARIAS, FICUS and BAY TREES.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock, and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch	No. of leaves	Height, ins.	Per doz.	Per 100	Per 1000
2½	3-4	8	$1 50	$12 00	$100 00
3	4-5	10-12	3 00	15 00	140 00
4	5-6	15-18	4 00	25 00	225 00
5	5-6	18-22	6 50	50 00	
5½	5-6	22-24	9 00	75 00	
			Each	Per doz.	
6	6	24-26	$1 00	$10 00	
6	6-7	26-28	1 25	15 00	
6	6-7	28-30	1 75	21 00	
7	6-7	30-33	2 50	25 00	
7	6-7	33-36	3 00	36 00	
7	7-8	36-40	4 00	48 00	
8	7-8	40-45	5 00	60 00	
8	7-8	45-50	6 50	75 00	
8	7-8	50 55	7 50	85 00	
9	7-9	55-60	10 00	115 00	
10	7-9	60-65	12 50	145 00	
12 tubs		65-70	15 00		

12 Made-up plants, 65-70, $17.50 each.
14 " " 7-8 feet, $25.00 to $35.00 each.

KENTIA FORSTERIANA.

Inch.	No. of leaves	Height	Per doz.	Per 100	Per 1000
3	3-4	12 in.	$2 00	$15 00	$140 00
4	4-5	15	4 00	25 00	225 00
5	5	15-18	6 00	50 00	
5½	5	18-20	7 50	60 00	
6	5	20 24	9 00	75 00	

Inch	No. of leaves	Height	Each	Per doz.
6	5-6	24-28	$1 00	$10 00
6	5-6	28-30	1 25	12 00
6	6	30-32	1 50	15 00
6	6-7	32-36	2 00	20 00
7	6-7	36-42	3 00	30 00
8	6-7	48-52	4 00	50 00
9	6-7	52-60	5 60	
9	6-7	60-65	7 50	
10	6-7	65-75	12 50	
12 tubs	7-8	7 8 ft.	18 00	

12 " made up 7-9, $20.00 to $30.00 each.

1500 BAY TREES IN ALL SIZES.

ASK FOR PRICES.

PHŒNIX CANARIENSIS, We have a very fine lot of these, fine for decorating or retail sales, from $5.00 to $20.00 each.

ARAUCARIA EXCELSA.	Each
5 in. pots, 10-12 ins. high	$0 75
5 " " 12-14 " "	1 00
6 " " 14-16 " "	1 25

ARAUCARIA EXCELSA GLAUCA.	Each
6 in. pots, 10 ins. high	$0 75
Specimen plants	$2.00 to $3.00

BOSTON FERNS.

These are now in benches, good for 5-6 in. pots, $25.00 per 100.

Ready for 3-4 in. pots, $10.00 per 100.

FICUS (Rubber Plants), top cuttings, $15.00 per 100, $135.00 per 1000.

FUNKIA VARIEGATA, in pots, $5.00 per 100; $40.00 per 1000.

ENGLISH IVY, 4 in. pots, $15.00 per 100.

AMPELOPSIS VEITCHII, $10.00 per 100.

SPECIMEN ENGLISH IVY, 6-7 ft., $1.00 each.

BOXWOOD, in Standards, Pyramids, Globe and Clipped forms; all sizes. Ask for Prices.

GARDENIA VEITCHII, 6 in. pots, per doz. $6.00; 7 in. pots, per doz., $12 00.

ROSES, Agrippina and Hermosa, 4 in. pots, per 100, $12.00.

HARDY JAPAN LILIES.

	100	1000
AURATUM, 8-9 in.	$5 00	$45 00
" 9-11 in	7 50	65 00
RUBRUM, or ROSEUM, 8-9 in	5 50	45 00
RUBRUM or ROSEUM, 9-11 in	$7 00	$65 00
ALBUM, 8-9 in.	5 50	50 00
" 9-11 in.	7 00	60 00

We are pleased at all times to receive visitors at our Nurseries. We have 60 acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, - Rutherford, N. J.

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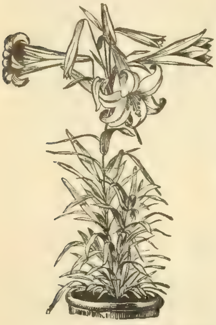

St. Davids Island

HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

Mention the Florists' Exchange when writing.

RUPP XXX SEEDS.

Primrose Seed, **Improved Chinese** Finest grown, large flowering fringed, single and double, fifteen varieties mixed, 500 seeds, $1.00; half pkt., 50 cts. Have also the varieties separate.

PANSY FINEST GIANTS

The best large flowering varieties, critically selected. Mixed, 5000 seeds, $1.00; half pkt., 50 cts.; highly praised by our many florist customers.

DAISY. Finest Double Giant, pure white and rose, mixed or separate, 1000 seeds, 25c.
CALCEOLARIA. Finest dwarf large flowering tigered and spotted, 1000 seeds, 50 cts.
PRIMULA OBCONICA Grandiflora. Finest large flowering to be had. 1000 seeds, 50c.
CINERARIA. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

Cash. A pkt. of the new ever-blooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**

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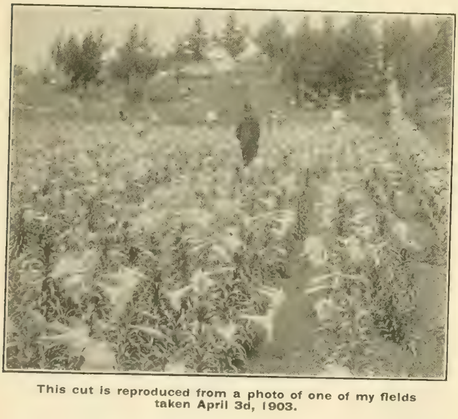


This cut is reproduced from a photo of one of my fields taken April 3d, 1903.

As I am a Grower and not a dealer in

LILIUM HARRISII BULBS

I am prepared to guarantee that the stock is free from disease and carefully graded.

ORDERS SOLICITED.

CHAS. A. V. FRITH, Bermuda

Mention the Florists' Exchange when writing

CYCAS STEMS

SIZES	Price per		
2 to 3 lbs.	Price per	10 lbs.,	$1.0
4 to 5 lbs.	" "	50 lbs.,	4.0
6 to 7 lbs.	" "	100 lbs.,	7.5
	" "	1000 lbs.,	65.0

STUMPP & WALTER CO., 50 BARCLAY ST. NEW YORK.

BRANCH STORE, 404 EAST 34TH ST.

BAY TREES

Standard, extra fine, 2 ft. diam., $10.00 per pair.
Pyramid, " " 5 " high, 10.00 per pair.

LATANIA BORBONICA, extra heavy, 5 ft. high	$3.00	each.
" " fine large, 3 " "	1.25	"
PHŒNIX CANARIENSIS, extra heavy, 5 " "	3.00	"
" " fine large, 3 " "	1.75	"
KENTIA FORSTERIANA, extra fine, 5½-6 ft. high	2.75	"
" " fine large, 5 ft. high	2.00	"

CYCAS REVOLUTA STEMS, from ½ lb. to 6 lbs., per 100 lbs., $7.50.
FERNBALLS, dormant, 7 x 9, $22.50.

F. W. O. SCHMITZ, Prince Bay, N.Y.

Allen's Defiance Mignonette.

SEED GROWN INSIDE.

Selected Stock. *Trade Packet, $1.00.*

JOEL G. HAYDEN, Floral Park, N. Y.

FORCING BULBS

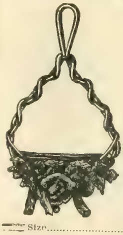
Our arrangement for high grade bulbs of French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all Dutch Hyacinths, Tulips, Narcissus and Spiraea are unexcelled.

Bulbs secured from us will be subject to careful inspection and approval on arrival, and if in any way unsatisfactory will be made good at once.

Write for prices before closing any forcing stock order.

VAUGHAN'S SEED STORE

CHICAGO: 84-86 RANDOLPH ST.
NEW YORK: 14 BARCLAY ST.



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122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$ 1 10	$ 1 25	$ 1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**

NOVELTIES CONSTANTLY ON HAND.

Mention the Florists' Exchange when writing.

TUBEROSES DWARF EXCELSIOR DOUBLE PEARL

You still have 3 weeks to plant. This is your opportunity to buy.
o induce QUICK SALE we make this EXCEPTIONAL OFFER to clear.

	Per 100	Per 1000	Regular Price
ammoth Bulbs, 4-6 inches and over	$0.60	$4.50	$7 00
econd Size, splendid value, 3-4 inches and over	.25	2.25	4.00
LADIOLUS, J. & S. Special Mixed, quality unsurpassed	.60	5.00	7.50

OHNSON & STOKES, 217 and 219 Market St. **PHILADELPHIA, Pa.**

Mention the Florists' Exchange when writing.

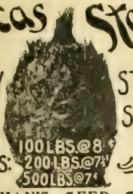
GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

RTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone **9x.** **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.



Cycas Stems

NEW STOCK
ALL SIZES
rices:

VAUGHAN'S SEED STORE,
4 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

Callas—Freesias

Ready for delivery during July and August. Will book your order now at the following prices:

CALLAS

1 to 1½ in. in diameter at $3.00 per 100.
1½ to 2 " " 5.50 "
2 to 2½ " " 7.50 "

FREESIAS

⅜ in. in diameter at $3.00 per 1000.
½ " " 4.25 "
⅝ " " 7.50 "

PACKING FREE. We also offer the following

PALM SEEDS

Phœnix Canariensis at $1 00 per 1000.
Phœnix Reclinata at $4.00 per 1000.
Washingtonia Filifera at 75c. per pound (in hull).
Washingtonia Robusta at $1.00 per pound (in hull).

Cash with order from unknown parties,

GERMAIN SEED & PLANT CO.,
LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii
and
Lilium Longiflorum
and all other bulbs. Also
Cycas Revoluta Stems.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

DREER'S AQUATIC PLANTS

Hardy and Tender Nymphæas, Nelumbiums in Variety, Victorias, Etc.

We are Headquarters for all kinds of Aquatic Plants.

NOW IS THE TIME TO PLANT.

Write us for information if you are uncertain as to what or how to plant.

HENRY A. DREER
PHILADELPHIA, PA.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.
NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

SEASONABLE SEEDS

	100	1000
Asparagus Sprengeri	.20	$1.00
" **decumbens** (novelty)	.85	7.50
Phœnix reclinata (true)	.40	3.00
" **canariensis** (true)	.30	2.50
" **rupicola**	.75	7.00
Areca Lutescens	.75	6.00
Pandanus utilis	.65	6 00
Primula sinensis fimb., in pure white, rose, crimson, blue, white with yellow eye	.25	1.75
Primula mixed	.20	1.50

Cineraria hybrida grandi., and maxima or dwarf. Pkt 25 cts., 5 pkts., $1.00.
Calceolaria, finest tigered and spotted, large flowers, 500 seeds, 25 cts.

H. H. BERGER & CO. 47 Barclay St., New York.

MUSHROOM SPAWN

First Quality
Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS
ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

CANNAS and GERANIUMS

Out of 4 in. pots, very fine, $6.00 per 100.

For varieties, see issue of May 23. **SALVIAS,** strong, $3.00 per 100.

Golden Cut-Leaf **PYRETHRUM,** $2.50 per 100.

THE ELIZABETH NURSERY COMPANY, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

BIG BARGAIN

FERN BALLS

TO CLOSE OUT.

Extra large, 7 x 9 size,
Doz., $2.25; 25 for $4.00;
50 for $7.75; 100 for $15 00.

SPEAK QUICK.

HENRY F. MICHELL
1018 Market Street,
PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

LILIUM · HARRISII and LONGIFLORUM

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**
12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June

Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam.	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.
VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

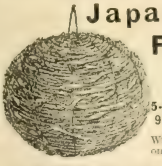
Primrose

CHINESE FRINGED

		Trade pkt.
Kermesina Splendens		50 cts.
White, Yellow Eye		50 cts.
Bright Pink		50 cts.
Brilliant Red		50 cts.
Rosy Morn		50 cts.
Blue		50 cts.
Flesh Color		50 cts.
Mixture of Above		50 cts.
Fern Leaved Mixed		50 cts.
Obconica Grandiflora,	white	50 cts.
" "	rosy chamoise	50 cts.
" "	bright rose	50 cts.
" "	fringed mixed	50 cts.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.



Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

Mention the Florists' Exchange when writing.

PANSY, MME. PERRET

the Gold Medal pansy, Trimardeau, giant yellow and fine mixed, Mlle. Cecile Davy and Marguerite, Parisian Beaconsfield, Falaise. Special mixture for florists. See the Exchange, page 581, last issue. Send for testimonials and prices.

Special.—For short time only. Any one ordering a copy of Ward's "The American Carnation," at $3.50, through me, will receive ¼ oz. of Mme. Perret Pansy Seed value $1.25 free.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP
SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

MILWAUKEE, WIS.—Ernest Reel, who has been manager of S. Courteen's seed house for the last five years, will enter into the wholesale seed business with Frank Hase, under the firm name of the Wisconsin Seed Company. An office and warehouse will be rented on West Water street.

CLARINDA, IA.—A. A. Perry Seed Company reports that the Spring so far has been very favorable until last week, when excessive rains have caused the ground to be washed out in many places, which will retard the growth to some extent, and make lots of trouble with weeds.

ROCHESTER, N. Y.—Since March the weather has been extremely dry, which has hindered planting to a very marked extent. In our own business our planting is limited to quite an extensive trial ground for testing flower seeds. Up to the present time, May 28, we have done very little planting.

MANDEVILLE & KING CO.

OMAHA, NEB.—The planting of seed crops in this section (June 2) is very backward, as it has rained for twenty-one days during the month of May. The fields are now in such condition that the farmers cannot get into them, and though it should cease raining at this moment it would take a week or ten days for them to dry up so that planting could commence again.

THE NEBRASKA SEED CO.

CELERY SEED.—Some experiments recently reported by the Maryland Experiment Station would seem to indicate that one of the causes of pithiness in celery is insufficient attention to the selection of seed. The station reports that in 1900 40 per cent. of the plants grown in an experimental plat at the station from American-grown seed was pithy, while not a single stalk grown from French-grown seed in another similar plat was pithy. The variety used in both cases was Golden Self-Blanching. The experiment was continued in 1901 and 1902 with seed obtained from several different American seed firms with a somewhat similar result. The station believes that "the superiority of the European-grown seed is due altogether to careful selection and the subsequent attention paid to the plant to keep it up to the standard." It is added: "There can be no doubt that if the American celery-seed growers were as careful in their work as the French growers are, their seed would in all probability be as good. Cheap seed is dear at any price."

400,000 California Privet and more than **400 Varieties of HARDY ORNAMENTAL STOCK.**
Also for immediate delivery, **10,000 PRIVET**, 18 to 24 inches, $15.00 per 1000.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

OHIO CORN CROP.—Bulletin 140 of the Ohio Experiment Station deals with the corn crop of that State, selection of seed, varieties, cultivation, and so forth. The area devoted to this crop in Ohio amounts to over 3,200,000 acres, with an average yield of 33 bushels per acre, and it is gradually increasing. Corn planted with one grain every 12 inches has given a larger yield and a larger per cent. of sound ears than when planted two grains every 24 inches, three grains every 36, or four grains every 48 inches, the rows being 42 inches apart in each instance. Nine seasons' testing of deep as compared with shallow cultivation has shown an increase in yield in favor of shallow each season, with an average increase of four bushels per acre for the entire period.

As to varieties of corn adapted to different parts of Ohio, the author of the bulletin says:

"I realize the fact that in naming varieties for the different parts of the State it is not a matter of latitude solely. The warm, black soil of northwestern Ohio will mature a variety that will prove a disappointment in the same latitude in northeastern Ohio. However, it is more convenient to divide the State in this way, and so I say that for south of the 40th parallel (Columbus is on this parallel) Leaming and Reid's yellow dent are suggested. Between the 40th and 41st Leaming and Clarage. North of the 41st, Clarage and White Cap yellow dent, with possibly early Huron dent for the extreme northeast corner of the State. Where the White Cap yellow dent will mature—and I hardly think it will fail anywhere in the State—it will prove superior to the early Huron dent. I am suggesting but few varieties, and these of well known sorts, for the reason that I am convinced that it is not so much new varieties that the corn grower of Ohio needs as more careful selection and breeding up of old and well tried varieties."

Statistics of the Sweet Pea.

I have lately been corresponding with seedsmen and growers of sweet peas and I estimate that the crop of sweet pea seed in this country amounts to 500 tons annually. One firm, the C. C. Morse Company, of Santa Clara, Cal., has about 300 acres devoted to this purpose, and a recent crop amounted to more than 100 tons.

It is well known that the great bulk of this seed is distributed to the consumers in small quantities, principally through the mails, by the various seedsmen. It has, therefore, to be shipped across the continent, and the railroads thereby get the benefit of the transportation charges. By thousands of nimble fingers this enormous quantity of seed is placed in small packets and sent through the mails to the multitude of lovers of the sweet pea throughout the land. The cost of postage is eight cents per pound, or $160 per ton. It will readily be seen that the government revenues are thereby increased by $80,000.—E. A. Higgins, in Country Life in America.

The Floods in Kansas.

Editor Florists' Exchange:

Kansas City has gotten through the worst catastrophe that has ever happened here. The water is down about 2 feet to-day, June 4; the gas is turned on again and a few street cars are running. Our entire bottoms are still covered by about 4 to 20 feet of water. But our old town is arising to the emergency. We have raised about $45,000 right here in the city to take care of the flood sufferers, and the fund is still growing. It is needless to say to you that every good citizen is proud of his town, and we expect to be able to take care of the people without any outside aid. Business has been paralyzed for a few days, but is beginning to start up again now.

HARNDEN SEED CO.

Outlook of the Japan Lily Crop.

The very unfavorable weather of last year has not been without its influence on this year's crop. Florists will have found out, to their regret, that last year's bulbs were badly affected with some kind of disease, and the seed bulbs show now, as the new growth is well started, that they also suffered severely.

The farmers in some districts are getting disgusted with the very uncertain crop and have discontinued planting L. longiflorum. In other districts, from 25 to 75 per cent of the plants are stunted, the seed bulbs rotten, and practically no roots have been started above the bulbs. The danger of getting these bad bulbs mixed with the new crop is therefore rather remote, as they will probably die outright as soon as hot weather sets in.

The remaining average of about 40 and 50 per cent of good plants are looking well, and with fair weather should produce good quality of bulbs. It is very evident, that while last year the good bulbs were also rather scarce, with a superabundance of bad stock which got mixed with them, this year will see a very short crop, but, unless the weather turns against them, of fair average quality. At any rate, the exporters are looking sharply after the fields, and trying to get all the rubbish thrown out, so that the danger of bringing refuse upon the market is not so great.

The consequence of this state of affairs will be, that quality will have to be paid for, and growers would rather take the high-priced grades than the cheap mixed or indifferent quality that might be offered them.

Observant cultivators will have found that the stunted growth of many of last year's bulbs is not caused by the fungoid disease from which the Bermuda lilies have been suffering for some years. In fact the bulbs must have suffered by the cold and wet season and probably were badly matured, although the tops became yellow and died down, as in fully developed bulbs.

The season this year is again backward and plenty of time should be given to the bulbs to mature before digging.

Lilium speciosum are still more scarce than L. longiflorum. The only bulbs, in fact, that seem to be in normal supply are L. auratum.

Prices on the Lilium longiflorum will be about 10 per cent higher than last year, with the usual advance of about 10 to 15 per cent on L. multiflorum.

Lilium giganteum, which look the most even lot of all, will be comparatively higher in price this year, probably 30 per cent higher than the longiflorum lilies. Of all longiflorum grades the 9-10 bulbs will be dearest.

Lilium speciosum rubrum will be about same as last season, but album will advance 10 to 20 per cent.

On L. auratum, small sizes, there may be a little reduction, but large grades will be very scarce and high.

Fancy bulbs, such as L. macranthum are looking well, and L. tigrinum, though the price is steady, can be had in goodly quantity—they are cultivated as food stuff.

There is a scarcity in some varieties of Japan maples. Rhapis, good pot-established plants, are also very short.

YOKO.

European Notes.

Very little can be added to the statements of the last two weeks. Trade continues to be moderately brisk, which is very useful to the seedsman. Ideal Summer weather is prevailing and hastening along the backward plants of all sorts, strengthening the weaker ones and generally putting a better face on matters horticultural.

The damage done by the frosts in April seems to have principally affected the fruit crops—cherries, plums, pears and small fruits suffering rather badly. Apples, being later, have escaped almost entirely. One can scarcely credit that the swedes, cabbages, etc., which lay almost on the ground in their humility to Jack Frost, are the same which to-day promise to yield quite large crops.

EUROPEAN SEEDS.

W. & T. SMITH CO. GENEVA NEW YORK
Field Grown ROSES and CLEMATIS, ORNAMENTAL TREES
SHRUBS and VINES. **FRUIT TREES.**
Wholesale Trade Catalogue on application.

French Roman Hyacinths.

A meeting of the Syndicate was held on May 26 last, when the article in the Florists' Exchange on the subject of the French bulb situation was read, in which it was stated that the price of 100 to 125 francs for French Roman hyacinths was too high for the interests of American importers. The figure named is erroneous. The selling price is 80 francs and the Syndicate will send a correct report to the American papers.

The crop will fall very short of that of 1902, and the growers will maintain the prices set by the Syndicate.

The next meeting of the growers occurs June 13.

J. R.

CATALOGUES RECEIVED.

J. M. THORBURN & CO., New York.—Wholesale Trade Price List of Turnip, Radish, and Spinach Seed, etc.

HENRY KRODER CO., Passaic, N. J.—Illustrated Catalogue of "You-Ree-Ka" Ventilating Apparatus.

DE GRAFF BROTHERS, LTD., Leiden, Holland.—Wholesale Catalogue of Bulbs and Plants.

J. BOLGIANO & SON, Baltimore, Md.—Illustrated Catalogue of Garden, Field, and Flower Seeds, Roots, etc. This firm has been established for 85 years.

World's Fair Notes.

A feature of Washington's State horticultural exhibit at the World's Fair will be a display of celery four feet high and rhubarb the same height and five inches thick.

The World's Fair rose garden, which when it covered four acres was the largest in the world, has now been increased to six acres. The site has proven all that was expected, and the young rose bushes are making splendid progress.

A strawberry farm, comprising more than 400 varieties growing on a plot of ground an acre in extent, is a proposed exhibit for the Horticulture Department. Prof. John T. Stinson, Superintendent of Pomology, has charge of the collection of the plants. It is also proposed to have duplicates of the plants growing in pots in the Horticulture Palace, bearing ripe fruit when the Exposition doors are opened.

A Foreign View of "Anna Foster" Fern.

Mr. L. H. Foster, of Dorchester, Mass., U. S. A., is offering a very pretty novelty in Nephrolepis "Anna Foster." Judging from an illustration before us, other species of nephrolepis are "not in it" in point of beauty when compared with it. It appears to us to be a novelty well worth introducing to India.—Indian Planting and Gardening.

PANSY. New crop. Bugnot, Cassier, Vantier's Mammoth or Mme. Perret, each strain, oz $5.00, tr. pkt. 25c.; mixed, oz. $4.00, tr. pkt. 25c. Calceolaria, finest tigered or spotted, tr. pkt., 25c. Primula Chinensis fimb., all colors, separate or mixed, tr. pkt. 25c. Cineraria, hyb. gig., dwarf or tall. Benary's Prize Strain, tr. pkt. 25c. Cash. **SHELLROAD GREENHOUSE SEED CO., Grange P. O., Baltimore, Md.**
Mention the Florists' Exchange when writing.

CALLA BULBS
August 1st delivery.
Extra choice large bulbs, $5.00 per 100. Express paid by us at above figures.
CALIFORNIA CARNATION CO.
P. O. Box 103. LOOMIS, CAL.
Mention the Florists' Exchange when writing.

Pansy Seed
New Crop Ready July 1st.
Peter Brown, Lancaster, Pa.
Mention the Florists' Exchange when writing.

5000 Whole Dahlia Roots
Best mixture of named Cactus and Show varieties, all colors, $2.00 per 100; $15.00 per 1000. Satisfaction guaranteed.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS
For Forcing.
We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).
Before placing your orders write to
W. MAUGER & SONS, Guernsey, England
Mention the Florists' Exchange when writing.

CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS
Special Prices on Application.
WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.
Mention the Florists' Exchange when writing

BURPEE'S SEEDS
PHILADELPHIA.
Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :
Mention the Florists' Exchange when writing

PANSY SEED
THE JENNINGS STRAIN
New Crop Seed Now Ready
Saved from finest stock. Finest mixed 1oz., $5.00; pkt. of 3000 seeds, $1.00; ½ pkt. 50 cts. Separate colors in blue, black red, white and yellow, 50 cts. per pkt.
Cash with order.
E. B. JENNINGS, Southport, Conn
Lock box 254. Grower of the Finest Pansies.
Mention the Florists' Exchange when writing

PANSY SEED
For Winter Blooming
GIANT VARIETIES.
White, Lord Beaconsfield,
Yellow, Emperor William,
Trade pkt., 50 cts.; oz., $2 00.
D. LANDRETH & SONS
Florists' Department,
1217 Market St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

Not the Cheapest but the Best
Persons wanting the genuine old-fashioned **Harrisii** or **Bermuda Easter Lily** (unmixed with Longiflorums or Hybrids) that can be forced by Christmas or before if required, can obtain thoroughly ripened Bulbs, August shipment. Write at once. Quantity limited.
R. H. JAMES,
Columbia and Longbird Farms,
ST. GEORGES, BERMUDA.
Cable Address: Florist, Bermuda.
Mention the Florists' Exchange when writing.

THE
LARGEST STOCK
OF SPECIMEN
HEMLOCK
AND
BOX-BUSH

OUR OWN GROWING. THEY LIFT WITH GOOD BALLS. CAN BE MOVED NOW. FOR PRICES STATE SIZE AND QUANTITY DESIRED.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa.
WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.
Vholesale rowers **TREES AND PLANTS** in full assortment Trade Catalogue Free.
Mention the Florists' Exchange when writing.

Holland Nursery Stock
Ask for Our Catalogue.
It Will Interest You.
ENDTZ, VAN NES & CO.,
BOSKOOP, HOLLAND.
Mention the Florists' Exchange when writing.

POTTED EGG PLANTS

Strong, from 2½ inch pots, 50c. per dozen; 2.50 per 100. Extra strong from flats, 50c. per lozen.; $1.50 per 100.

Extra strong **Peppers**, from flats, 25c. per oz., 75c. per 100. Largely Sweet Mountain and Ruby King.

All packed to carry safely by express.

Charles Black, Hightstown, N. J
Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.
Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.
Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.
Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100: $12.00 per 1000.
Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.
Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.
Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.
Mention the Florists' Exchange when writing.

NURSERYMEN

and others having good, clean, sharp photographs of subjects of interest to the trade, such as

Shade & Ornamental Trees,
Flowering Shrubs,
Evergreens,
Hedges, etc., etc.

are asked to kindly communicate with the publishers of the Florists' Exchange, 2 Duane St., New York City.

CELERY

Strong, stocky, transplanted plants, ready for field.
Golden Self-Blanching and **White Plume**, $2 50 per 1000; $2.00 per 1000 for 5000 or over.

FRANK SHEARER & SON
Market Gardeners, BINGHAMTON, N. Y.
Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. **Gouda** is our **railroad depot.**

Hardy, Fancy Ornamental Nursery Stock
J. BLAAUW & CO.
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain
Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES
South Braintree, Mass.
ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.
Field-grown only. Send for Catalogue.
Mention the Florists' Exchange when writing.

EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***
Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing.

LONG ISLAND GROWN
CABBAGE SEED
Ask for prices for 1903 crop; also on surplus stock 1902 crop.
B. E. COODALE, Grower,
Calverton, L. I., N. Y.
Mention the Florists' Exchange when writing.

THINGS YOU NEED!

	Per 100
10,000 Coreopsis clumps	$4 00
10,000 Helianthus Maximiliana, strong divisions	2 50
10,000 Achillea Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum Maximum, Triumph, strong divisions	6 00

Cash with order, please.

W. C. EISELE, West End, N. J.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.
Pot-Grown Plants for Forcing.
Rhododendrons, H. P. Roses, Etc.
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100,000 German Iris, Choice Named.
75,000 Japan Iris, Choice Named.
50,000 Paeonias, Finest varieties.

Varieties and prices upon application.

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Little Silver - - N. J.
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TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.
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P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.
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Sweet Potato Plants
LARGE STOCK
STOUT HEALTHY PLANTS

Big Stem Jersey, $1.50 per 1000.

Cedarville and Yellow Nansemond, $1.25 per 1000.

Early Red Nansemond and Southern Queen, $2.25 per 1000.

If different varieties are wanted, order them at 1000 rates. In lots of 5000 or over deduct 25 cents per 1000 from above prices. No order accepted for less than 1000 plants.

H. AUSTIN, Felton, Del.
Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head, Late Flat Dutch, Savoy, Rich Red and other vars., 25c. per 100, $1.00 per 1000.
LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.
TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars., 15c. per 100, $1.25 per 1000. Earliana and Ponderosa, 30c. per 100; $2.00 per 1000.
BEET Eclipse, Crosby's and Egyptian 20c. per 100; $1.25 per 1000.
PARSLEY 40c. per 100.
CELERY Golden Self Blanching. $1.00 per 1000.
EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.
PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. Cash With Order

R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN
Charles A. Ilgenfritz, Monroe, Mich., President
D. S. Lake, Shenandoah, Ia., Vice-President
George C. Seager, Rochester, N. Y., Secretary
C. L. Yates, Rochester, N. Y., Treasurer

EVERGREENS FOR THE NORTHWEST.—B. E. St. John, Fairmont, Minn., says: "I consider the best evergreens for the Northwest to be: First, blue spruce; second, Black Hills spruce; third, Douglas spruce, and fourth, white spruce. For a very hardy and rapid grower, valuable for windbreaks, the Scotch pine takes the lead. The red cedar makes the best windbreak, but is of slower growth. The Norway spruce is not adapted to our dry atmosphere, and the growing of this spruce for sale in the Northwest should be discontinued."

Damage to Kansas Nurseries by Floods.

The situation in Oakland is worse than was expected, says the Topeka Capital. The greatest amount of damage has been to the nurserymen. Oliver Brothers have about 130 acres of nursery stock under water. This is a complete loss, amounting to about $20,000. F. W. Watson, another nurseryman, is damaged to the amount of $15,000. E. L. Copeland is damaged to the amount of $15,000. There are a number of smaller nurserymen who are almost out of business. They are M. T. Kelsey, Roy Williams and Ira Orner.

Some Philadelphia Notes.

A very short trip to Philadelphia enabled the writer to make but a brief visit to a few friends in the neighborhood of his stopping place. Mr. John Westcott was seen on the afternoon of Decoration Day very busily engaged with the final rush work attendant on that holiday, and a run through the houses made it self-evident that the demands on the stock of Mr. Westcott's firm had been heavy. While Memorial Day is a banner one for the trade throughout a great section of the country, it is probable that in no city is it more fully observed than in that of Brotherly Love. Mr. Westcott will open his lodge on Barnegat Bay in a very few days.

At the club room Saturday night, the usual bowling exercises were going on, but attendance was not heavy, owing in part to fatigue after the hard day's work.

At Meehan's Nurseries in Germantown the main topic was the drouth. Nurserymen are having their full share of trouble on this score, and many are the expedients contrived to save the later planted stock. The first rain in some six or seven weeks fell on Friday, May 29. A long, interesting and most enjoyable carriage ride, conducted by Mr. Charles W. Kesser, manager of the nurseries, and accompanied by Mr. Joseph Meehan, was had on Sunday afternoon. The Wissahickon Drive, Fairmount Park, and miles of roads, lined with fair mansions and beautifully laid out gardens and lawns, was covered. At the Andorra Nurseries Mr. Wm. Warner Harper did the honors. Here 600 acres are taken up with a magnificent collection of trees and shrubs, and all things betokened a vigilant hand in charge and a condition of great prosperity.

The Germantown section of Philadelphia could appropriately be called "The Honeysuckle City," for this handy covering is most extensively used, and always to advantage. One lesson impressed itself: it is of su-

CABBAGE PLANTS
Fine plants, ready to plant out, $1 00 per 1000; 5000 for $4.00.
J. C. SCHMIDT, Bristol, Pa.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
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I Write for Florists!

BOOKLETS, FOLDERS, ADS. THAT REALLY BRING RESULTS. One florist writes, after 5 years: "Greatest help to my business of any service I ever used." My booklet, with sample ads., free.

FRED. H. CLIFFORD, Morse-Oliver Bldg., Bangor Me.,

Mention the Florists' Exchange when writing.

preme importance that water in practically unlimited quantity be obtainable wherever outdoor planting of young stock is made; in a drouth such as is still being experienced at this writing, water in ample supply means hundreds of dollars saved to the acre.

A. T. D.

Seasonable Notes.

In times of drouth make a note of what trees, shrubs and flowers stand the weather well. Customers often ask questions which such notes will enable you to answer.

Whether you issue a catalogue or not, you will need to know what stock you have to sell. Prepare books now in which to record later on what you have and the sizes.

Hydrangea paniculata grandiflora will give a late crop of flowers if their growing shoots are nipped off at this time. Heads of flowers smaller, but more numerous, result.

The greater number of mock oranges are not sweet scented. This is the time to determine which are and which are not, while the bushes are in bloom.

Continue puttnig in green wood cuttings of hardy trees and shrubs. Many sorts not expected to, will root in this way. As a rule anything that can be rooted by layering will root from cuttings.

Keep the hoe harrows going continually in the nursery. The fine, loose surface created is as good as a mulch in preserving moisture.

Memorial Day Flowers.

The extraordinary drouth which fell on Philadelphia this Spring utterly routed the flowers which the G. A. R. posts were accustomed to secure. Practically not a weigelia nor a snowball could be had—the two kinds so much desired, because of the long sprays of flowers they afford. Even the foliage of these bushes, to say nothing of the blooms, was burned up. It was the worst season in this respect ever experienced. In the herbaceous borders there were many peonies and irises, and there was a lively call for these; and, no doubt, florists who had a supply of indoor flowers met a great demand for them.

But as the surrounding meadows were full of ox-eye daisies, which children brought to the posts in great quantities, there were flowers enough for every grave.

After all, leaving out the question of business, the daisy is as good as the costliest flower. It is the sentiment that goes with the act that counts, not the value of the flowers.

Pruning Shrubs.

Florists who have charge of grounds to keep them in order, as many have, will find the present a good time to prune flowering shrubs, taking them in hand one after the other as they go out of bloom. Golden bell, snowball, weigelia, many spiræas and other shrubs are over with us, and all are ready for the pruner. The older branches which have flowered should be cut out, that those of the present season may the better perfect their youth. The appearance of the bushes need not be sacrificed by cutting out too many of the older branches. If there is a good supply of young shoots, that is all that is required. If, in order to keep a good shape, the tops of the young shoots be nipped off, it does not impair the desired result.

The Rose Acacia.

Among ornamental shrubs of a half spreading nature the rose acacia, Robinia hispida, occupies a good position. The bright rose pink flowers, in good sized clusters, are sure to appear every year, in May with us, and are of much beauty. For a great many years those in collections hereabouts bore sterile flowers; at least no seeds were ever produced; but, recently, in an importation from Japan, a plant of it came, and this one seeds prodigiously. Heretofore, propagation has been from pieces of root. but now that seeds can be had easily another and quicker mode of increase is opened. The seed pods are very ornamental, being covered with bright red hairs, so that the appearance of a bush is interesting even after flowering is over.

It has been noticed, too, that this seed-bearing one is of more upright growth than the other, which renders the former more desirable. The old sort was much subject to the attack of a stem borer. It remains to be seen if the newer one will be. There appears no reason why it should be exempt, but we are hoping it will be.

English Ivy Under Trees.

To those who deal in plants of a hardy nature, what best to plant under trees is a question often asked. The good old vinca is often used, and where the branches of trees are not too low this plant is often satisfactory. Wherever hardy, which it would be in all the Middle States at any rate, in such a position, the English ivy has proved satisfactory. As with periwinkle, it roots as it grows, hence has a chance to take advantage of passing showers which but moisten the surface often. No plant will do well without light and air, and it is useless to set any sort under trees the branches of which are within a foot or two of the ground. With a three-foot space, the requirements of the ground plants would be met. Large trees take much of the food from the soil, making it necessary to place a little food within reach of the plants. Thoroughly rotted manure, or bone dust, should be afforded.

In addition to the plants already named the evergren honeysuckle does fairly well under trees, and in such position keeps its foliage green all Winter. Both this and the ivy will stand cold weather better when on the ground than when growing in an upright position.

IN BUD AND BLOOM

Geraniums, various light colors, 3½ in. pots, $5.00 per 100. Ivy Geraniums in var., 3½ in., $5.00 per 100. Cannas, Italia, Austria and Charles Henderson, 4 in., $5.00 per 100. Verbenas, 3 in., $2.50 per 100. Nasturtium, mix., Thunbergia, mix., Lobelia, Parlor Ivy, Maurandya, Tradescantia, 2 vars.; Mignonette, Coleus, dark, $2.50 per 100. Scarlet Sage, 2½ pots, $2.50 per 100. Vinca Var., 3 in., $3.00 per 100. Ageratum, dwarf blue, 2½ in., $2.50 per 100. Vernon Begonia, very fine, in bloom, 2½ in., $2.50 per 100. White and Pink Begonias, in 2½ in., $2.50 per 100. Asters, in 2½ in., mix., $2.00 per 100. Fuchsias, Storm King, Avalanche and Elm City, 6 in., fine, $10.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

A1 SURPLUS=SPEAK QUICK

500 White Geraniums, double, from 4 inch pots, in bud and bloom, $5.00 per 100. **1500 Coleus,** Golden Bedder, Verschaffeltii, Fire Crest, Lord Palmerston, etc., 2¼ inch, $2.00 per 100. **1500 Alternanthera,** red and yellow, 2 inch, $1.50 per 100. **200 Salvia Splendens,** 3 inch, fine, $3.50 per 100. **300 Lobelia C. R. Compacta,** 2½ inch bloom, $2.00 per 100.

Cash with order, please.

D. WM. BRAINARD, Thompsonville, Conn.
Telephone Connection.

SURPLUS STOCK

	Per 100	1000
COLEUS, 2½ in., 10 sorts	$1 50	$14 00
IMPATIENS SULTANA, 2½ in.	2 00	
HELIOTROPE, purple, 2½ in.	2 00	18 00
IVY GERANIUMS, 2½ in.	2 00	18 00
VERBENAS, assorted, 2½ in.	2 00	18 00
CANNAS, red and yellow, 3 in.	3 00	
DAISY, white and yellow, 2½ in.	2 00	18 00
HYDRANGEA Thos. Hogg and Monstrosa, 2½ in	2 50	20 00
HONEYSUCKLE, golden leaved, 2½ in.	2 00	18 00
FERN, Maiden Hair, strong, 2½ in.	3 00	
CYPERUS, Umbrella Plant, 2½ in.	1 50	14 00
VIOLETS, Swanley White, Lady Hume Campbell, Luxonne, Princess of Wales and California, 2½ in.	2 00	18 00
CLEMATIS PANICULATA, 3 years old, field-grown	6 00	

THE SPRINGFIELD FLORAL CO.
SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

BARGAIN

Geraniums, Double Gen. Grant, strong, 3½ 4 in.' $4.00 per 100; Nutt and Double Gen. Grant, strong. 3 in., $2.50 per 100.

Heliotrope and **Verbenas,** strong, 3 in., $2.00 per 100.

Mme. Salleroi Geranium, extra strong, 2½ in., $1 50 per 100. This is first-class stock, mostly in bloom.

Violets, Marie Louise, prize stock, guaranteed to be healthy and first-class. 30,000 ready for July delivery, strong, 2½ in., $2.50 per 100; $20.00 per 1000. Strong, 3 in., $4.00 per 100; $35.00 per 1000. Extra strong plants from soil, $14.00 per 1000. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

BEGONIAS

2½ in., $2.50 per 100.
Argentea Guttata, Metallica, Thurstonii, Marguerita.

SALVIAS, 2½ in., $2.50 per 100; Splendens, The President and Chreaton.
COLEUS, 12 varieties, 2 in., $2.00 per 100.
GERANIUMS, 2 in., $2.50 per 100; Mme. Salleroi and Mt. of Snow.
DOUBLE NASTURTIUMS, 2 in., $2.50 per 100.
CENTAUREA GYMNOCARPA, 2 in., $2.00 per 100.
400 **REX BEGONIAS,** 4 in., $10.00 per 100; 2 in., $3.50 per 100.
1000 **GERANIUMS,** bud and bloom, 4 in., $6.00 per 100.
100 **CISSUS DISCOLOR,** 2½ in., $4.00 per 100
300 **THUNBERGIA,** mixed, 2 in., $2.00 per 100.
2000 **VERBENAS,** 2½ in., 10 vars., $2.00 per 100.
Cash With Order.

C. P. DIETERICH & BRO., Maysville, Ky.

Mention the Florists' Exchange when writing.

A. W. SMITH'S HYBRID MOON VINE, 4 in., 10c.; 3 in., 7c.; 2½ in., 5c.

AGERATUM, blue, from 4 in.	6c.
GERANIUMS, mixed, 4 in.	6c.
HELIOTROPE, 4 in	5c.
BEGONIA, Vernon, 4 in	6c.
SCARLET SAGE, 4 in	6c.
COBÆA SCANDENS, 4 in	6c.

HONEYSUCKLE, 5 in., 15c.; 6 in., 20c.

SMALL PLANTS, from 2½ in. Pots.

Petunias, dwarf striped and California Giant, 3c. **Verbenas,** 3c., 200 for $5.00. **Tradescantia, Lobelia, Pyrethrum Aureum,** 3c. **Coleus,** Verschaffeltii and Golden Bedder, 3c. **English Ivy,** 2½ to 3 in., 5c. **Calendula, Marigold** and **Nasturtium,** 3 in., 3c. Have to offer 3000 **Araucaria Excelsa,** April importation, raised from top cuttings only, for seedlings. 5½ in. pots, 3 to 4 tiers, 10 to 12 inches high, 50c. to 60c.; 5½ in. pots, 3 to 4 tiers, 12 in. to 14 inches high, 70c.; 6 in. pots, 4 to 5 tiers, 15 to 17 inches high, from 75c. to $1.00 each.

KENTIA FORSTERIANA, 6 in. pots, 30 to 36 inches high, each, from 75c. to $1.00 each.
KENTIA BELMOREANA, 6 in. pots, 25 to 30 inches high, 75c.
FICUS ELASTICA, imported, 4 in. pots, 25c.

Wanted to buy small **Boston Ferns** for cash. Please state if taken out of pots. Cash with order, please.

GODFREY ASCHMANN,
Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., Philadelphia, Pa.
Bell 'Phone, 3669 A Tioga.

Mention the Florists' Exchange when writing

Look Here---Special Sale!

Verbenas, Mammoth Fancy, 2 in., $1.00 per 100; $9.00 per 1000.
Howard's Star Petunia, 2 in., $2.00 per 100; in bloom.
Geraniums, 2 in., $1.50 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Dracaena Indivisa,

4 inch pots, 10c: 5 inch pots, 20c.

Sprengeri, 4 inch pots, 15c.
Canna, Dwarf Mix., 4 inch pots, 6c.
Umbrella Plants, 4 inch pots, 8c.
Stevia and **French Daisy,** 3 inch pots, 3c.
Vinca Major, 3 inch, 5c.

2½ inch pots—**Solanums Ciliatum Capsicastrum** and **Amazonicum. E. Crocker Carnation, Pink and Blue Hydrangea** (Genista large flowering), **White Bonnaffon Chrysanthemums,** fine strain of **Fuchsia and Egg Plants,** 3c. All well established, clean plants. Cash.

M. F. LaROCHE, Collingdale, Pa.

SURPLUS STOCK

GERANIUMS 1800 Mme. Thibaut, double bright pink; 800 Alphonse Ricard, double red; 500 Bruant, double red; 400 Comtesse de Castris, light pink double; 300 double white. All from 4 in. pots, strong plants, excellent for bedding, showy and stocky, $6.00 per 100.

1200 field-grown **Variegated Myrtle** from 4 in. pots, $6.00 per 100.

800 **Scarlet Sage** from 4 in. pots, $6.00 per 100.

2000 **Yellow Coleus,** 2½ in. pots, $2.50 per 100.

500 **Ageratum Princess Pauline,** blue and white, from 4 in. pots, $5.00 per 100.

300 **Hardy Ivy,** field-grown, from 4 in. pots, $10.00 per 100.

2000 **Small Geraniums,** S. A. Nutt and Double Scarlets, from 3 in. pots, $3.50 per 100.

1500 **Alternanthera Major,** $2.00 per 100.

500 **Alternanthera Aurea,** $2.00 per 100.

500 **Vinca,** rosea, alba and pura, $3.50 per 100.

CASH WITH ORDER.

C. RIBSAM & SON,
TRENTON, N. J.

Mention the Florists' Exchange when writing.

SURPLUS
SEASONABLE STOCK
ALL IN FIRST CLASS GROWING CONDITION.

WHITE MOONFLOWER, 2½ in. $2.50 per 100; $20.00 per 1000.
BEGONIA, Vernon and Vulcan, $2.00 per 100.
COBÆA SCANDENS, 2½ inch, $3.00 per 100.
CALADIUM ESCULENTUM, 5 inch pots, $5.00 per 100.
CANNAS, strong, 3 inch, $4.00 per 100.
SALVIA SPLENDENS, 3 inch, $3.00 per 100.
AGERATUM, Stella Gurney and P. Pauline, $2.00 per 100.
ABUTILON SAVITZI, $3.00 per 100.
ABUTILON ECLIPSE, $2.50 per 100.
WEEPING LANTANA, $3.50 per 100.
PLUMBAGO CAPENSIS, $3.00 per 100.
CROTONS in variety $3.00 per 100,
HIBISCUS SINENSIS in variety, $2.50 per 100.
OTAHEITE ORANGE, $2.50 per 100.
LEMON AMERICAN WONDER, $2.50 per 100.
JERUSALEM CHERRY, 2½ inch, $2.50 per 100.
KENTIA BELMOREANA, 2½ inch, $6.00 per 100.
ROSES, General Collection Everblooming, $20,00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

Sweet-Scented Magnolia.

As the sweet-scented Magnolia glauca is always found in low ground in its wild state, it indicates its preference of situation. In the vicinity of streams in low woods it is usually met in localities to which it is indigenous. In many places it grows where it appears to be actually in water a part of the time, so full of water is the soil. But in cultivation it does not ask for a very wet place. A damp one it does want, preferably, but not as a demand. Very good ones can be seen planted in ordinary places on a lawn—and thriving well.

In the month of June it perfects its deliciously scented white flowers, and these are not all out at one time, but succeeded one another, lasting all through the month of June. The odor is peculiarly grateful. The pale green of the leaves, especially of the young growth, is quite attractive.

The propagation of this magnolia, as well as of all that are raised from seeds, is best accomplished by collecting the seeds as soon as ripe in Autumn, washing them free of pulp and mixing them with damp soil as soon as cleaned. Before freezing weather sets in, or as soon after being cleaned as desired, sow them outdoors. Cover the bed with leaves, kept in place by slat frames or other contrivances, until the plants are above ground in Spring.

JOSEPH MEEHAN.

The American Association of Nurserymen held its annual meeting in Detroit, Mich., June 10 to 12. We hope to give a full report of the proceedings in next week's issue. Last accounts state that Atlanta, Ga., was after the gathering for 1904.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held on June 3. An interesting paper upon the outdoor cultivation of roses was read by Andrew Grierson, gardener for Mrs. Hicks-Arnold, of Portchester, N. Y. It was well received, and a copy was requested for the library of the society.

The usual monthly show of flowers was observed. Noticeable were some fine poppies from "The Terraces," Llewllyn Park, sent by John Hayes; and a Dendrobium suavissimum, from Malcolm MacRorie; strawberries from George Smith, and a collection of vegetables from Peter Duff, which received the maximum number of points by the judges. An adiantum of large proportions, exhibited by D. Kindsgrab, also scored 100 points.

The names of donors of the silver cups were announced. They are: Messrs. Sydney Colgate, John Crosby Brown, Orson D. Munn, J. Van Gasbeck, Wm. Jenkins, all of Orange. The date of the rose contest for the silver cup of Isaac Shoenthal was set for June 5.

The rose show on the 5th inst., was held in the society's rooms. It took the form of a social reception to the friends and patrons of the society. A brief informal address of welcome was made by President George Smith, and the presentation of the cup was made, in Mr. Schoenthal's name, by his secretary. The flowers of the contest occupied the center of the room, but the decorations, under the efficient management of Joseph A. Manda, were from the prominent greenhouses of the vicinity. A fraternal invitation had been extended to the B. P. O. Elks (who are the society's landlord) and their ladies. Refreshments were served.

The winner of the cup was Dietrich Kindsgrab, gardener for Mr. Wm. Runkle. The recipients of three highest points for six varieties of four blooms each were: D. Kindsgrab, 450; Peter Duff, 430; Michael Cox, 343 points. Particular attention was given to blooms of Kalmia latifolia exhibited by Michael Cox from the place of Thomas A. Edison in Llewellyn Park—the finest, many said, they had ever seen.

The display of rhododendrons in Llewellyn Park has attracted many visitors during the past two weeks. The groups were set out about 1857, when the park was first laid out, and now cover many square feet.

The only sign of severe drouth shown in this locality is in the grass upon the lawns and suspension of most gardening, save where there is abundance of water.

J. B. D.

St. Louis.

News Notes.

The opening of Shaw's Gardens to the public is always looked upon with great interest by the St. Louis people. Last Sunday the attendance was large, but not so large as at the last opening, as the flood attraction at the riverside was too great. Professor Trelease and his large corps of assistants were kept busy all day long showing the visitors around. Quite a lot of new features have been added. The orchid house, under the management of Mr. McClure, is in fine shape. The next opening will occur the first Sunday in September.

Harry Balsley, of Detroit, is in town looking up trade. Ever since 1893 Harry has paid us a visit yearly, and has become very popular with the St. Louis trade. His big gold badge shows that he is still in politics in his home city.

A large attendance was at the bowling alleys on Monday night, 12 members rolling. Harry Balsley acted as scorekeeper. The bowling was of a high order and some very good scores were made. Beneke was high in the four games rolled, with an average of 183¾; Carl Beyer second, with 166 2-3, and Fred Weber third, with 161 1-3. High single games was by Beneke 213, Beyer second, 188, and Kuehn third, 173. These games will be continued every Monday night, and a team will be selected to represent St. Louis at Milwaukee next August.

ST. P.

Boston.

Flower Show.

The rhododendron and peony shows of the Massachusetts Horticultural Society were combined this year, and in all a very creditable exhibition, considering the dry season, was held Saturday and Sunday. The rhododendron display was not so extensive this year, but included some fine exhibits, notably those of Mrs. A. W. Blake and Mrs. John L. Gardner. Mrs. Blake also staged a nice lot of hardy azaleas and a few fine clerodendron plants. Azaleas were also very well shown by T. C. Thurlow and Mrs. Gardner.

The orchid displays of J. E. Rothwell (Emil Johanson, gardener) and Lager & Hurrell, Summit, N. J., who staged plants, and J. S. Bailey (A. J. Newell), who filled several bottles with the cut flowers, were very attractive and interesting. Mr. Rothwell's exhibit included a novelty in a seedling Lælia Ragotiana (L. grandis x R. cinnabarina), which received a certificate of merit while his display won first prize. Another novelty among the plants shown was a seedling canna by D. F. Roy, gardener to E. S. Converse. The plant is of dwarf habit and throws exceptionally large flowers of a brilliant scarlet hue. It is named Mrs. E. S. Converse. For this promising variety a certificate of merit was given Mr. Roy.

The peony exhibits were large and varied. Mrs. J. L. Gardner won first, W. Whitman second, and W. J. Clemson third prizes in that class. Messrs. Whitman and T. C. Thurlow captured the other prizes for collections of thirty or more double varieties and twelve or more single varieties, while Mr. Thurlow won the special prize, a silver gilt medal offered by Kelway & Son, Langport, England, as well. This was for a collection of eighteen varieties named single or double.

The German irises, hardy pyrethrums, hardy ornamental trees and shrubs, shown by Mrs. J. L. Gardner and Anthony McLaren, were very attractive, as were the vases of flowers arranged by Mrs. E. M. Gill and Miss Hattie B. Winter. E. A. and W. K. Wood showed oriental poppies of excellent quality, and the Blue Hill Nursery staged a collection of 82 varieties of perennials.

At a meeting of the committee on arrangements of the Massachusetts Horticultural Society, held Saturday, it was voted to change the date of the Rose and Strawberry Exhibition to June 16 and 17. A communication from Miss Sarah B. Fay, of Woods Holl, was received and read. Miss Fay offers three prizes of $25, $15 and $10 to be competed for at the rose and strawberry show, for the largest and best display of hardy perennial roses made by an exhibitor who does not employ a professional gardener. These prizes, offered to interest amateur growers, should bring out an interesting display. Competition is subject to the rules of the Society.

F. J. N.

CANADIAN NEWS

Hamilton, Ont.

We had another rain last Sunday and Monday; it was the right kind and went right in. We can stand a little more without grumbling. Bedding out continues active. Prospects are for a thorough cleaning up. The seedsmen have had a very busy season; both Messrs. J. A. Bruce & Co. and Robert Evans Seed Company report largely increased business. Webster Bros. are shipping a great many bedding plants and quantities of mail orders; they are doing an immense lot of planting out as quickly as possible.

Walter Holt has built a new dwelling house this Spring; he also has had a busy season.

A. E. Cole, of Grimsby, is building up quite a plant. He is making considerable additions this year, using the King iron construction.

C. F. Coleman, of Burlington, will likely add to his glass area, and has opened a flower store in the Platt department store to make an outlet for his cut bloom.

J. Hughes, the florist at Hamilton Beach, has had a busy season. That popular resort is becoming covered with Summer cottages, and an immense number of bedding and hanging plants are used.

William Brown, of Dundas, is putting up a greenhouse and will grow cut flowers.

I notice by the last issue of the Canadian Florist that the libel suit against the paper had fallen through, because the party named as plaintiff in the suit could not be found, or did not exist, or something of the kind. It must have been an interesting lawsuit.

The late George N. Sones left an estate valued at about $16,000; his two sons, Edward and Frank, are continuing the business.

Florists' Club.

There was not a quorum at either of the last two meetings. Of course, the pressure of business was the cause, and no doubt the meetings will be much more largely attended. The next meeting will be held on the 16th inst., and will be devoted to a discussion on roses.

BEAVER.

KENTIAS
Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.
Asparagus Sprengeri, 3½ in. pots, $10.00 per 100,
Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.
WILLIAM A. BOCK, No. Cambridge, Mass.
Mention the Florists' Exchange when writing.

CANADIAN GROWN
1000 100
COLEUS Good assortment $20.00 $2.50
CANNAS Fine assortment, 3 and 4 in. pots. 6.50
Basket Plants Splendid stock of suitable plants 22.00 2.50
WEBSTER BROS., Plantsmen, Hamilton, Canada.
Mention the Florists' Exchange when writing.

Montreal.

Sixty-one days have elapsed since we have had a good day's rain. Forest fires are common throughout the Province of Quebec and in Eastern Ontario, and to-day (June 3) the Island of Montreal is being treated to quite a heavy shower of ashes. The situation is fast becoming unbearable, and plant growers who are without water are at their wits' end to obtain a sufficient supply, many having to haul it a long distance in barrels.

There will hardly be any hay at all on the Island, and as for nice green lawns, they are not in evidence. Even that nasty weed, the burdock, is curling up its leaves, owing to the drouth.

The Gardeners' and Florists' Club has decided to hold its annual picnic at Ste. Rose. Arrangements have been made for a special train to leave Place Viger station, at 9:30 a.m. on July 8.

The bedding plant trade is at a complete standstill, but it is a good thing for the florist that June brings a goodly number of weddings. Peonies are in great demand for decorations, and in short supply.

W. C. H.

ST. PAUL.—Decoration Day trade was the very best on record and everything went at good prices. There was not enough good stock to go round. In cut flowers roses and carnations were most plentiful, and most called for. There was a good supply of lily of the valley, longiflorum lilies, gardenias, snowballs, etc. We never saw a Memorial Day before when there was such a good demand for everything in the line of cut flowers. The cemeteries were most beautiful, with nearly every grave decorated by some floral remembrance.

Bedding plants have sold unusually well, and at this writing there is very little left.

Carnations in the field, stimulated by beneficent showers, are growing very nicely, and all vegetation is farther advanced than usual at this season.

VERITAS.

Rose Plants...
Good, clean, strong plants from 2½-in. pots.
Bridesmaids, $3.00 per 100; $25.00 per 1000
Brides .... 3.00 per 100; 25.00 per 1000
Meteors........ 3.00 per 100; 25.00 per 1000
We guarantee these to be first-class and right in every way. Give us a trial order.
Lake View Rose Gardens,
JAMESTOWN, N. Y.
Mention the Florists' Exchange when writing.

After you have been working all day in the greenhouses and potting shed you do not feel much like sitting down and answering the day's correspondence. But the work has got to be done. There is absolutely no way out of it. You cannot afford to hire a person to take care of the correspondence for you. Even if you could, you realize that it is far more satisfactory to do the work yourself, if in any way possible.
There is only one thing left, and that is for you to reduce the drudgery of writing as much as possible.
time nor the inclination to master the intricacies of any of the so-called "standard" typewriters.
Another point, and an important one, is the improved appearance of typewritten correspondence. Your letters, when typewritten, will be doubly effective business bringers, and the use of a LAMBERT will increase your commercial standing, in the eyes of your correspondents, a hundred fold. Pen and ink letters, besides being difficult to read, are considerably out of date. All business men give preference to typewritten letters.
Your Time, Labor and Money Saver
THE LAMBERT $20 TYPEWRITER
Easily and Quickly Learned.
Here is where the typewriter steps in.
For you, or any other person who must, or desires to write his own letters, the LAMBERT $20 TYPEWRITER is the ideal instrument because it is so simple, and so easily learned to operate. In from six to ten half hourly sittings (do not try to learn the machine all at once) you will have equaled the speed of your pen. After that additional speed is only a matter of practice. Dexterity in the use of the LAMBERT will come to you without effort and you will soon be agreeably surprised at your progress. The average business man has not the
A Boon to Every Florist.
The LAMBERT $20 TYPEWRITER is already in use by a number of florists, all of whom are high in their praise of the machine. Every instrument fully guaranteed.
Compare the writing of the LAMBERT $20 TYPEWRITER with the writing of any other machine on the market. The decision as to superiority rests with you. Sample of LAMBERT writing and further particulars cheerfully given. Write
HENRY A. GOLDBERGER,
919 Third Ave., New York City.
Mention the Florists' Exchange when writing.

50,000 ASTERS

Semple's, Truffaut, Victoria and Queen of the Market, four colors of each, separate, 250 by mail, $1.00, per 1000, $3.00.

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N.J.

Mention the Florists' Exchange when writing

Roemer's Superb Prize Pansies

The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower,
QUEDLINBURG, GERMANY.

Mention the Florists' Exchange when writing.

BEGONIA GLOIRE DE LORRAINE

And **Begonia Gloire De Lorraine Nana Compacta.** Our improved variety awarded a **Silver Medal by the Massachusetts Horticultural Society.** Plants of either sort, from 2¼ in. pots, $15.00 per 100, $140.00 per 1000. Delivery July and August. All orders east of the Mississippi River will be sent prepaid.

R. & J. FARQUHAR & CO.
6 and 7 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing

EARLY COSMOS,

the popular strain I have sold in the New York Cut Flower Exchange, the last four years. Pink, red and white mixed, seedlings, $1.00 per 100; $9.00 per 1000. Geraniums in bud and bloom, 4 in. $5.00 per 100; 3 in. $3.50 per 100.

Cash with order.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica P. O., Woodhaven Station.

Mention the Florists' Exchange when writing.

10,000 Alternanthera

2½ in., very fine.
$25.00 per 1000; $3.00 per 100.

10,000 Coleus, red, yellow and mixed.
2½ in., $25.00 per 1000; $3.00 per 100.
3 in., $35.00 per 1000; $4.00 per 100.

Vinca Var., 6 in., $3.00 per dozen.

L. H. FOSTER.
45 King St., DORCHESTER, MASS.

Mention the Florists' Exchange when writing.

BEDDING STOCK

close out we make the following low prices on strictly A1 stock.

GERANIUMS

2½ in. pots. $2.50 per 100: $25.00 per 1000.
00 HUBERT, CHARRON, 500 S. A. NUTT, 200 MRS. E. G. HILL, 500 MARVEL, 100 LA FAVORITE, 100 MME. CHAROTTE.

Same Varieties in 4 in. pots, $5.00 per 100; $40.00 per 1000.

	100
300 Caladinm Esculentum, 4 in. pots	$5.00
500 Arundo Donax Var., strong divisions in growth ready for immediate planting	10.00
500 Alyssum (Double) 2 in. pots	2.50
600 Centaurea Gymnocarpa, 2 in. pots	2 50
300 Coleus Golden Bedder	2 00
300 " Vershaffeltii	2.00
500 Pennisetum Longistylum, 2½ in pots	2.50
400 Pyrethrum Little Gem	2.50
400 " Golden Leaf	2 50
800 Salvia Splendens, 2½ in. pots	2.50

Helianthus Miss Mellish, Rigidus and Maximilliana, Boltonia Latisquama, Sweet William, Rudbeckia Newmannii, $2.50 per 100.

Sedum Spectabilis, Oriental Poppy and Digitalis, $3.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing.

Properly Grown—Properly Packed

Ready July 1st.

SMILAX, $1.50 per 100; $15 00 per 1000
ASPARAGUS SPRENGERI, $3.00 per 100; $25.00 per 1000.
ASPARAGUS PLUMOSUS, $3.50 to $10.00 per 100.

Samples for ten cents in stamps. I have a fine lot of this stock and solicit your trade.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

VERBENAS

In bud and largest size flowers, 2½ in. pots, $2.00 per 100. Same, seedlings, strong, from pan, 60c. per 100.

MIGNONETTE Machet, showing flower 3 inch pots, $3.50 per 100.

WM. STUPPE, Westbury Station, L. I., N.Y.

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA.

About 500 plants left, 2½ to 4 ft. high, from $4.50 to $7.50 per dozen. Fine stock. Cash with order.

CHR. SOLTAU,
199 Grant Avenue,
JERSEY CITY, N. J.

Near West Side Avenue Depot of Newark & N. Y. R. R., or by West Side Avenue trolley cars from Pennsylvania Ferry in Jersey City.

Mention the Florists' Exchange when writing.

CYCLAMEN

Best strain, once transplanted, $2.00 per 100; $17.50 per 1000.

GERANIUMS, the very best standard sorts, fine stock in bloom and bud, 4 in., $6.00; 3 in., $4.00; 2 in., $2.00 per 100. 20 per cent. less by the 1000.
CANNAS, leading varieties, 3 in., $4 00 per 100.
ALTERNANTHERAS, red and yellow, 2 in., $2 00 per 100; $15.00 per 1000.
BEGONIAS, Gracilis and Vernon, dwarf, $2.00 per 100; $15.00 per 1000.
SALVIAS, 2 in., $2.00 per 100.
FUCHSIAS, 3 in., $4 00; 2 in., $2.00 per 100.
VIOLET Marie Louise, 3 in., $5.00 per 100.
CALADIUM Esculentum, 5 in., $1.50 per doz.

Stock guaranteed the very best.

C. WINTERICH, Defiance, Ohio.

Mention the Florists' Exchange when writing

COLEUS

	Per 100
To Close Out, 2 and 2½ inch pot	$1 50
GERANIUMS, 2½ and 3 inch pot	3 00
ASPARAGUS SPRENGERI, 2 inch pot	2 00
ASPARAGUS PLUMOSUS NANUS, July	2 50
CENTAUREA GYMNOCARPA	1 50
CHINESE PRIMROSE, July ready	2 00
P. OBCONICA ALBA ROSEA and FORBESI, July	2 00
SMILAX, July 1st	1 00

Cash.

JOS. H. CUNNINGHAM,
DELAWARE, OHIO.

Mention the Florists' Exchange when writing.

COLEUS

Verschaffeltii, Queen and Firebrand, from 2¼ in pots, $2.00 per 100; $18.00 per 1000.

Alternantheras Red and yellow, from 2¼ in. pots, $2.00 per 100; $18.00 per 1000.

Cannas From flats, leading kinds, $5.00 per 100.

Silver-Leaved Geraniums From 3 in. pots, Silver-Leaved Nutt, $15 00 per 100. Mme. Langwith, $10.00 per 100.

FRANK A. PIERSON,
CROMWELL, CONN.

Mention the Florists' Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 20 others, 2 in. pots, $1.00 per 100; $10.00 per 1000.
Salvia, 2½ in. pots, $2.00 per 100.
Ageratum, P. Pauline and Stella Gurney, 2 in. pots, $1.50 per 100.
Double Giant Sweet Alyssum, 2 in. pots, $2.00 per 100. **Cannas,** 4 in. pots, $5.00 per 100.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N. Y.
Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

ENGLISH IVY

Fine plants, out of 4 in., pots	$10 00 per 100
" " " 5 " "	20 00 " "
Rooted Cuttings	1 50 " "
Pansy, fine plants, Roemer's strain, in bloom	20 00 " 1000

For growing on: **Hydrangeas,** 4 in., nice plants, $6.00 per 100; Rooted Cuttings, $2.00 per 100. **Genista,** dwarf, fine plants, out of 2½ in. pots, $4.00 per 100. **Begonia semperflorens,** 10 varieties, best bedder, out of 2 in. pots, $4.00 per 100. Cash please.

CHAS. ZIMMER West Collingswood, N. J.

Mention the Florists' Exchange when writing.

1903 NOVELTIES
—OF—

GERANIUMS

Double Dryden, Goliath, Little Red Riding Hood, Cleopatra, James S. Wilson, 35c. each, $1.50 for set of six. Descriptive list free.

Henry Eichholz, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

200,000 PANSIES

Florists' International, the finest strain in the United States. Strong plants in bloom, $15.00 per 1000. Smaller transplanted, $10.00 per 1000. Also **Giant Pansies** in bloom; **Forget-me-nots, Sweet William Daisies,** Longfellow and Snowball, in bloom; Dianthus plumosus, Dianthus Heddewigii, Gypsophila. All transplanted, strong, $1.25 per 100; Bedding Plants in 20 varieties. Wholesale price list mailed free. Call or write.

LUDVIG MOSBÆK,
85th St., near South Chicago Ave., Chicago, Ill

Mention the Florists' Exchange when writing.

ASTERS

SEMPLE'S in separate colors, white, roses shell pink, purple and lavender. $2.50 per 1000. Write for prices on large lots.
Queen of the Market, 50c. per 100.

CASH WITH ORDER.

A & G. ROSBACH, Pemberton, N J.

Mention the Florists' Exchange when writing.

ASTERS

50,000 ready to plant out. Semple's and Queen of the Market, grown from the best seed, 40c. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, (August Seedlings) extra well grown plants from 2½ inch pots, $5.00 per 100; $45 00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

	Per 100
ASTERS, Semples, in 5 varieties, 2½ in. pots,	$1.50
AGERATUMS, in 3 varieties, 3½ in. pots	2.50
COLEUS, in variety, 2½ in. pots	2.00
FUCHSIAS, in variety, 2½ in. pots	2.00
" " in bud and bloom, 4 in. pots	6.00
GERANIUMS, in variety, in bud and bloom, 4 in. pots	5.00
HELIOTROPES, in variety, 2½ in. pots	2.00
" " 3½ in. pots	4.00
GERANIUMS, Happy Thought, 2½ in. pots	3.00
ROSE GERANIUMS, 4 in. pots	5.00
SALVIA SPLENDENS, 4 in. pots	4.00

At these prices the selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

4,000 COLEUS 2 in. and 2½ in., $15.00 per 1000, including Red and Yellow Verschaffeltii, Golden Bedder, Firebrand and six other fancy colors. Cash, please.

RONEY BROS., WEST GROVE, PA.

Mention the Florists' Exchange when writing.

15,000 VINCA VAR. Good strong plants from cold frame 2 in., $1.25 per 100; $10.00 per 1000; 500 at 1000 rates. Cash with order.

P. J. AGNEW, Johnson Ave., Springfield, Ohio.

Mention the Florists' Exchange when writing.

COLEUS

Strong, bushy, well rooted; sent with soil mostly shaken off. Red and Yellow, $1.40 per 100. Fancy, $1.25 per 100.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Geraniums and Chrysanthemums

1,500 Assorted Geraniums, named, 3 in., $3.00 per 100 to close out. **Chrysanthemums,** rooted cuttings, White Ivory, Glory of Pacific and Whilldin, $1.50 per 100. Appleton and Eaton, $2.00 per 100.

WM. SWAYNE, Box 226,
KENNETT SQUARE, PA.

MARIE LOUISE VIOLETS

Strong plants, February and March struck. Healthy and free from disease.

$15.00 per 1000. Cash with order.

Your money cheerfully refunded if not satisfactory.

C. LAWRITZEN, Rhinebeck-on-Hudson, N.Y.

Mention the Florists' Exchange when writing.

VIOLETS

2½ in. pots, Grand Rapids stock, Swanley White, Imperial, Marie Louise and Lady Campbell.
GERANIUMS, 4 in., S. A. Nutt, Bruants, Double Pink and White. $6.00 per 100, in bloom.
VINCAS, extra long vines, 3 and 4 in., $8 per 100.
COLEUS, 2 in., standard varieties, $2.50 per 100.
SINGLE PETUNIAS, Dreer's, 3 in., $3 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

MUMS

Large list of good varieties.
R. C. $1.00 per 100. Prepaid for 10c. extra.

COLEUS. Golden Bedder, Verschaffeltii, and other good sorts, 2-in. pots, $1.75 per 100; $15.00 per 1000. R. C. 60c. per 100.

Alternanthera red and yellow, $1.75 per 100; $15.00 per 1000.

AGERATUM Gurney, P. Pauline, and Best White R.C. 60c. per 100.

STEVIA SERRATA R. C. 75c. per 100.

STEVIA S. variegata R. C. $1.25 per 100.

CANNAS, 4 in., Henderson, Cleveland, Italia, Burbank, etc., $4.00 per 100.

TOMATOES. Stone Paragon, Ponderosa, Imperial, Atlantic Prize, Earliana, $1.00 per 1000.

CABBAGE, Flat Dutch, Drumhead, Ballhead, Autumn King, Fottler's, $1.00 per 1000.

Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

In bud and bloom. S. A. Nutt, Marvel, Mrs. E. G. Hill, Jean Viaud, Bruant, Mme. Chevilliere, Alphonse Ricard, Beaute Poitevine, etc., 4 in., $6.00 and $8.00; 5 in., $15.00.

CANNAS Fine large plants in 4 in. pots, ready for immediate planting, $8.00 and $10 per 100. Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERA Red and yellow, 2½ in., $2.50. **Coleus,** fifteen varieties, 2½ in. $2.50; 3 in., $3.50 per 100.

CHRYSANTHEMUMS **Rooted Cuttings.** 2½ in. pots $1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Weeks, Mayflower, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Golden Wedding, Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100.
Mlle. Liger and Yellow Eaton, 50c. ea.; $5.00 per doz.

BOSTON FERNS 2½ in., $8.00 per 100. 3 in., $10.00 per 100; 7 in., $1.00 each; 8 in., $1.25 each; 9 in., $1.50 each. Cash or C. O. D.

ROSES, 2,000 2½ in. Bride plants, $3.50 per 100.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION

Ready for delivery.

Price $3.50 carriage paid. Send for Sample pages.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y

Here is a Snap for Somebody

100 Verbenas, all colors, all in bloom, 2½ in., well branched, $1.50 per 100.

400 Ivory Roses, 2¼ in. all from heel cuttings, good stock, $5.00 per 100.

Cash with the order, please.

CHAS. F. SEITZER, 20-30 Oswego St., UTICA, N. Y.

Mention the Florists' Exchange when writing.

2000 CANNAS,

in 4 in. pots, Chas. Henderson and Mme. Crozy, $5.00 per 100.

An Exeter Steam Boiler, heating about 2000 sq. ft., for sale; also a **Hot Air Heater,** to heat about the same.

H. W. WIELAND, Newtown, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

LOOK OUT, SWEEP UP, AND CLEAN OUT

Cannas, 3 in., C. Henderson, F. Vaughan and M. Berat, $2.50 per 100. Started eyes of C. Henderson and M. Berat, 80c. per 100.

Mammoth Mixed Verbenas, 2 in., $1.00 per 100, in bloom and bud.

Chrysanthemums, Glory of the Pacific, 2¼ in., $1.50 per 100.

Mixed Flowering Begonias, 2½ in. and 3 in., $2.00 per 100.

Geraniums, 3 in., strong plants, bud and bloom, mixed, $2.50 per 100.

Mixed Fuchsias, 2½ in. and 3 in., $2.00 per 100.

Geraniums, 2½ in., mixed, strong plants, $1.50 per 100.

50 Asparagus Tenuissimus, strong, 3 in., 6c. each.

Campbell Violet Clumps for Fall. I will have a large stock.

A. B. CAMPBELL, Cochranville, Pa.

Mention the Florists' Exchange when writing.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

GERANIUMS

S. A. Nutt, Jean Viaud, Marquis de Castellane, etc., 4 in., $5.00 per 100.

FUCHSIAS

Little Beauty, 3 in., $5.00 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing.

CANNAS

Good and well-established **CANNAS,** 3 and 4 in. pots, 12 to 18 in. high. 3 in. pots, $3.00 per 100; 4 in. pots, $4.00 per 100. President McKinley, President Cleveland, Queen Charlotte, Mme. Crozy, Chas. Henderson, Duke of Marlboro, Allemania, Torchlight, America.

3 in., $2.50 per 100; 4 in., $3.50 per 100. Italia, Burbank, Austria, Florence Vaughan.

CHOICE GERANIUMS

2½ in. pots, $2.50 per 100; $20.00 per 1000. Jean Viaud, Wonder, Ricard, Atlantis, Mme. Bruant, L. Swartling, Granville, Mrs. J. M. Garr, Madonna, Gen. Dodds, Ben. Schroeder, Columbia, W. L. Gunn, Souv. de Miranda, La Vienne Princess Alix, Mme. St. Paul Bridoux, Emile de Girardin, Heteranthe, Dr. Blanche, Bucharlcs, S. A. Nutt, White Swan and La Contable.

FINE FUCHSIAS, 2½ in. pots, $2.00 per 100. These are fine plants. Avalanche, Rosana Patri, Mrs. E. G. Hill, Trophee, Arabella, Speciosa, Black Prince, Trailing Queen.

COLEUS, 20 varieties, 2½ in. pots, $2.00 per 100.

HARDY ENGLISH VIOLETS, 2½ in. pots, 3.00 per 100.

NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

25,000 POTTED AND DORMANT CANNAS.

Potted List—Mme. Crozy, Charlotte, Florence Vaughan, Golden Moon, Shenandoah (bronze leaved); Duke Marlborough, Crimson Bedder, Souvenir d' Antoine Crozy, Rosemaur (finest pink); Leopard, President McKinley, Alsace, Gloriosa, Philadelphia. Price, fine stock, from pots, $6.00 per 100; $50.00 per 1000.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Golden Moon, Canary Bird, Burbank, Austria, $1.50 per 100; $12.00 per 1000.

Ampelopsis Veitchi, seedlings, fit to pot, $1.00 per 100; postpaid.

English Ivy, 2½ in., long tops, $3.00 per 100.

Send for list. **Cash please.**

BENJAMIN CONNELL
WEST GROVE, PA.

Mention the Florists' Exchange when writing.

Strong Plants CANNAS From 3½ in. Pots

Price, $6.00 per 100.

Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos. S. Ware, Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres. Cleveland, Papa, Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy.

OWN ROOT ROSES HEALTHY STOCK

Bride, **Bridesmaid** — From 3-in. pots, $7.00 per 100; $60.00 per 1000.

GRAFTED ROSES.

Golden Gate, Bridesmaid, Bride, Wootton — 3-inch pots, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2½ in. pots.

Aduls, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, G. W. Childs, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L. Park, Nagoya, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100; $35.00 per 1000. Ada Spaulding, H. W. Rieman, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Marg. Graham, Mme. F. Bergmann, Niveus, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sale.

	Size Pots	Per 100
Achyranthes, Emersonii, etc.	2¼ in.	$3.00
Anthemis, Double Golden Marguerite	2¼	3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney	3	5.00
"	2¼	3.00
Cuphea, Platycentra	2¼	3.00
Coleus, all the leading varieties	3	4.00
" " " "	2¼	3.00
Cannas, varieties as above list	$6.00 and 8.00	
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	3.00
" " " "	3½	7.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	3.00
" " " strong	4	10.00
Pelargoniums, 4 varieties	3½	12.00
" " "	2½	6.00
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

New White Canna

MONT BLANC

THE GREATEST NOVELTY IN CANNAS.

Potted plants, 75c. each; $7.50 per doz.; $50.00 per 100.

PHILADELPHIA ROSE. The Improved Crimson Rambler, 2½ in., 1.50 per doz.; $10.00 per 100. 4 to 5 in., $4.50 per doz.

GENISTA, 75c. per doz., $5.00 per 100.

ARAUCARIA EXCELSA, 2 to 3 tiers, $5.25 per doz.

ARAUCARIA EXCELSA, 3 to 4 tiers, $7.50 per doz.

THE CONARD & JONES CO., West Grove, Pa.

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WHY PAY MORE?

WHEN YOU CAN GET

50 STARTED CANNAS IN A FLAT LIKE THIS FOR $1.40

50 STARTED CANNAS of **one kind** in a **flat, $1.40** per flat; **$25.00** per 1000.

ASSORTED KINDS, 50c. per doz.; **$3.00** per 100. Varieties as follows: **Shenandoah,** dark foliage, pink flowers; **Grand Rouge,** handsome, bronze foliage; **Alphonse Bouvier,** crimson; **Chas. Henderson,** scarlet; **Flamingo,** scarlet; **Florence Vaughan,** yellow, spotted red; **Alsace,** white; **Paul Marquant,** salmon; **Madame Crozy,** crimson, golden edge; **Queen Charlotte,** scarlet, wide gold edge; **Italia,** large orchid-flowering, crimson, gold edge; **Austria,** large yellow orchid flowering; **Burbank,** large yellow orchid-flowering.

DORMANT ROOTS of the above sorts, large pieces 3 and more eyes at **25c.** per dozen, **$1 50** per 100; **$12 50** per 1000.

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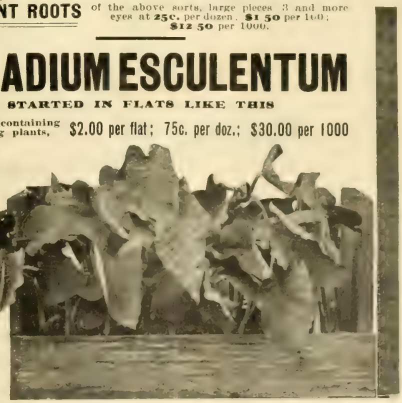
Each Flat containing 50 strong plants, $2.00 per flat; 75c. per doz.; $30.00 per 1000



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DORMANT BULBS
All with Center Shoots

6 to 8 inches	$1.50 per 100;	$10.00 per 1000
8 to 10 "	2.00 "	15.00 "
10 to 12 " and over	4.00 "	35.00 "

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TELEPHONE 4390 SPRING
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Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

SITUATION wanted by inexperienced young lady in florists' store; will give first month. Address Nellie R., care Florists' Exchange.

GERMAN, first-class hand, 22 years old, speaks English wishes position on private or commercial place; please state wages. Address Y. H., care Florists' Exchange.

FLORIST of 20 years' experience desires position on gentleman's country place, understands all branches; best of references. Address Y. A., care Florists' Exchange.

A GOOD CUT FLOWER GROWER needs position; well known to trade of New York as a grower of high grade carnations. Married. F. W. Godfrey, Port Richmond, S. I., N. Y.

SITUATION wanted by Swede, 21 years old; one year's experience in general greenhouse work, private place preferred; steady work wished. Address Y. E., care Florists' Exchange.

SITUATION wanted Young man, five years' experience as driver, with some knowledge of greenhouse and garden work, state wages. Address Henry Bauer, 439 East 82d St., New York.

SITUATION wanted as manager in or near Boston; long experience in roses, carnations, chrysanthemums, etc. Best of references. Apply, Manager, care F. J. Norton, 61 Mass. Ave., Boston.

SITUATION wanted as foreman, by married man; first-class grower of cut flowers and plants, experienced in management of large places, references. Address Y. D., care Florists' Exchange.

SITUATION wanted—Florist and gardener; single French, thoroughly understands Italian garden, landscaping, greenhouse work; also flowers, fruits, graperies, vegetables; can manage gentleman's place with greenhouses. Gardener 221 W. 35th St., New York.

SITUATION wanted by thoroughly practical, experienced grower of roses, carnations, chrysanthemums, violets, Easter and spring plants; first-class designer and decorator and good salesman; able to take charge of first-class retail place. English, single, age 35; total abstainer, state wages. Y. F., care Florists' Exchange.

HELP WANTED

WANTED — Storeman; thoroughly competent young man. Address Y. C., care Florists' Exchange.

WANTED First-class carnation grower, by August 10, married; must come well recommended. Address E. H. Ruestow & Co., Barnards, N. Y.

WANTED Experienced man to manage large commercial place, should have some means of his own. State experience to Y. B., care Florists' Exchange.

WANTED Handy man to drive; also help in greenhouses; steady position; married man preferred. R. Shannon & Sons, 3380 Ft. Hamilton Ave., Brooklyn, N. Y.

WANTED -Florist, good, all around man who is experienced in the growing of plants and flowers, wages to begin $10 per week. Address Y. J., care Florists' Exchange.

WANTED, thoroughly competent man to take charge of section of rose houses; none others need apply. Edgar C. Hopping, Florham Park, Madison R. R. Station, N. J.

WANTED Shipping clerk, satisfactory reference required; only experienced man need apply. good wages and permanent position to right man. Bobbink & Atkins, Rutherford, N. J.

WANTED, a single young man of some experience in greenhouse work. Must be an industrious worker and of good habits. Wages $20 per month, board and room. Address X. U., care Florists' Exchange.

WANTED At once, good, steady young man, as assistant on commercial place, must be sober, active and a good worker. steady position to the right man. Apply to A. N. Towell, Florist, 1893 Amsterdam Ave., New York.

WANTED All-around man to assist in violets and bedding plants, must be quick, willing and not afraid of work. married man with small family, steady place, wages $30 per month with house and coal, etc., increase if satisfactory, give references. Wm. S. Herzog, Morris Plains, N. J.

THE AMERICAN CARNATION.

Now ready. Write for particulars.

Price, $3.50.

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BUSINESS OPPORTUNITIES

FOR SALE—Florist place near New York consisting of 25 lots; 18 greenhouses, 35,000 ft. of glass, good trade. Apply John Thumann, 533 Fulton St., Union Hill, N. J.

FOR SALE—On account of sickness and retiring from business, a florist place of six green houses, and hot bed sash; 2 acres, in Philadelphia. Fred Krebs, 543 Belgrade St., Philadelphia, Pa.

FOR SALE—Florist place, consisting of modern eight room dwelling, land 160x200 feet and over 5,000 feet of glass; heated by two 16 Hitchings boilers. For full particulars address G. H. Hunter, 423 Ellsworth Ave., New Haven, Conn.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR TO RENT in Pittsfield, Mass., three greenhouses; modern heating system; hot beds; potting houses; large barn and sufficient land. Anything in greenhouse products sells quickly locally. Ill health compels sacrifice. Terms easy. Address F. A. Cooley, Pittsfield, Mass.

FOR SALE.

About 35 miles from Boston, seven greenhouses, with one acre of well cultivated land, suitable for Summer planting. The houses are 100 ft. x 20 ft., and in fairly good condition. They are heated by a No. 11 Furnam hot water heater. For full particulars apply to

MR. G. ST. L. ABBOTT,
Room 621, 23 Court Street, Boston, Mass.

FOR SALE or RENT.

Eight greenhouses at Lansdowne, six miles from Philadelphia,

Six Houses 20 x 100 feet
Two Houses 6 x 100 feet

Iron and slate benches; unsurpassed steam plant; water supply, 60 lbs. pressure; together with 2½ acres of land.

CHAS. S. PRICE, Lansdowne, Pa.

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TO BE SOLD BY ORDER OF COURT

JUNE 17th, 12 Noon
AT
BEECHER'S EXCHANGE
149 Orange Street, New Haven, Conn.

A valuable tract containing about sixteen acres, situated on Townsend Avenue, an important avenue, and on the line of trolly, within the city limits of New Haven. This property is used as a florist's establishment, is under full operation, having thereon a complete modern, up-to-date plant, including green houses, heating apparatus, etc. Land is well watered, located on a gentle southerly slope. Terms, ten per cent. cash at time of sale, balance on approval of deed by Court.

Dated New Haven, June 1, 1903.

EDWARD C. BEECHER,
Committee of the Superior Court.

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MISCELLANEOUS WANTS

WANTED—To lease or buy, commercial place of about 15,000 sq. ft.; must be modern, in good condition, with good farm land; within easy, convenient reach of R. R. station and Boston market. Address Y. G., care Florists' Exchange.

MISCELLANEOUS

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—20 to 30 boxes No. 1 glass; 1 000 ft. 3½ in. pipe; expansion tanks, sashes, etc. Write Hoffman, 511 Lenox Ave., New York.

FOR SALE, four thousand feet of glass, averaging 12x14; two boilers, one Exeter and one Prendergast; 1200 feet 1½-in. pipe and 300 feet 2 in. pipe. Apply to John Walsh, Flower Market, Boston, Mass.

FOR SALE—Two greenhouses, 10x80, one half 3x6 sash, the balance sash bars and 10x12 double thick glass; seven lines 2 in. pipe; No. 5 Scollay boiler, all in good shape. For further particulars address Lewis M. Uhlig, Pearl River, N. Y.

FOR SALE—New 2 in. black pipe, long lengths, 10c. ft.; 6x8 single American Glass, $2 25 per box; double thick, $2 60 per box; single French glass, 100 ft. boxes, $4 00; 12x14, 12x16, 11x14, 16x18 double American glass, $3 60 per box; 10x12, 12x12, 10x15 single glass, $2 40 per box; 16x21 double French glass, $3.50 per box. Clear Gulf cypress greenhouse material; boilers and ventilating apparatus. Send for prices. S. Jacobs & Sons, 1365 to 1373 Flushing Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

STOP

At 66 N. Front Street, PHILADELPHIA

When visiting the Seedsmen's Convention and look at the two cabinets UP-TO-DATE ELECTROTYPES, containing over 1,300 cuts of Flower an Vegetable Seeds. Will be sold for one-tenth of cost.

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JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking **Chrysanthemums**, Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York Cit

Branch Store, 404 East 34th Street, New York.

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DON'T YOU FORGET SIEBERT'S ZINC NEVER RUST GLAZING POINTS

Are Positively the Best. Last Forever. Over 8,000 pounds now in use.

A sure preventive of glass slipping. Effective on large or small glass. Easy to drive, easy to extract. Two sizes, ⅝ and ⅞, 40c. a lb.; by mail, 16c. extra; 7 lbs. for $2.50; 15 lbs. for $5.00, by express. For sale by

Vaughan's Seed Store, Chicago and New York.
Henry F. Michell, Philadelphia.
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KIND WORDS NEVER DIE.

BELLEVUE, PA.

CHARLES T. SIEBERT: Please book my order for 100 pounds of Zinc Never Rust Glazing Points. I have used five different kinds in the past twelve years, and none of them gave me satisfaction like yours. They will stay in, are easy to drive, no rights or lefts, will hold the glass in place, and do not rust away like all others I have used. Your Zinc Points are easy to take out when making repairs. I have used about 100 pounds of your Zinc Points in the last two years, and I am perfectly satisfied with them.

Yours truly,
F. BURKI.

CLEVELAND, OHIO.

CHARLES T. SIEBERT:—In our twenty-five years' experience with glazing points of all kinds, I can say your Zinc Points are the best to date.

CHARLES H. WILSON,
Mgr. for Grant-Wilson Floral Co.

LOCKLAND, OHIO.

CHARLES T. SIEBERT:—I must say the Zinc Points have given great satisfaction I have over 100 pounds on my houses, and feel justified in stating that they are the best point on the market.

Yours respectfully,
W. K. PARTRIDGE, Florist.

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California Privet This is your chance plant them: 2 yr., 2 to 3 $30.00 per 1000; 2-yr., 2 to 3 ft., cut back, $23.00 1000; 2 yr., 1½ to 2 ft., $19.00. F. O. B. Cash wi order. Packing Free.

ATLANTIC COAST NURSERIES,
Office 606 4th Ave., Asbury Park, N. J

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1500 Geraniums white, red and pin 4 in., $5.00 per 10
2000 Cannas Queen Charlotte, Cro Egandale, $5.00 per 1
1000 Alternanthera, red } $2.00
1000 " yellow } 100.
500 Yellow Coleus $2.00 per 100.
500 Centaurea Gymnocarpa $2.0 per 1

CASH WITH ORDER,

CHAS. A. KNAPP, Mermaid, Chestnut Hill, **Phil**

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ONE LORD & BURNHA

$60.00

One Coil Boiler, 900 feet radiation	$35
One Coil Boiler, 2,200 feet radiation	60
One Ericsson No. 10 Engine	95
One Hitchings Hot Water Heater, No. 16	55
One Ericsson Pumping Engine, No. 8	8
One Ericsson Pumping Engine, No. 6	55
One Rider Pumping Engine, No. 6	11

All guaranteed to be in good working ord
Boilers taken in exchange.
New 2-inch Pipe, 10c. per foot net.
Second-hand 2-inch Pipe, 8c. per foot.
Second-hand 1½-inch Pipe, 5¾c. per foot.
Second-hand 1¼-inch Pipe, 4½c. per foot.
Second hand 1-inch Pipe, 3¼c. per foot.
Second-hand ¾-inch Pipe, 3c. per foot.
3,000 ft. job lot new ¾-inch hose, $5.00 per 100 fe not guaranteed.
New ¾-inch hose, guaranteed one year for 150 l pressure, 7½c. per foot.
Write for prices on all kinds of tools and lumb

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SPECIAL OFFER OF PALMS

WE OFFER HEREWITH A SPLENDID LOT OF PALMS, STOCKY, CLEAN, VIGOROUS PLANTS, WHICH WILL MAKE FINE PLANTS FOR FALL SALES. NOW IS THE TIME TO GET IN YOUR SUPPLY AND REAP THE ADVANTAGES OF THE SUMMER GROWTH.

ARECA LUTESCENS

Fine plants from 5-inch pots, 3 plants in a pot, 20 to 24 inches high, $4.50 per doz.; $35.00 per 100.

Plants from 4-inch pots, 12 to 15 inches high, nice stocky plants, 3 plants in a pot, $2.50 per doz.; $20.00 per 100.

KENTIA BELMOREANA

Splendid plants from 6-inch pots, 2 to 2½ ft. high, 5 to 7 leaves, $12.00 per doz.

Plants from 5-inch pots, 15 to 18 inches high, $6.00 per doz.; $45.00 per 100.

Plants from 4-inch pots, nice stocky plants, about one foot high, $3.50 per doz.; $25 per 100.

Plants from 3-inch pots, just ready for a shift, $14.00 per 100.

KENTIA FORSTERIANA

Fine plants, from 5-inch pots, 18 to 20 inches high, 5 to 6 leaves, $4.50 per doz.; $35.00 per 100.

Plants from 4-inch pots, 15 to 20 inches high, 4 to 5 leaves, $3.50 per doz.; $25.00 per 100.

LATANIA BORBONICA

Fine plants from 3-inch pots, $8.00 per 100; from 2-inch pots, $4.00 per 100.

PANDANUS UTILIS

Fine plants from 5-inch pots, $3.50 per doz.; $25.00 per 100. 3-inch pots, $8.00 per 100; 2-inch pots, $4.00 per 100.

PETER HENDERSON & CO.

35 and 37 Cortlandt St., NEW YORK

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THIS magnificent volume contains 300 pages of the most valuable and instructive information on the subject of Carnation Culture ever presented. Every carnationist needs a copy; every grower should have a copy. Handsomely printed in clear large type on elegant wood cut paper. The illustrations are from life and are of an unusually high order of excellence. Order at once, or send 2-cent stamp for sample pages giving synopsis of contents, index, list of illustrations, etc.

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SPECIMEN BAYS
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PHŒNIX
In many sizes. For outdoor decoration.

KENTIAS
LARGE AND SMALL.

Trained and Clipped Box Trees

JUST RECEIVED Fine importation. 1500 Phalænopsis, Schilleriana, Stuartiana, Amabilis, etc.

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5000 CATTLEYA TRIANÆ, in Splendid Condition.

Ask for prices or call and inspect stock.

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THE
BOSTON FERN
FROM BENCHES.
$5.00 per 100; $40.00 per 1000.

Larger plants, $10.00 per 100; $95.00 per 1000.
Fine, bushy plants, 75c. and $1.00 each.

CANNAS
We have still 25,000 on hand in 25 of the best varieties, at very low prices. Write for price list.

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English Horticultural Notes.

SOME NOVELTIES of special trade merit have been exhibited at horticultural meetings in London, Eng., within the past two or three weeks. To name these in a line they are: Rubus moluccanus, a warm-greenhouse climber, with beautifully marked foliage, being suitable for florists' decorations; Bull's White Excelsior Stock, which has large double flowers; Nicotiana Sanderi, a rose-pink flowered tobacco, and one likely to be eagerly sought; Cordyline (or Dracæna) Père Charon, with dark, shining crimson leaves; and lastly, Richardia hybrida Solfatara, which may be described as a sulphur-colored Richardia (Calla) Elliottiana, and has a purple blotch at the base.

RUBUS MOLUCCANUS.—The well-known Cissus discolor will very likely be always favored before Rubus moluccanus, unless for the larger and heavier decorative displays. The leaves are 5 to 8 inches in length and three-lobed. They are velvety in texture, the whole surface being crinkled and veined. They are flushed and mottled with bright green, dark green and a glaucous or silvery hue. They are stout and are borne alternately on long, slender, half-woody brown stems, which are, of course, pliable. Messrs. Veitch, of Chelsea, staged the plant.

NICOTIANA SANDERI.—This was thought by many experts to be the best "new plant" brought before the judges at the recent Temple flower show in London, and Messrs. Sander & Sons, of St. Albans, are fortunate in possessing the stock. It is taller and finer in growth than the common, so-called tobacco plant (N. affinis) and its beautiful rose-pink flowers, which are abundant, have seemingly longer and narrower tubes. As an ornamental and easily grown plant it will doubtless be variably utilized.

CORDYLINE ((DRACAENA) PERE CHARON.——This is a broad-leaved form, of capital habit, the foliage arching downward, and colored a rich dark crimson, with streaks almost of a scarlet color. It was brought to London by Mons. L. J. Draps-Dom, of Laekin, Brussels, and received a certificate.

RICHARDIA (CALLA OR ARUM) HYBRIDA SOLFATARA.—It is a considerable time since I first heard of this in Berlin. It has now been recognized by an award of merit in London when shown by Herr G. Bornmann, of Blakenbourg, Harz, Germany. Being of a soft sulphur color and having a purple blotch at the base, the foliage, too, being velvety in texture and splashed with white. it may find acceptance.

ROSES.——Souvenir de Pierre Notting is one of the teas of the future, and is doing well in England. Messrs. Paul & Son, of Cheshunt, Herts, had an award for their tea rose named Queen of Sweden and Norway, a dwarf grower, with soft creamy flowers flushed blush-fawn, and these are of good shape.

In England, the Garden or Decorative Roses are being rapidly added to. Dorothy Perkins is a good type of garden rose, and William Paul, of Waltham Cross, has had his Waltham Rambler recognized. B. R. Cant & Sons, of Colchester, have likewise had an award for their somewhat similar Blush Rambler. Both of these are rampant, vigorous rambler roses, producing huge free clusters of large, open, single pink flowers, with a pale or white center. Both have a place.

DOUBLE TUBEROUS BEGONIAS.—Our growers have reached a high state of perfection with these, and the leading cultivators are Blackmore & Langdon Tiverton Hill, Bath; B. R. Davis & Sons, Yeovil; Ware, Ltd., Feltham, Middlesex, and John Laing & Sons, Forest Hill, London. I can guarantee the merits as seen in England of the following named sorts: Mrs. Moger, salmon-scarlet; Mrs. Portman Dalton, blush-carmine, Mrs. W. P. Neal, white, faintly flushed blush; and Sir Thomas Lipton, orange-scarlet; all of which have been shown by Blackmore & Langdon. A pure white, fringed edge single, named Lady Horne, from Laing & Sons, is a beauty.

The name of Bull's stock mentioned in my last notes, is White Excelsior, and seeds sell at 3s. 6d. per pound; 70 per cent. are guaranteed to come good doubles. J. HARRISON DICK.

Foley Floral Fotographs
Send for my Floral Album size 12x11, containing 24 different funera designs. Sent to any part of the country by express, $7.00 c. o. d.
226-226½ BOWERY, NEW YORK
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Plumosus Nanus
All sold out of 2¼-3½ and 4 in. sizes, but still have a fine lot of good, strong stock from 3 in. pots left, at $8.00 per 100. Cash with order.
Address JOSEPH TOWELL, Paterson, N. J.
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FERNS AND PLANTS
Ferns. A good variety of the best and hardy kinds suitable for fern dishes, etc., $3.00 per 100.
German Ivy, 2¼ in., $2.00 per 100; 4 in., bu bushy plants, $6.00 per 100.
Geraniums, 4 in., $6 per 100; 2¼ in., $2.50 per 100.
Verbenas, 2¼ in., $2.00 per 100.
We have a large variety of Bedding Plants. Writ us for what you need.
H. WESTON, Hempstead, N. Y.
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ROBT. CRAIG & SON
Roses, Palms, Crotons
...CARNATIONS...
and Novelties in Decorative Plants
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CARNATIONS
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	Per 100
500 Mrs. Roosevelt	$12 00
200 Golden Beauty	6 00
200 Viola Allen	6 00
1000 Harry Fenn	8 00
1000 Alpine Glow	10 00
250 Gaiety	6 00
100 Marshall Field	10 00
200 Penelope	8 00
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FERN SPORES, gathered from our own stock, 30 cts. per trade pkt; 10 pkts., $2.50.

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Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

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At cost price. To clear out stock.

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Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and **Belmoreana,** from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

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All plants propagated from single eyes, and now ready for a shift. These are the only sizes profitable to buy at this season of the year.

3 in., $2.50 per doz.; $15.00 per 100. 4 in., $4.00 per doz.; $25.00 per 100

ADIANTUM CUNEATUM

2 in., $4.00 per 100; $35.00 per 1000. 3 in. $8.00 per 100. 4 in. $12.00 per 100.

KENT PLACE NURSERIES Telephone 8B **Summit, N. J.**

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Our specialty, 2½ in., $3.00; 3 in., $4.00; 4 in., $8.00; 5 in., $15 00; 6 in., $25.00 per 100. Fine stock.

ROSES, 2½ in., Bride and Bridesmaid, $2.50 per 100.

GERANIUMS, E. H. Trego, 2½ in., $6.00; 4 in., $10.00 per 100.

TOMATO PLANTS, Transplanted, 40c. per 100; $1.75 per 1000.

ENGLISH IVY, 2½ in. and 4 in., $3.00 and $6.00 per 100.

BOSTON FERNS, 5 in., $25.00 per 100.

J. H. BORNHOEFT, Tipton, Ind.

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ORCHIDS

Our stock of established and freshly imported Orchids this season is exceptionally fine. Also a full line of Baskets, Peat and Moss for Orchids of best quality.

Write for prices.

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Orchid Growers and Importers.

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A FEW GOOD THINGS YOU WANT

I still have a full line of Plants for late planting or stocking up.

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 6 and 8 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and **Forsteriana,** 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $8.00 per 100.
Asparagus Sprengeri, 3 in., $5 00 per 100.
Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25 00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, Bonnot, Frances Perkins, 2 in., $2.50 per 100; 3 in. pots, $5 00 per 100.
Gladiolus Bulbs, good mixture, 50c. per 100.
Pansies, ready to bloom, $1.00 per 100.
Cannas, 3 in., $4.00 per 100.
Verbena, Scarlet Sage, Petunia, Coleus, mixed; **Ageratum,** blue and white, **Lobelia, Achyranthes,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

If you want the best paying crop that you can plant for Summer, plant

THE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The demand has been so great and our advance sales so large that we have not offered it recently, having only just completed filling our advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. **Now is the time to invest** in it and get the benefit of the tremendous demand and good prices which are sure to prevail another season.

The **BOSTON FERN,** although it has been cultivated many years, is still scarce As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there wil be no change in price this season.

We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

Quick Profits. Low Prices.

THE

ANNA FOSTER FERN

THIS Fern is fast growing in popularity. There is no other Fern grown which will return the profit so quickly. Being a female frond plant it reproduces faster than any Nephrolepis yet introduced. The price is so low the buyer is sure of large profits. The $20.00 per 100 plants will make $1.00 and $2.00 plants by Fall.

A Fern once seen is sure to sell. I am now ready with as fine a lot of plants as were ever offered.

3 in. pot-grown, $20 00 per 100. Plants from bench for 5 in., $6.00 per doz.; for 6 in., $9 00 per doz. Plants in pots, 6 in., $12 00 per doz; 7 in., $24.00 per doz.; 8 in., $36.00 per doz.; 9 in., $4 00 each; 10 in., $5 00 each.

These are beautiful plants for immediate sales. The call for large plants in New York, Chicago and other cities has been such that I have been unable to fill my orders since January 1st until this month. These plants are grand for Summer decoration.

Also Now Ready

20,000 BOSTON FERNS

$25.00 per 100. Cut from bench.

I hope to have 100,000 small Bostons for Summer delivery, $5.00 per 100; $40.00 per 1000. Book your orders early. Bostons will be in great demand for next season. Pot plants now ready. 6 in., $6.00 per doz.; 7 in., $9.00 per doz.; 8 in., $15 00 per doz.; 9 in., $24.00 per doz. Larger plants, 10 in. and 12 in., on application.

Also

10,000 KENTIA PALMS
10,000 ALTERNANTHERAS

2¼ in., $25.00 per 1000.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention the Florists' Exchange when writing.

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A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in general

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ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

Contents.

PAGE
American Peony Society............ 673
American Pomological Society...... 672
Annandale (N. Y.) Rose Show...... 676
Azaleas, Sander's Prize (Illus.)..... 675
Briefs for Busy Florists............ 674
Canadian News..................... 665
Carnations Planted in 1903.......... 674
Changes in Business................ 673
Exhibitions 676
English Horticultural Notes........ 670
Firms Who Are Building............ 673
French Roman Hyacinths........... 662
Gypsophilas 674
Horticultural Trials and Bliss (Poetry) 672
Lily Crop Japan..................... 662
Market, Review of.................. 677
New Greenhouses at Secaucus, N. J. (Illus.) 676
New York Florists' Club........... 675
Nursery Department................ 664
OBITUARY:
  George Hancock.................. 672
Plants, Rare, at Ghent Quinquennial (Illus.)..................... 675
Primula Farinosa (Illus.)............ 674
Primula Scotica (Illus.)............. 674
Question Box........................ 673
Reflections on Current Topics...... 672
Roses, Cultivation of Outdoor...... 678
Seed Trade Report.................. 661
SUPPLEMENT:
  Avenue of Norway Spruce........ 672
Sweet Pea, Statistics of............. 662
TRADE NOTES:
  Boston, St. Louis, Orange, N. J... 665
  Buffalo, Hartford, Philadelphia... 676
  Indianapolis 677
  New York.......................... 680
  Cincinnati, Pittsburg, San Francisco 682
  Chicago, Kansas City, Montclair, N. J.......................... 683
  Worcester, Mass................... 685
World's Fair Notes.................. 662
World's Fair Palace of Horticulture 675

Of the 500 flower stands in the metropolis, says the New York Sun, the average stock amounts to $100 and the stand itself to $50. Seventy-five thousand dollars is invested in these stands and their wares, which are looked after by 1,000 men.

The El Paso County Horticultural Society, of Colorado Springs, Colo., is considering the matter of erecting some sort of permanent memorial to its late president, H. C. Harris, whose death was recently chronicled in these columns.

THIS WEEK'S SUPPLEMENT.

Avenue of Norway Spruce.

The sight of single specimens of Norway spruce is a common one, and hedges of it can be found on all old estates, but rarely are avenues of the trees met with, especially of the character of that on the W. W. Phelps' estate, at Teaneck, N. J., which our illustration represents. These trees line both sides of a fine road leading to the ruins; and the avenue is a source of much interest to all who see it.

It is sometimes objected that these evergreen lined avenues are unnatural and out of place. I have seen them too formal in appearance, on small places, but on estates, where roads run for miles, they are entirely in keeping with nature. I know of a forest of hemlock not far from Philadelphia, now embraced in a park, in which a road has been laid out through the trees, and, save the rocks and little underbrush here and there, it looks no more wild than does this avenue of Norway spruce. It would be a shady drive through it in Summer and a comparatively warm one in Winter.

Donald Matheson, the gardener on the Phelps estate, gives the date of the planting of these trees as in 1880. They were then little fellows, but 18 inches high. Now they are 45 feet on an average.

Anyone passing through this avenue, or any avenue of these trees, will find a great diversity of character in them—some of very luxuriant growth, some of almost weeping character; and, if in Spring when they are pushing out their buds, some far earlier than others. Experts say the ones that push early are the handsomest specimens in the end, making a more luxuriant growth than the others.

Referring to the height of these avenue trees when planted, 18 inches, though a little larger could have been planted as safely, there is no denying that far better results are obtained from the planting of small-sized trees than large ones. JOSEPH MEEHAN.

American Pomological Society.

All indications point to a largely attended and important meeting of the American Pomological Society at Horticultural Hall, in Boston, September 10-12 next. An interesting program is assured, as many of the leading horticulturists of the United States and Canada have already given notice of their intention to be present and participate in the proceedings, thus giving to the discussions that broad international character for which the meetings of this society are noted. Reduced rates will be given by the railroads and the opportunity should not be neglected by any horticulturist who can possibly reach Boston.

The new plan for ad interim examination of new fruits entered in competition for the Wilder medal, which is now in effect, is arousing very active interest among fruit growers. Under this plan the originator, discoverer or introducer of a new variety is given the opportunity to submit specimens of his production to a jury of competent and disinterested experts for examination, whenever the fruit reaches the proper stage of maturity. These experts make a careful examination of the varieties submitted to them and make a report upon each to the committee of awards, in advance of the biennial session of the society. Originators in remote sections of the country are thus afforded an opportunity to compete for this highly esteemed trophy on equal footing with those residing near the meeting place of the society and regardless of the time of year when their varieties mature. Competition is not restricted to members of the society, but is free to all, no entry fee being required. This plan was made public by the executive committee of the society in April, and already some thirty new sorts, comprising varieties of strawberry, raspberry, sand cherry, grape, peach, plum, pear, apple, loquat and pecan have been entered for examination. These are from widely separated climatic regions, representing eleven States, territories and provinces. Specimens of them are now being examined by the proper subcommittees as they mature. Entries of other new varieties may be made at any time.

Obituary

George Hancock.

George Hancock, senior member of the firm of George Hancock & Son, Grand Haven, Mich., died Saturday morning, June 6. He had been in poor health for the past year.

Mr. Hancock was born in Devonshire, Eng., April 27, 1818. He married in England. Mr. and Mrs. Hancock came to New York in 1849. They went to Michigan in 1865, settling at Spring Lake, where he became engaged in the lumbering business. He moved to Grand Haven in 1877 and had been a resident of that city ever since. Mr. Hancock had always led an active life and was always prominent in carrying forward any enterprise that might be to the improvement of the community. He was one of the first men in Michigan to introduce the cultivation of celery in that State. His first experiments with celery were made as early as 1866.

On account of poor health and the consequent necessity of an outdoor occupation, Mr. Hancock took up the business of raising fruits and vegetables in 1872. Later he added the floral department to his establishment and his success in these lines was remarkable. For years he had been associated with his son, James G. Hancock, under the firm name of George Hancock & Son. The firm was greatly interested in carnation growing and introduced into commerce several new varieties.

The deceased's character and integrity were above reproach and he held the confidence and esteem of all who knew him. His wife died on January 31, 1894. He is survived by his son, James G. Hancock, his daughter, Mrs. Frank C. Bury, of Detroit, and seven grandchildren.

The funeral was held from the late residence on Washington avenue Monday afternoon.

Horticultural Trials and Bliss.

Lo! the commuters, at this time of year,
  Be-parcelled and distracted as of yore,
Like hunted hounds their visages appear,
  E'en as in Winter, maybe somewhat more.
'Tis true the furnace needs no shaking up,
  Nor midnight journeys to the cellar door,
Which fills with woe the tired commuters' cup,
  As they traverse the cockroach-sprinkled floor.

Yet there are Summer woes, and rabid ire
  Possesses those wan, pallid folk to-day
Who plod at morn and eve their native mire,
  At some "ville" in Long Island or N. J.
Nocturnal rambles of the Winter past
  Have left of misery a vivid trace,
And one might well assume a peaceful cast
  Of countenance would dwell upon each face.

Ah, no! Still nervously they rush about,
  Consumed with envy and with jealous mien,
To see if Smith's tomatoes are a-sprout,
  To note the hauteur of his butter bean.
Suburban bliss consists, when 'tis attained,
  Of sitting on piazzas in a group,
Rejoicing that for weeks it has not rained
  And that one's neighbors' peas are in the soup.

Small matter how your products may proceed,
  So long's the others' wither, pall and fade,
Watch for his verdure growing brown, with greed,
  Gloat o'er the caterpillars' daily raid.
Then on his railings lean with cynic smile,
  What time he wallows in this ill-grown truck,
And with a voice attuned to stab and rile,
  Cheerfully murmur: "What, once more no luck?"

—C. F. R., in New York Herald.

A Card

Mrs. Edith A. Withers thanks the members of the New York Florists' Club for their expression of sympathy on the death of her late husband, James W. Withers.

June 7, 1903.

Reflections on Current Topics.

MR. EDITOR: As that mulish topic appears to interest some of your readers, kindly afford me space for one more reflection on what has appeared in your columns on the subject. I accept John G. Esler's nomination to form one of the proposed hinny quartette. Fortunately, I am eligible, having been classified heretofore by "Lastman" in the genus Equus var. asinus. As an S. A. F. convention innovation, allow me to suggest that the poet laureate of the craft be asked to contribute a lyric to be entitled "Only a Peony Blossom," with hee-haa accompaniment, to be brayed by the quartette for the delectation of the delegates to Milwaukee; followed by an original recitation by Rudd on "Asses I have known; or when is a committee not a committee?"—the effervescence of the ginger jar. This entertainment to occur in the program after the secretary has read his report on Japanese peonies "registered provisionally until March 23," and evidently still waiting final adjustment.

⁂

John Birnie's interesting communication further convinces me that I am out of the running for that bowling contest. I rest satisfied, and rejoice accordingly. I see Mr. Birnie is still afflicted with what De Quincey designates anagnorisis regarding my personality. If that "flea" were as lazy and accommodating as its relation that stimulated the Scotchman's benediction for the Duke of Argyll, John's thumb might be broad enough, and his patience enduring enough to effect its capture; but being a mule of another color, it remains as elusive as the settlement of the essay question, according to "E. L.'s" ideal.

⁂

The long-looked-for book, "The American Carnation," has at last materialized, and, having procured a copy, I have been interested in the various reviews of it that have appeared in the trade papers. These reviews in general must be very gratifying to the author, as well as to the publishers. No book written was ever perfect, and a "damning with faint praise" is sometimes due to the disposition and present state of mind of the critic—who through a misconception of his ability, or the lack of it, "drops the substance in his effort to catch the shadow," as Spencer says—more than to flagrant inherent defects in a work. I am led to reflect thusly on reading what purports to be a criticism of Mr. Ward's book in one of your Western contemporaries, more particularly those portions of it which make mere bald assertions without specification in support thereof. One wonders, too, why adverse comments on "Scott's book," should be dragged into a criticism of "Ward's book," neither of which has any relation to the other! This looks like a "dirty insinuation," purposely planned in order to be noxiously nasty! The author of the criticism in question appears to have been imbued with the spirit of the splenetic individual who wailed, "Oh, that mine enemy would write a book!"

A humorous part of the criticism occurs when the critic, who complains of "careless writing" in Mr. Ward's book, employs such bunkum in his own production as "somewhat daring methods of thought," etc. That reminds me of the author of a Chrysanthemum Annual who once told the public that John Thorpe had "brusque yet kindly features." The glass houses story should never be forgotten by reviewers.

However, the critic entirely voices my sentiments when he says: "The book is one which every grower must have."

⁂

I continue my "ponderings over pages of forgotten lore," and though not a "current topic" am led to remark: Has it ever occurred to the general reader how much American horticultural literature owes to the English institution named "Kew"? That establishment is the alma mater of many of the old-time and present contributors to the trade and other class papers. (That does not infer the writers are to be included in Birnie's category of those now "who do not know so many things that ain't so."). In a list of "old Kewites" that recently came under my eye I observe the following familiar names, that often have appeared here as those of the authors of articles on horticultural topics:

Michael Barker, who left Kew in 1884, a writer on insect and plant subjects, author of a book on chrysanthemums and now editor of one of your contemporaries. Robert Cameron, the curator of the Botanic Gardens at Harvard, Mass., an interesting writer on gardening subjects; left Kew in 1887. Edward J. Canning, curator of the Botanic Gardens, Smith College, Northampton, Mass., left Kew in 1887, an occasional contributor to the trade papers. William Falconer, than whom no man is better known to former readers of horticultural journals, through his numerous writings, author of a book on mushroom culture, formerly editor of Gardening when it was an original paper, recently superintendent of Schenley Park, Pittsburg, and now in charge of a large cemetery in Allegheny, Pa. Mr. Falconer left Kew in 1872. David Foulis, now deceased, left the institution in 1855—a writer on golf, curling and plant topics. Theoph. D. Hatfield left Kew in 1878, now in charge of the famous Hunnewell Gardens near Boston, an authority on chrysanthemums and a versatile writer on plants generally. Ernest Hemming, whose notes on herbaceous and other plants appear often in current horticultural literature. He left Kew in 1891. Fred. Goldring, a florist, of Albany, N. Y., a contributor on orchids, left Kew in 1879. James Gurney, the well-known curator of the Botanic Gardens, St. Louis, Mo. James McPherson, Trenton, N. J., who is contributing a series of articles on the geographical distribution of plants to Park and Cemetery; he left Kew in 1864. The late lamented Thomas Meehan, of Germantown, Pa., left Kew in 1848. His work in and for American horticulture remains an enduring monument to him. Lastly, William R. Smith, "to whom the nations turns for what is best in botany, and what is best in Burns," curator of the National Botanic Gardens, Washington, D. C.; left Kew in 1852.

These are some of the Kew men whose writings adorn the pages of our trade papers, ancient and modern; and who will say that they have not done much to advance the art in America?

My only regrets on conning the pages of that English pamphlet were that, not emblazoned there were the cognomens of E. L., the ginger jar man, W. S., Ivera, J. Austin Shaw and others in the United States afflicted with Cacœthes scribendi, including JOB.

Job's Identity.

Editor Florists' Exchange:

I know you will set me down as an old ass (or a mule) for presuming to write opinions to your valuable paper from such a wayback town as this, but I have been so taken up lately with the reflections of Job, and the efforts that some other writers have been putting forth to identify that namesake of the patriarch, that I thought I would put in my oar and settle the whole matter.

When I was in New York a few weeks ago, one of your big-bug florists invited me to attend the club meeting with him. Says I, "I don't come to your town often and I have made up my mind to go and see the waxworks in the Eden Musee, and, unless there is something very attractive going on at your club, you can count me out."

"Well," says he, "we shan't have any wax figures on exhibition at the club, but I heard that Job was coming to the meeting, and, you know, Job would knock the spots out of any wax figure."

Says I, "You fellows down here are all barking up the wrong tree. Job would not live in New York rent free. He's a Buffalo man. Why, I sized up his writings a long time ago. You may fool me on dyed carnations, but you can't do it on newspaper writers. Job is a Buffalo man and I know it. See how he tackles every subject that comes up, and does it in good shape, too. Who but Buffalo's only author would be able to handle every topic in such a masterful style? No, your club meeting may be all right and lively, but excuse me this time. I must see the waxworks," and I did.

We haven't got a florists' club here in Herkimer, the town is hardly big enough for that yet. There are only a few of us in the business here, and we could get along with less I think, but I don't want to be personal.

The weather is fearfully dry up here and I suppose you are thinking by this time that the weather is not half as dry as my writing, so no more at present.

H. A. SEED.

Herkimer, N. Y.

American Peony Society.

The organization of the American Peony Society was completed at Detroit, Thursday evening, June 11.

Thirty-six members voted to incorporate under the New York State laws. Officers elected were: President, C. W. Ward, Queens, N. Y.; vice-president, Guy A. Bryant, Princeton, Ill.; secretary, A. H. Fewkes, Newton Highlands, Mass.; treasurer, J. H. Humphreys, Philadelphia. Executive committee: President, vice-president, secretary and treasurer, ex-officio, and C. S. Harrison, York, Neb.; E. A. Reeves, Cleveland, Ohio, and William A. Peterson, Chicago. Nomenclature Committee: William A. Peterson, C. J. Malloy, Rochester, N. Y.; John A. Charlton, Rochester, N. Y.; J. F. Rosenfield, West Point, Neb.; A. H. Fewkes. Exhibition Committee: Guy A. Bryant, E. A. Reeves, James Wheeler, Brookline, Mass. Press Committee: C. Betscher, Canal Dover, Ohio; C. S. Harrison, J. H. Humphreys. The date of the next meeting is to be decided by the directors.

A. H. FEWKES,
Secretary A. P. S.

CHANGES IN BUSINESS.

NORFOLK, VA.—The Norfolk Floral Company will engage in business here.

We are advised by W. W. Ronsinger, Montezuma, N. C., that W. A. Davis & Co., Marion, N. C., have dissolved.

OXFORD, PA.—George Sagers has bought of Joseph Philips the store property and greenhouses at Lombard, Md., for $3,000.

MONTPELIER, VT.—E. Jacobs has sold his greenhouse and business to Emslie Bros., of Barre, and gives possession of the same July 1.

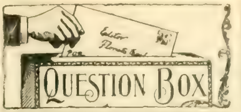
NEWTON, N. J.—Messrs. William M. Reider & Brother have purchased and will operate the greenhouse establishment of the late H. W. Merriam, at 8 Union place. A new greenhouse is in course of erection, and another is contemplated next Fall. Roses and carnations will be specialties.

STONEHAM, MASS.—Nelson Parker has sold his estate No. 10 Pomeworth street, consisting of a 9-room house, 32,000 square feet of land, two large greenhouses and all sashes, tools, etc., to James H. Delay, of Somerville, who will make extensive improvements and enlarge the greenhouses. The property is assessed on $5,500.

DAVENPORT, IA.—Articles of incorporation have been filed for the Iowa Bird Company. The general business of the company will be to deal in birds of the songster variety, in cages and other accessories, and also to deal in flowers, seeds, flower pots and garden accessories. Furthermore, they will deal in curios, aquarium fish and aquarium supplies. The capital stock of the corporation is $10,000 and the highest amount of indebtedness to which the concern may become liable is $1,000. The principal place of business is in this city. The following are the incorporators and officers of the company: President, P. W. Madden, general manager, T. G. Rickman, secretary and treasurer, G. E. Madden.

SAN JOSE, CAL.—A corporation has been formed in this city to develop the immense resources of the Santa Clara valley as a seed growing and distributing center. The concern will be known as the Charles C. Navlet Company, and its incorporation papers have been filed under that name. The purposes set forth in the incorporation papers are to buy and sell seeds and bulbs, to grow the same, to manufacture floral supplies, wire goods, and be wholesale dealers in fertilizers, both vegetable and chemical. The capital stock is $50,000, all subscribed. The directors are Charles C. Navlet, who is also president and manager; C. P. Braslan, of the Braslan Seed Growers' Company, vice-president; M. M. Stafford, secretary and treasurer; E. G. [illegible], of the Model Clothing House, and W. J. Boschken, of the Boschken Hardware Company.

Into the company has been merged the entire interest of C. C. Navlet, who for many years has conducted a floral and seed house here. To the several hundred acres of seed land he controls will be added a greater area devoted to the same purpose, the manufacturing plant in the Bothell block on San Carlos street, and other valuable assets. The company has secured 14 acres near this city to raise plants for mail orders.



Summer Treatment of Steam Boilers.

(125) H. L. J.—Let the boiler remain full of water all Summer. Should the boiler not have been emptied for some time and there is any likelihood that the water has become muddy, it will be best to draw off the water and fill the boiler.

Mrs. Frances Joost Carnation.

(126) A. B.—The originator of Mrs. Frances Joost carnation is Chris. Besold, of Mineola, N. Y. The flower, we believe, was named in honor of an estimable lady of that name.

FIRMS WHO ARE BUILDING

ANN ARBOR, MICH.—James Goodlew will erect a rose house 22x120 feet.

DAVENPORT, IA.—John Kay, florist, is building a home on Locust and Clarity streets.

GLOVERSVILLE, N. Y.—R. E. Locher is erecting a large greenhouse on his property on North Main street.

INDEX OF ADVERTISERS

Agnew P J.........666
Allen J K 681
Amling E C 683
Anderia Nurseries ..663
Anderson & Christensen 671
Aschmann G..... 664
Atlantic Coast Nurseries 668
Austin H.......... 663
Bader J..........671
Baker W J 682
Bassett & Washburn 679
Bayersdorfer H & Co 686
Beach Jas E........679
Beaulieu H.........661
Beckert W C... 661
Berning H G... 683
Berger H H & Co 661
Blaauw J & Co 663
Black Chas..........663
Blue Hill Nurs ... 663
Bobbink & Atkins 659
Bock W A...... 668
Bonnot Bros 681
Bornhoeft I H 671
Boston Letter Co 684
Bradshaw & Hartman 681
Brainard D W 664
Brant & Noe........679
Brenneman J D ..679
Brown Bros Co ...663
Brown E C & Co . 684
Brown P 662
Buettner Emil 679
Burpee W A & Co 662
Byer Bros 666
Caldwell the Woodman 680
Cal Carn Co 662
Campbell A B.......667
Carmody J D.. 686
Chicago Carn Co ..670
Chinnick W J 664
Clifford F H...... 664
Clucas & Boddington 659-67
Coldwell Lawn Mower Co 686
Collins Thos 680
Conard & Jones Co 667
Connell B .. 667
Coolidge Bros 678
Cottage Gardens .. 670
Cowee A 661
Cowee W J .684
Cowen's N Sons 685
Crabb & Hunter 666
Craig R & Son 670
Crooke J J Co 680
Crowl Fern Co 680
Cunningham J H 666
Cut Flower Ex .681
Davis A B & Sons 662
Deamud J B ... 683
Deming Co 685
Dietsch A & Co 680
Diettrich C P & Bro 664
Diller Caskey & Co 685
Dillon J L 679
Dillon Greenhouse Mfg 684
Dimmock A 671
Dorner F & Sons Co 670
Dreer Hy A 661 85
Dumont & Co 682
Eichholz H ... 666 78
Eisele C 686
Eisele J G 678
Eisele W G .. 663
Elizabeth Nurs Co 663
Elliott W & Sons 660
Elliott W H 679
Emmans Geo M.....671
[illegible] Van Ness & Co 663
Esler J G 686
Farquhar R & J Co 666
[illegible] A J .. 680
Felthousen J E 666
F & F Nurseries 663
Foley J J .. 670
Foley Mfg Co 684
Foster L H 666 71
Frith C A V 660
Florist Hall Assn ..686
Garland G M 684
Germain Seed & Plant Co 661
Ghormley W 681
Giblin & Co 684
Gunther W H.......681
Guttman A J. 681
Haerens Bros 671
Hagenburger C 667
Hammond J A 681
Harris E 666
Hayden Joel G. 660
Heacock Jos 671
Henderson P & Co 668
Herendeen Mfg Co 685
Herr A M. 666
Herr D K 666
Herrmann A. 686
Herzog W S .664
Hews A H & Co 684
Hicks & Crawbuck 681
Hilfinger Bros 680
Hill E G & Co 683
Hillborn W T ..679
Hippard E 684
Hitchings & Co 686
Holton & Hunkel Co 683
Horan E C .681
Hor'l Advertiser 684
Howe J H .680
Hughes G J 666
Hunt E H 683-84
Igoe Bros 670
Jackson J H .685
Jackson & Perkins Co 661
Jacobs S & Sons 685
James R H 662
Jennings E B 662
Jessamine Gardens 663
Johnson & Stokes 661
Jones H T 662
Joosten C H 678
Kasting W F 682
Kent Place Nurseries 671
King Cons Co ...686
Kuehn C A 668
Koster & Co 663
Kreshover L J 680
Kroeschell Bros Co 686
Lager & Hurrell 671
Lakeview Rose Gardens 668
Landreth D & Sons 662
Lang J 681
Langjahr A H 681
[illegible] 664
[illegible] 666
[illegible] 684
Livingston Seed Co 684
Lockland Lum Co 685
Lord & Burnham Co 685
Lovett J T 663
Mader P 666
[illegible] Sup Co 668
Mathews G P 678
[illegible] W A & Sons 662
McCarthy N F & Co 682
McFadden E C 680
McManus J 681
Michell H F 661
Moninger J C Co 686
[illegible] 678
Moon S C 663
Moon Wm H Co 663
Moore Hentz & Nash 681
Mosbaek L 666
[illegible] 683
[illegible] 679
[illegible] 684
[illegible] 667
[illegible] 666
N Y Cut Flower Co 681
[illegible] 682
[illegible]
[illegible] 682
[illegible] 681
[illegible] 680
[illegible] 684
[illegible] 678
[illegible] 666
[illegible] 659 71
[illegible] 679
[illegible] 686
[illegible] 667
[illegible] 682
[illegible] 685
[illegible] 684
[illegible] 661
[illegible] 682
[illegible] 679
[illegible] 685
[illegible] 680
[illegible] 681
[illegible] 670
[illegible] 666
[illegible] 671
[illegible] 664
[illegible] 681
[illegible] 671
[illegible] 663
[illegible] 681
[illegible] 660
[illegible] 671
[illegible] 679
[illegible] 670
[illegible] 667
[illegible] 663
[illegible] 662
[illegible] 681
[illegible] 681
[illegible] 668
[illegible] 685
[illegible] 681
[illegible] 680
[illegible] 663
[illegible] 662
Saltford G 666
[illegible] 664
[illegible] 678
[illegible] 661
[illegible] 663
[illegible] 664
[illegible] 678
[illegible] 684
[illegible] 679
[illegible] 684
[illegible] 681
[illegible] 661
Vaughan's Seed Store 660-61
[illegible] 663
[illegible] 664
Vincent R Jr & Sons 667 78
Weber C S & Co 684
Weber H & Sons 678
Weeber & Don 662
[illegible] 682
[illegible] 670
[illegible] 684
[illegible] 663
[illegible] 663
[illegible] 682
Wood Bros 667
Young J 681
Young & Nugent 681
[illegible] 663

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS

Abutilon 659 78 86
[illegible] 663
Achyranthes 667 71
Ageratum 664 66 67 71
[illegible] Plants 663
Alternanthera 664-66-67 71
Alyssum 659 66 71
Ampelopsis 663-79
[illegible] 667
[illegible] 686
Aquatic Plants 661
Araucaria 659 64 67 71
Asparagus 664 66 67 70 71
Aspidistra 659
Asters 661 66
Azaleas 663-71
Bedding Plants 664-66
Begonias 664 66 71
Berberis 663
Bouvardia 686
Box 659 [illegible]
Bulbs (not named) 660
Caladium 659 63 66 67
[illegible] 660 61
[illegible] 664
Callas 660 61 62
Cannas 659 61 64 66 67 70 71 78 86
Carnations 666 70
Centaurea 664 66 78
Chrysanthemums [illegible] 66 79 86
Cinerarias 660 61
Cissus 661
Clematis 662 64 79 86
Cobaea 664 86
Coleus 664 66 67 70 71 78
Conifers 663
Coreopsis 663
Costus 666
Crotons 664 70
Cuphea 667
Cut Flowers 681-82 83
Cycas 660-61-78
Cyclamen 666
Cyperus 664
Daffodils 662
Dahlias 659 62 78
Daisies 659 60 61
Decorative Plants 671
Delphinium 663
[illegible]
[illegible] 663 66
[illegible] 659 64 66 71 86
[illegible] 686
Evergreens 663
Ferns [illegible] 659 60 61 78
[illegible] 664 66 70 71
[illegible] 667
[illegible] 659 61
[illegible] 661
[illegible] 659 64 66 67 78
[illegible] 659
[illegible] 663
[illegible] 659
[illegible] 667
[illegible] 659 61 64 66 67 70 71
[illegible] 661 66 71
[illegible] 663
Heliotrope 664 66 67 71
[illegible] 663
[illegible] Plants 663
[illegible] 664
[illegible] 664
[illegible] 660
[illegible] 659 63 67 86
[illegible] 664
[illegible] 667 86
[illegible] 667
[illegible] 659 64 66 67 70 71 86
[illegible] 664 86
[illegible] 664
[illegible] 66
[illegible] 659 [illegible] 61 62
[illegible] 664 71 86
[illegible] 667
Marigold 664
Mignonette 660 61 66
Moss 659
[illegible] 686
[illegible] 660 62
[illegible] 664
Nursery Stock 663
[illegible] 664
Orchids 671
Palms 659 60 61 70 71
Pansy 662 66 71
[illegible] 663
Pelargoniums 667
[illegible] 663
Petunia 664 67 71
Phlox 659
Plumbago 664
Primula 660 61 62 66
Privet 662
Pyrethrum 661 64 66
Rhododendron 663 71
Roses 659 62 [illegible] 64 67 70 71 79
Rudbeckia 663
Salvia 661 64 66 67
[illegible] 663
Sedum 666
Seeds (not named) 662 6[illegible]
Shrubs 662
Small Fruits 663
Smilax 659 61 66
Spiraea 663
Stevia 666
[illegible] 678
Sweet William 668
[illegible] 664
Tradescantia 664
Trees 659 60 62 63
[illegible] 686
Tuberoses 659 61
Vegetables 662 63 64 66
Verbena 659 60 66 67 70 77
Vines 659 64 66 71 79
[illegible] 662 69
Violets 664 66 67 86
Wistaria 663
Yucca 663

MISCELLANEOUS

[illegible] 664
[illegible] 682
Baskets [illegible]
Boilers 684 85 86
[illegible] 659 70
[illegible] 680
Cut Flower Boxes 684
[illegible] 680
[illegible] 682 86
[illegible] 668
[illegible] 682 84
[illegible] 685
[illegible] 680 82 83 86
Flower Pots, etc 680 84
[illegible] 680
Glass 684 85
Glazing Points 684
Greenhouse Bldg 684 85 86
[illegible] 684
[illegible] 680
[illegible] 684
[illegible] 686
Lumber 684 85 86
[illegible] 684
Mushroom Spawn 661
[illegible] 684
[illegible] 684
Printing [illegible]
[illegible]
[illegible]
Rustic Work [illegible]
[illegible] 684 85
[illegible] 684 85
Stakes & Supports [illegible]
[illegible]
Tinfoil [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] 682

BRIEFS FOR BUSY FLORISTS.

FERNS. Young stock of Boston Fern, to be grown on for next Winter's work, will make better plants if planted on a bench in the greenhouse, than it will if grown in pots right through the Summer. Three or four inches of soil in the bench is plenty deep enough for the plants, and the young plants should be placed far enough apart so that they will have room to grow and not get crowded before the beginning of September, when it will be time to lift and pot them.

The new fern, Nephrolepis Piersoni will no doubt thrive well under the same treatment, and as there will undoubtedly be a big demand for specimen plants of this novelty, it will pay to plant it on the benches and grow it carefully, avoiding all undue forcing and unnatural conditions until we become better acquainted with its requirements.

ARAUCARIAS.—When these are grown in quantity, it is preferable to have them in a lath house during the warm months. If such a house be not available, the next best thing is to put the araucarias out doors, and with the aid of a few posts, stretch a piece of canvas over the plants, leaving the sides open. A few inches thickness of ashes should be laid on the ground, on which to stand the pots, then there will be no danger from the drainage becoming clogged.

CYCLAMEN.—These should be out in the frames now and making rapid growth. Shade them from the full force of the sun every day, go over them twice a day and water such as are dry, using the watering pot in preference to the hose pipe. Shift the plants into larger pots as required, never allowing them to become rootbound until they have reached the flowering-sized pots.

Primula Farinosa.

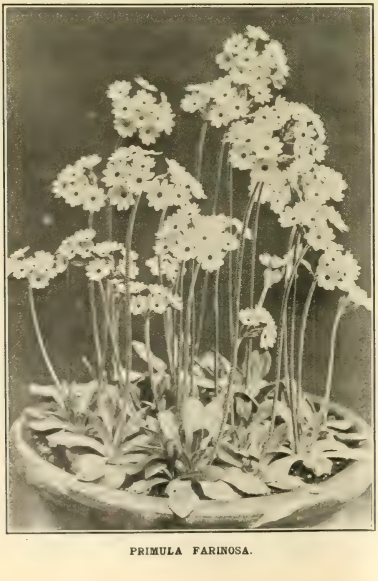
(The Bird's Eye Primrose.)

To the lover of hardy plants the genus Primula gives many gems, and the bird's eye primrose is one of the foremost. Mr. Robinson, in his book on alpine plants, says of P. farinosa: "No sweeter flower holds its head up to kiss the breeze that rustles over the elevated bogs and mountain pastures of Northern England. It is not, however, solely a native of Britain, but is also found in our American flora, being found from Maine to Quebec, and as far north as Greenland."

It is usually found in moist places, where the soil is rich in humus, and so in cultivation it succeeds best when it can get plenty of moisture; but it will not succeed if the moisture is in any way stagnant. The flowers are of a lilac purple shade, with a yellow eye. The flower stalks are slender and usually have a powdery substance on them. The leaves are oblong and arranged in a rosette, from the center of which the flower stalks spring. The under surface of the leaves is like the flower stalks covered with a silvery-looking "meal."

The accompanying illustration is from a photograph of a pan of plants raised from seed. When treated in this way this primula makes a good pot plant.

W. H. WAITE.



PRIMULA FARINOSA.

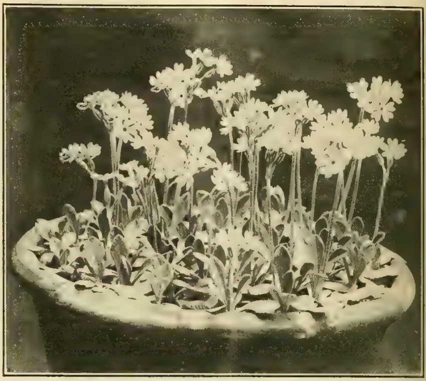
Primula Scotica.

This gem of the British flora is a very near ally to the bird's eye primrose, P. farinosa; in fact, some botanists claim that it is merely a variety; but from personal observation, both in its native state and in cultivating the two plants side by side, I am of opinion that it is distinct enough to be a species. I have never seen it develop the more loose and larger habit of P. farinosa.

One of my hobbies is plant collecting, of which I have many pleasant memories, but none more vivid than when I first saw P. scotica growing in its native habitat in the far north of Scotland. It is a very rare plant, being found only in a few localities and these places are far from the busy haunts of men. The leaves are whitish and covered with a mealy substance on the underside. The flowers are of a rich purple, with a large clear yellow eye, borne on stalks when growing wild which seldom reach more than from one to two inches high, although under cultivation I have seen the flower stalks as long as from four to six inches. The main difference between P. scotica and P. farinosa is the more dwarf and stouter habit of the former. There is also a dwarf form of P. farinosa, namely, P. acaulis. This, although as dwarf as P. scotica, has not the same stout habit. The plant under notice is very difficult to establish in a garden. I have been fairly successful with it, growing it on a piece of sod (it is found in damp pastures), but the best way to establish it is from seed. The illustration is of a pan of seedlings raised by me and grown in a cold frame, the pan being kept plunged to the rim in sand so as to insure an even degree of moisture.

Regarding the raising of hardy primulas from seed, like many other alpines the seed should be sown as soon as ripe; it will thus insure a much better germination than if kept a month or two.

W. H. WAITE.



PRIMULA SCOTICA.

Gypsophilas.

The gypsophilas are a very useful class of plants, good for the rock garden, for the border, and also for cutting. Perhaps the one most generally known is G. paniculata, a very useful adjunct to any florist's garden where decorative material is in demand. Being produced on long wiry stems, the abundant small white flowers are so light and graceful that they can be used in combination with all highly colored blooms, as with their light, feathery sprays they give a mist-like appearance which adds both beauty and grace to any bouquet.

The period of blooming seems to vary somewhat. Usually they flower during July and August, but this season will bring the flowers out in June. They are readily raised from seed, which should be sown in the open in early Spring and the seedlings transplanted the following Fall or Spring into rows or beds as opportunity affords. After this a good annual dressing of manure and keeping the plants clean is about all they require.

G. paniculata compacta is a more dwarf and compact form of the above named.

Two varieties not very generally known are G. Steveni and G. repens monstrosa. G. Steveni, a native of the Caucasus, is a very neat-growing plant, with glaucous green foliage and pure white flowers very much larger than those of G. paniculata, borne in large loose panicles. The flowering stems being nearly 2 feet long, makes it a very useful plant for cutting. It may be associated with other flowers, or used separately. The flowering period is May and June. It is very easily raised from seed, but does not appear to be offered in the trade.

G. acutifolia is very similar to the above.

G. repens monstrosa is quite a new introduction, with foliage and growt very must of the appearance of a ca nation. It must be propagated in th Fall. In early Spring it throws up flowering stem a foot or more high, bu with numerous panicles of good whit flowers equally as large as those G. Steveni, but more numerous, com mencing to flower in early May.

G. Rokejewki is another new-come a tall, coarse-growing variety wit large loose panicles of white flower much later than any of the precedin

G. repens is a lovely plant for th rockery or border. It is of a trailin habit and produces numerous pink an white flowers nearly all Summer.

G. cerastoides is another excelle plant for rockwork. Nicholson's Di tionary of Gardening gives its height 3½ feet, but most dealers in hard plants say it is a low-growing variet Here at Riverton and at Bronx Par N. Y., it is from 6 to 8 inches high, an is an exceedingly pretty plant, wit white flowers veined with red.

All of the above are useful plant They should have good, deep root ru being a very deep-rooted class plants.

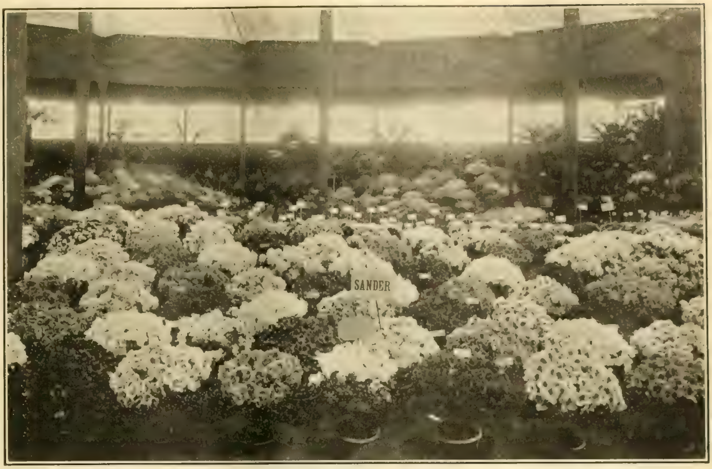
HERBERT GREENSMITH.

Carnations Planted in 1903.

. Crabb & Hunter, Grand Rapid Mich., report as follows: We con menced planting May 1, and finishe May 10. Our varieties are: White- 5,000 White Cloud, 5,000 Flora Hill, 5,0 Glacier; light pink—Morning Glor 5,000, Mrs. Higinbotham 1,000, Genevie Lord 1,000; dark pink—Irene 5,000, Th Marquis 500, Cressbrook, Dorothy, Mr E. A. Nelson 500 each, Mrs. Lawso 4,000; red or scarlet—G. H. Crane 4,00 Mrs. Potter Palmer 500, Estelle 50 crimson—Governor Roosevelt 1,00 General Gomez 200; yellow, variegate —Dorothy Whitney; white variegated Mrs. George M. Bradt 2,000, Gaiety 20 Prosperity 2,000.

Discarded White Daybreak, Hoosie Maid, Mme. Chapman, Alba, Novelt Golden Beauty, General Maceo, an Eldorado. Will try again Harry Fen and J. H. Manley.

Baur & Smith, Indianapolis, bega planting in the field April 25, finish ing the work May 15. They have som 50,000 plants. In white, the favorit varieties are: Flora Hill, Queen Louis Lorna, White Cloud, Alba, Indian Market, John Mitchell, Seedling, He Majesty, Governor Lowndes, Innocenc and Lillian Pond; light pink, Elma Fragrance, Success, Enchantress, Bea trice and Fascination; dark pink, In dianapolis, Freedom, Mrs. T. W. Law son, Mrs. E. A. Nelson, Ethel Crocke President McKinley, Mrs. Theodor Roosevelt and Sibyl; red or scarlet G. H. Crane, America, Adonis, Apollo Mrs. Potter Palmer, The News and seedling; crimson, Harlowarden, Gov ernor Roosevelt; white variegated Stella.



SANDER & SONS' PRIZE WINNING COMMERCIAL AZALEAS AT GHENT QUINQUENNIAL EXHIBITION.

New York Florists' Club.

Notwithstanding the very inclement weather on Monday evening, June 8, a fair attendance of members was present at the regular club meeting. President Troy occupied the chair. After a very full discussion of the subject, those present indicated their preference as to a railroad route to Milwaukee, in the West Shore and its connecting lines, and the committee on transportation was authorized to act accordingly. Invitations were received from Secretary Sullivan, of the Detroit Florists' Club, asking the intending delegates to join the Detroit members and travel with them to Grand Haven, thence across the lake to Milwaukee. The matter was left in the hands of the committee.

A letter was received from Mrs. E. A. Withers thanking the club for the resolutions of sympathy on the death of her husband, James W. Withers, of American Gardening.

The committee appointed to prepare resolutions on the death of F. L. Harris, an honorary member of the club, submitted a report in which they testified to the high personal character, and great ability of the deceased, his self-respect, his love for his fellow-members of the craft and his untold kindness. His professional career should be an example to the younger generation. He built an everlasting monument in the wonderful collection of plants which he had gathered and grown for his employer, and established for himself an enviable fame. He was the truest of friends, one of the foremost gardeners in this country and an ornament to the horticultural profession. A copy of the resolutions was ordered sent to the deceased's family.

Chairman Traendly, of the outing committee, reported satisfactory progress, and had on hand copies of the program of sports, which is a most interesting and varied one. Applications for outing tickets, as well as remittances, should be made early.

Messrs. Lenker, O'Mara and Plumb were constituted a committee of awards to judge some peony exhibits on display.

President Troy appointed as a nominating committee to name officers for the coming year: Messrs. Sheridan, Burns, O'Mara, Plumb, May and Taylor.

It was announced that the bowling fraternity would meet on Tuesday last at Thirty-first street and Broadway for the purpose of getting up a team to represent the city in the Milwaukee contest.

The club adjourned to meet the second Monday in October.

Rare Plants at Ghent Quinquennial.

Our illustration shows a prize group of new and rare plants exhibited by Sander & Sons, of St. Albans, Eng., and Bruges, Belgium, at the recent Ghent Quinquennial Exposition. Some of the plants appearing in the picture are:

Asparagus Sprengeri variegata, a variegated form of this well-known subject.

Saintpaulia ionantha variegata.

Alpinia Sanderæ, a species from New Guinea, with erect stems, ascending, very shortly stalked, glabrous leaves, 4 to 4¾ inches long, ¾ to 1¼ inches wide, rich, shining green, tapering at both ends, regularly striped at close intervals, with broad, white bands diverging from the midrib to the margin.

Heliconia Edwardus Rex, introduced from New Guinea, is one of the most striking of colored foliage plants. It has bold musa-like foliage, with broadly oblong acuminate leaves, pale yellowish green on the upper surface, with a red midrib, and irregular blotches of the same color, the lower surface of a uniform rich crimson. The young leaves are rolled round like a furled flag, so as to show the rich coloration of the under surface.

Polypodium Knightiæ, a graceful Australian fern, with long narrow arching fronds, pinnately divided, with the pinnæ prettily subdivided into linear acute lobes of unequal lengths, and more or less crested.

Dracæna Rothiana variegata, Dracæna Victoria and Ficus pandurata are also included in the group.

PRIZE WINNING GROUP OF NEW AND RARE PLANTS
Shown by Sander & Sons, Bruges, at Ghent Quinquennial Exhibition.

World's Fair Palace of Horticulture

The Palace of Horticulture at the World's Fair at St. Louis is on the summit of Skinker Hill, and is separated from the Palace of Agriculture by 250 feet of model landscape gardens.

The beautiful palace, 400x800 feet in its extreme measurements, is in the form of a cross with a center pavilion, 400 feet square, and two wings, each 204x230 feet. The wings are divided from the center pavilion by glass partitions and the floor of each is 9 feet lower than that of the center pavilion. This difference in elevation produces a monumental effect, which is further heightened by the use in the main entrance on the north front of two towers 150 feet high.

The eastern wing of the building is almost entirely of glass and will be used as a conservatory. A water heating plant is to be installed in the cellar and the pipes are led throughout the wings. Plants will be forced during the Winter and early Spring for outdoor planting, and in the conservatories will be kept tropical plants. At the close of the Exposition many of the valuable plants that would perish from the cold, will be stored therein and kept during the Winter. The glass sides allow the admission of the sun throughout the day. In this wing will be shown specimens of plant cultures grown in different countries for use and ornament, and the forced culture of vegetables and fruits.

The west wing is used for general horticultural exhibits. In the basement of this wing cold storage is provided for the fruit to be exhibited, the cellar having double walls packed with sawdust. In the basement is an unpacking room which will keep the shipping debris out of sight. A gallery is provided on three sides. The west and north galleries will be used as restaurants. Tables will be set so the visitor may observe the exhibits below while at lunch. The gallery is easily accessible by stairs from the center pavilion and from the main floor. The southern gallery will be used as offices for the working force of the Department of Horticulture.

The center pavilion will contain the pomological exhibits, including, according to the classification, pomaceous and stone fruits, such as apples, peaches, nectarines, etc.; citrus fruits, such as oranges, lemons, limes, etc.; tropical and sub-tropical fruits, such as pineapples, bananas, olives, figs, etc., small fruits, such as strawberries, gooseberries, etc., and nuts.

The construction of the building shows no change from the accepted method of the other buildings. The exhibit spaces are covered by trusses, which range in span from 72 feet over the center aisle to 48 feet over the side aisles.

Sander's Prize Azaleas

The accompanying illustration shows the prize-winning azaleas, exhibited by Sander & Sons, of Bruges, Belgium, at the recent Quinquennial Exhibition held at Ghent. The honor won is one of very great distinction as for many years the prize for commercial azaleas has remained in Ghent, this being the first time in a great while the premium has left the "azalea city." The collection included sixty commercial varieties of azaleas, and Sander & Sons are to be congratulated on their great success, which more loudly than words proclaims the merit of the firm's products. We are indebted to Mr. Dimmock for a copy of the picture reproduced.

Annandale (N. Y.) Rose Show.

The thirteenth annual Annandale Rose Show was held on Wednesday and Thursday, June 10 and 11, at Annandale, N. Y. The show as usual was given in a tent on the campus of the college. The patronesses were Miss Cruger, Miss Julia Barton Hunt, Mrs. John N. Lewis, Mrs. Douglas Merritt. Mrs. L. P. Morton and Mrs. Geraldine Redmond. George Saltford, the curator of the show, was ably assisted by Richard Lewis, of Ossining, N. Y., formerly gardener for Miss Cruger. The judges were Messrs. R. W. Allen, John N. May and Patrick O'Mara.

The show improves annually in quality and quantity, and this year it was a distinct advance over previous efforts. Despite the unfavorable season, the rose exhibits were excellent, those from Mr. Archibald Rogers (James Horrocks, gardener), were noticeably fine. Following are the principal exhibits and prize winners:

The group of stove and greenhouse plants from Col. J. J. Astor (H. A. Deal, gardener), carried off first prize. A fine group from Hon. L. P. Morton (Thos. J. Talbot, gardener), unfortunately arrived too late for entry. A specimen adiantum and a standard azalea (Souvenir du Prince Albert), from Col. J. J. Astor were conspicuous features of the show.

A dinner table decorated by H. A. Deal carried off first prize uncontested. No covers were set or chairs placed, and it looked meager, but it was according to schedule. The center-piece was too bulky and too high, a glaring and too common fault in such decoration.

The patronesses' prize—a silver cup—for best twelve vases of roses was won by Mr. Winthrop Sargent (Frank E. Witney, gardener). The silver cup, 1901, for best 24 distinct roses, was carried off by Mr. Archibald Rogers (James Horrocks, gardener), with a fine exhibit. The Peter Henderson & Co. prize was won by Mr. F. R. Newbold (Thomas Bell, gardener), for six vases of roses, six of each variety. Mr. Newbold also received a deserved certificate of merit for vases of roses not in competition.

Mr. Irving Grinnell (John C. Galvin, gardener), was awarded first prize for best vase of Mme. Gabriel Luizet; Col. J. J. Astor being second. First prize for vase of Paul Neyron went to Dr. G. N. Miller (H. Asher, gardener), F. R. Newbold being second.

The medal offered by the American Rose Society for the best general showing of roses was easily carried off by Mr. Archibald Rogers (James Horrocks, gardener). He also won the Cruger prize for the best six vases of blush roses. Several certificates of merit were awarded to Miss Cruger for exhibits not in competition. Mr. Archibald Rogers also carried off first prize for the best twelve roses on boards.

The Dutchess County Horticultural Society offered two prizes for the best collection of herbaceous flowers, first prize being awarded to Mr. Winthrop Sargent (Thomas Bell, gardener). A grand collection from Dr. G. N. Miller (H. Asher, gardener), was disqualified because of the presence of swainsona, roses and sweet peas in the collection. A certificate of merit was awarded to Mr. Warren Delano, Jr. (J. A. Galvin, gardener), for a grand collection of digitalis and campanulas, also for sweet peas and roses.

First prize for collection of vegetables went to Mr. Archibald Rogers and second to Hon. L. P. Morton (Thomas Talbot, gardener). First prize for best three heads of cauliflower, a magnificent exhibit, went to Mr. Warren Delano, Jr. (J. A. Galvin, gardener). A display of wild flowers and cultivated plants also "made up" designs by children was very interesting. The exhibit of plants by amateurs was also very creditable, many well grown plants being noticed.

The attendance was very good and included most of the wealthy residents in the neighborhood.

PATRICK O'MARA.

EXHIBITIONS.

The preliminary schedule of the third annual exhibition of the New Haven County Horticultural Society has been issued. The show will occur November 10-12, inclusive, in Music Hall, 115 Court street, New Haven, Conn. Thos. Pettit, 316 Orange street, is secretary.

Philadelphia.

News of the Week.

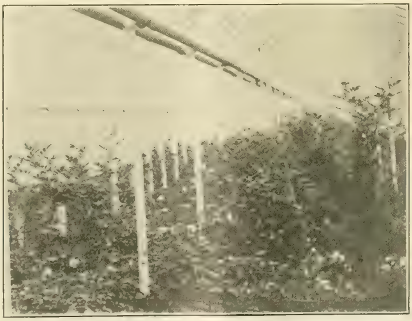
The outing of the Florists' Club to Samuel C. Moon's nurseries, at Morrisville, takes place next Wednesday, June 17. Arrangements have been changed from the previous notice sent out. The program is now to go by steamer Columbia—leaving Chestnut street wharf at 9:30 a.m.—to Bristol, thence to Morrisville by train; returning by same route. As now arranged, a large crowd is expected. Be one of the number, and have a good time.

VIEW OF ESTABLISHMENT OF OTTO GRUNDMANN, SECAUCUS, N. J.

O.B.GRUNDMANN.

William McKissick, of Leo Niessen's establishment, was married on Wednesday to Miss Bessie Chaundy, of Colwyn, Va.

Recently many of the growers have again been going around from store to store with their boxes selling flowers. Several of the commission men report that it is difficult to maintain prices now that this is being done. If it is a fact, it is a great pity that more unity does not exist among the growers for the welfare of all.



INTERIOR OF CRIMSON RAMBLER ROSE HOUSE OF OTTO GRUNDMANN, SECAUCUS, N. J., AT EASTER.

A large number of bedding plants is yet to be seen around—too many for this date. Probably the recent rains may help to move some of them.

A severe thunderstorm visited this city on Wednesday. The rain came down in torrents for fully an hour and a half. There was considerable hail in the central portion of the city, but up to time of writing no reports of damage had been received from growers.

At Garretford, James Verner has a house of rose Kaiserin Augusta Victoria planted for Summer cutting. William Munro, who has the Anderson place, has three houses planted, one with Kaiserin for Summer.

Charles A. Knapp is now doing considerable landscape work. The last operation was a polo field at Whitemarsh.

The Floral Exchange cut 40,000 roses during May from the large house on their place at Edgely, Pa.

The outdoor roses on several private establishments were at their best June 6 to 9. The rose exhibition was, therefore, too early for some gardeners.

DAVID RUST.

Buffalo.

News Notes.

The bedding plant business is enjoying good patronage, despite the complaints of some grumblers, and a scarcity of geraniums for the demands is noted in cases.

Recent improvements among the East Side florists stores indicate a pleasing increase and development of business. Miss Rose L. Reinhard, formerly of 349 William street, has moved one door further west, now occupying a newly-fitted-up corner store of ample width, which includes the finest of plate glass show windows, with the floor tiled. Other fittings are in harmony, and attest to the allied energy of this successful establishment.

Across the way, at 352 William street, is Schoenhut, who owns a good-sized property, recently enlarged by adding growing or supply houses as supplementary to store facilities. Such now include two houses of one hundred feet long, and a third constructing. A miscellaneous stock, besides palms, ferns, etc., and forcing of bulbs here beget attention. A stock of Summer blooming lilies in variety is unusually fine and perfect. While the bulbs were no doubt of good selection, present conditions also attest to the skilled attention of Charles Roesch, the grower in charge, formerly in the employ of William Scott.

George McClure, locally known as a landscape gardener of more than ordinary ability, finds himself fully occupied with plenty of commissions and business right within the confines of this city.

W. A. Adams, now head store man at Anderson's, holds a veritable cinch on all business emanating from any political classes or the City Hall. His long-time popularity among the business occupants of the imposing structure remains proverbial and his "pull" is a substantial one.

Daniel B. Long visited Detroit and Cleveland last week, stopping incidentally at Toledo also. He inclines to dilate on the pleasantness of the boat trip between Buffalo and Detroit, the hours taken up with same being most agreeable, the service commendable in every way. To those who are going to the S.A.F. convention from points hereabouts and further East, this part of the trip, as outlined by the enthusiastic and openhearted Detroit contingent, would appeal most strongly to anyone familiar with the enjoyment to be gained, compared to rail travel.

J. F. Cowell, of the City Park, is to take active part in the meeting of State Park Superintendents at Albany later in this month, and leave of absence has been officially granted to him.

VIDI.

Hartford, Conn.

Club News.

The Florists' Club held a well attended meeting Tuesday evening, it being the last indoor meeting until Fall. A number of invited guests were present. After the business meeting a social session followed. Refreshments were served, the officers of the club being the hosts. It was voted to suspend the regular meetings for the next three months, and during this time meetings will be held at the call of the president. Arrangements are under way whereby a joint outing of the Hartford Florists' Club, the New Haven County Horticultural Society, New London club and the Bridgeport club will be held in the near future. One new member was voted in.

J. F. Huss made a fine exhibit of outdoor flowers and gave a very interesting talk on them.

Robert Karlstrom, gardener at Elizabeth Park, brought in the following collection of rhododendrons: Boule de Neige, Parson's gloriosa, album elegans, Betsy Parsons, John Waterer, Everestianum, Caractacus, delicatissimum, astrosanguineum, Blandyanum; also fourteen varieties of azaleas and a very striking and beautiful poppy, name unknown. Mr. Karlstrom gave a talk on this exhibit.

A certificate of merit was awarded to Elizabeth Park Nurseries and to Mr. Huss for their exhibits. Judges for the evening were: Messrs. G. A. Parker, W. W. Hunt, and Hans J. Koehler.

Mr. Koehler, who is forester at Keney Park, and one of the charter members of the club, is to leave the city. This announcement was heard with much regret. Mr. Koehler was made an honorary life member of the club.

The resignation of Mr. Koehler from the Keney Park force was received with deep regret by the trustees and other officers of the park, and his fellow-workmen as a token of their respect and friendship presented him with a number of books.

J. F. C.

New Greenhouses at Secaucus, N.J.

Our illustrations show the establishment of Otto Grundmann, of Secaucus, N. J. S. Jacobs & Sons, Brooklyn, N. Y., are building for him another house 150 x 24 feet, 16 x 24 glass. This house will be completed by the 1st of July, and will give Mr. Grundmann a range of 20,000 feet of glass built in one year.

Review of the Market

NEW YORK. There has been no change for the better in the cut flower trade since our last report, in fact, conditions are worse in some respects, particularly in the case of roses and carnations. Ordinarily, these two staples have diminished greatly in supply by this time, but such has not happened this year. Both are coming in heavily, and while a great many of the roses are covered with mildew, and many of the carnations are small and inferior in quality, all help to glut the market and keep prices below the normal. Some rose growers are shipping every other day only and just now, when buyers are both scarce and fastidious, it is a difficult matter to get rid of such stock at any price, as it is off color, and too far open to be serviceable. American Beauty are in in great numbers, and some phenomenally low sales have been recorded within the past few days.

Daffodils that have been grown from retarded bulbs are a feature in the market, and, if there was any business, they would be appreciated. As it is, they are a drug in the hands of the dealer, and have no fixed value.

Lily of the valley is offered at lower figures than have been ruling for many weeks, but too much of this stock is coming in for the limited demand.

Peonies are not nearly so plentiful, and the demand for them is probably better than for any other flowers. Sweet peas are both plentiful and of many grades. Some of them do not bring more than one cent a bunch, while others will realize five or six times that amount. Lilies can be had at from $2.00 to $3.00 a hundred, and there are plenty of them. Gladiolus and antirrhinum are not so much in evidence this week. Smilax has taken a drop in value to six and eight cents a string. No change is noted either in adiantum or asparagus.

PHILADELPHIA.—Any quantity of flowers, and not so much demand is the condition this week. The only thing that will prevent a glut is the fact that most growers are now tearing out old roses and preparing to plant for next season. The quality of all flowers is gradually depreciating. It is difficult to quote prices, as they vary so much. First-class American Beauty roses are being sold at $1.50 and $2.00 per dozen, while selected stock for shipping is held at $3.00. White roses are yet in good demand. Peonies are about over. S. S. Pennock reports having done a good business with these flowers this season; the prices obtained were good, and a better demand was noticed than last year. The flower market also did well on peonies, making an average of $6.00 per 100. Lily of the valley is yet in good demand, selling at from $3.00 to $5.00 per 100.

There is a fair demand for white carnations; other varieties are not moving well. DAVID RUST.

BOSTON.—Business this week at the market and commission houses was rather quiet up to Wednesday, when it took a big slump. But with the retailers there has been more or less going on in the line of decorations for commencements, which began earlier than usual; also weddings, but the work is rather light. The market is very well stocked with seasonable flowers. Roses are becoming poor, except Kaiserin Augusta Victoria, which are very fine just now, and prices are low. Carnations hold out of good quality, but are greatly in overstock and move slowly at low figures. Peonies are plentiful, but find little demand at $3.00 to $4.00 per 100. Sweet peas are now coming in from outdoors, but do not move very fast; the price is 15c. to 35c. per 100. F. J. N.

BUFFALO.—More rainy and favoring growing conditions recently inclined to further increase the visible supply of blooms, and the quality has kept well for this date. With business running only moderate, the daily supplies this week are more than ample. Peonies are in their prime, locally, and compete for favor with roses and carnations, the latter especially being numerous. Both are placarded in some of the retail stores at special sale prices. VIDI.

CINCINNATI.—The rainy season is now past, at least, so says the weather man. Roses are deteriorating very fast, and mildew is getting in its work. American Beauty still holds up better than other roses, both in quality and price: extra bring $3.00 per dozen; medium, $2.00 to $2.50; fair, $1.00 to $1.50; short, $2.00 to $3.00 per 100. Bride and Bridesmaid, $2.00 to $5.00 per 100. Liberty, La France, Golden Gate, about the same price. Sweet peas are not coming in rapidly and the stems are very short; the price is 25c to 35c. per 100. Carnations are still holding out best of all, and are selling at $1.00, $2.00 and $3.00 per 100. Smilax brings 15c; eastern ferns, per 1,000, $1.50; western, $1.25. The new eastern stock is very fine; much better than the western being not nearly so coarse. E. G. G.

CHICAGO.—Trade, taken as a whole, was never so unsatisfactory as now, both in the wholesale and retail lines. For the month of June, so far, shipping trade has been rather unsatisfactory, that is, to Southern and Southwestern points. Shipping direct is out of the question on account of the floods. St. Louis is practically cut off from all points, so far as shipping perishable goods is concerned. New Orleans can only be reached by way of Chattanooga, and the first day of the present week the American Express Company refused to accept goods under any consideration. If conditions continue as they are, a great deal of stock will find its way to the rubbish barrel. American Beauty are selling at from $2.50 to $3.00 per dozen for the best; other grades are bringing from $4.00 per 100 to $1.50 per dozen. Bride and Bridesmaid are coming in in fine condition and the color is extra good for this time of the year, they are realizing from $3.00 to $6.00 per hundred. Some fine Meteor are to be seen, also Golden Gate; both selling at from $3.00 to $8.00 per 100. Kaiserin Augusta Victoria realize $3.00 to $8.00. Mme. Abel Chatenay are exceptionally fine, and sell at from $8.00 to $10.00 per 100.

Carnations are coming in in immense quantities and some extra fine stock is to be seen in several places. The price on this latter class is from $2.50 to $3.00 per 100, while the inferior grades are jobbed off at almost any figure. Some sales are reported as low as 40c. per 100. Peonies are arriving in large quantites. Dark red and white, which are not overplentiful, are selling at a good figure, while the other colors are hard to move at prices satisfactory to the grower. The values on the latter stock average from $1.25 to $8.00 per 100.

Callas and longiflorum lilies are not over abundant. Some Cape jasmines are still to be seen, selling fairly well.

Sweet peas are abundant, and in some cases are hard to move. Good ones find ready sale at a good price.

Lily of the valley is in sufficient quantities to meet all demands, with the price at from $3.00 to $4.00 per 100.

Asparagus is selling well at from $35.00 to $50.00 per 100. A. Sprengeri is more plentiful, and is bringing from $2.00 to $5.00 per 100. Hardy ferns go at 25c. per 100; adiantum at from 75c. to $1.00 per 100; smilax, $1.50 per dozen. R. J.

ST. LOUIS.—At this writing, June 9, our commission men are having a hard time getting in their shipments, as trains are delayed by the great flood on the East side. There is no telling how long this state of affairs will last. No doubt it will hurt the trade a great deal.

Business has been very good of late; some large wedding decorations have been reported, which used up considerable first-class stock. A few more for this week, with school work, should keep the trade on the jump all week.

Our nights have been very cool of late and some of our best rose stock comes in quite mildewed. Bride and Bridesmaid are mostly affected by it, still they sell well, as stock is somewhat scarce. These roses bring from $3.00 to $6.00 per hundred. Souvenir du President Carnot, Golden Gate, Liberty and Meteor are selling at the same figure. With little or no mildew on them American Beauty, the best long ones, bring $3.00 per dozen, and from that down to $1.50 per dozen; plenty of short ones are in at $5.00 and $6.00 per hundred.

The market is, and has been, short on good carnations. A good quantity of common small stock is arriving, but it does not sell well, bringing $1.00 and $1.50. The best run as high as $2.00 per hundred. The carnations mostly looked for are Flora Hill for white and Ethel Crocker for pink. No good red is in the market.

A few callas come in, going at 5c. and 8c. each. Lily of the valley is very scarce just now. Gladioli are not yet plentiful. Peonies are all cut out. Cape jasmines are plentiful at 50c. per hundred. Sweet peas are still selling well at 50c. per 100. The rainy days of last week spoiled a great many of sweet peas; they come in watersoaked. The light shades are the best sellers.

New fancy ferns are in the market and the trade is laying in a supply of them. All greens have a good call. Galax and smilax are being much used for decoration work. The latter is selling at 15c. to 18c. per string. ST. P.

INDIANAPOLIS, IND.—June so far has been a satisfactory month with the florists. There has been no rush of business but a firm steady demand for all kinds of stock. The quality of roses is, as a rule, poor; but the demand has been quite up to expectations. Bride and Bridesmaid have sold at $1.00 to $1.50 per dozen. American Beauty are moving slowly at a retail price of $2.00 to $3.00 per dozen. Meteor are entirely off the home market; they do not sell well when Liberty is to be had.

Carnations wholesale at $1.50 to $2.00 per 100 and retail at 50c. to 75c. per dozen. There is a surplus of carnations, and many go to waste.

Sweet peas are plentiful at 35c. per 100. The pink ones are mostly in demand at 25c. per bunch of thirty.

The bedding season is nearly over and all of the growers are well cleaned up for so early a date. I. B.

GRAND RAPIDS, MICH.—A spell of torrid weather that threatened to annihilate carnation plants in the field, that cooked carnation buds open when not wanted, that spread terror in the hearts of the faithful for fear the crop would be off at Decoration Day, was followed by a week of rainy, raw, cold weather. It was with difficulty that flowers kept for even two days without showing a tendency to go to sleep. The three days preceding Memorial Day there was no rain, yet it continued raw and cold. In spite of all these adverse conditions, the cut of carnations was the largest ever known at this season. Roses were in fair crop, but scarce. Carnations were all used up Friday by shipping orders.

The best of the bedding season is over, yet straggling orders are continually coming in and will do so for the remainder of the month.

Prices are better and firmer than last year and plants in bloom and cut flowers sold out closer.

Prices: 35c and 50c per dozen for carnations; roses, $1 per dozen; lilies, $2; peonies, $1.50 per dozen. Outdoor shrubbery was not in bloom, owing to the backward season.

H. Bunyard was a recent visitor. Nothing like his cold storage lilies to cool a fellow off. G. F. C.

WORCESTER, MASS.—For Memorial Day the florists booked orders as early as Easter, and only the dry spell brought any shade of disappointment. Without exception, the florists reported a scarcity of flowers. Lilacs, that hitherto played a prominent part in the decorations, came and went before their usual time. Most of the wild flowers were dried up, but even then, with an unfavorable season, the trade was heavier than ever before. The G. A. R. Post of this city found it necessary to make 1,250 wreaths against 1,200 of one year ago. The shortage of stock was very prominent here also, but the school children bravely responded to the call and sent in wagon loads used in their school decorations. The G. A. R. have a grievance. Many of the leading stores lost sight of the main object of the day and profusely decorated their stores - not in memory of the fallen heroes, but for a horse show. C.

DENVER.—Trade for Memorial Day was greater than that of previous years. While town trade was good the great bulk of business was done in shipping. Stock looked plentiful at the beginning of the week, notwithstanding the scarcity of outdoor material, though by Friday a few snowballs and lilacs did show up; but not enough to cut any figure. Carnations and roses were sent in in good big lots, but by Friday night flowers of all descriptions were very scarce. Saturday morning, though, saw the stores fairly well filled. Glauber, of Montclair, Colo., struck it nice with a good big supply of stocks (ten week) and some giant candytuft, which helped out very much in mixed cut flower lots. Sweet peas were in good supply, and found ready sale. Plant sales during the week were good, but the cold weather, no doubt, hurt the trade considerably. P. S.

PITTSBURG.—Trade in cut flowers is fairly good and stock plentiful. Prices are low enough to suit everybody. Plant trade is still good and will continue so for another week, as considerable planting is yet being done. Cannas are about the only plant that is abundant, but too many were grown. Last year they were scarce, and so everyone increased his stock this season. E. C. R.

SAN FRANCISCO.—Memorial Day business this year was a record-breaker. There was no dearth of flowers and no dearth of buyers. Phenomenally good has been the shipping trade for grave decorations. The principal points of consignment were Nevada, Utah and Arizona, and numerous mountain and valley towns in Eastern and Northern California. ALVIN.

NORWALK AND SOUTH NORWALK, CONN.—The Spring and Decoration Day trade has been exceptionally good this year and very fair prices for both plants and flowers were realized. R. G. Hanford had a big rush on cut flowers Memorial Day morning and many orders had to be refused. Everything in the shape of a flower was sold out. The sale of bedding plants was, if anything, in excess of former years. On Tuesday, Mr. Hanford was very busy with quite a large wedding decoration, palms, ferns and peonies being used in great profusion.

Peter Gingue filled thirty six vases on Thursday and Friday of last week and reports a very large Spring trade.

The Smith Estate, of South Norwalk, have been exceptionally busy this year with box and vase work, and have as much bedding out work as they can attend to. P.

BRIDGEPORT, CONN.—The Spring trade in this city has been exceptionally good, especially when the many strikes are taken into consideration. The trolley strike has not yet been settled and there are labor troubles affecting almost every line of business.

Decoration Day brought a lively demand for both plants and flowers, and good stock soon ran short. Many hydrangeas were seen in the different stores and sold very well at moderate prices. The best geraniums retailed at $1.50 per dozen in 4-inch pots, Jean Viaud, Alphonse Ricard and S. A. Nutt being most in demand. Carnation flowers brought 50c. per dozen for ordinary kinds, a few of the fancy varieties bringing 75c. and $1.00. The carnations that are planted out are beginning to show the effects of the continued drouth, and all outdoor plants are suffering.

Reck & Son had the Grand Army order, and also report a very good business. They sold out of geraniums and had to buy to fill their orders. They have about 30,000 carnations planted out, but it takes considerable care and labor to keep the plants from dying for want of water. Through the medium of The Florists' Exchange, they have cleared out their large stock of ivy and have had to cancel several orders.

James Horan had a large quantity of 8 and 10-inch pans of geraniums made up for Decoration Day and they sold very readily at from 75c. to $1.00. The demand for bedding plants and box and vase work with this firm was greater than in previous years.

Keith & Jackson, who recently bought the retail branch of George Whitehead's business on State street, are doing a lively trade, which is constantly increasing. They make a specialty of landscape gardening.

Mr. Whitehead is devoting the whole of his time to the wholesale plant and flower business at his establishment in Southport.

James E. Beach has over 50,000 carnations out in the field. His young rose stock is looking in good shape. P.

Indianapolis, Ind.

News Jottings.

Between four and five thousand coreopsis were sold for the Shortridge high school commencement this week. The class color being yellow, the coreopsis was the only yellow flower obtainable.

This section of the country is experiencing the worst series of thunder and windstorms in years. Sweet peas and other outside flowers are showing the effects of the continual downpour of rain.

Saturday afternoon a storm of unusual velocity struck this city. It seemed to reach a climax in the east end, where Bertermann Brothers' greenhouses are situated. Two houses were torn out of the ground and released to assume their normal position with the exception of large variations in the purlins. The ends were entirely torn out, and many of the sash bars were broken in two. In John Bertermann's residence, a hundred feet away, could be seen small particles of glass driven clear through the weather boardings. This seems almost incredible, but the glass remains there as proof. About one hundred square feet of shingles were torn from the residence.

One noticeable part was that in the greenhouses where the damage was done, the ventilators and doors were tightly closed. In several other houses, a few feet away, no damage was done, but the ventilators and doors were partly open. The wind was accompanied with a heavy hail storm.

Business at Tomlinson Hall market has been quiet this week. The growers there are looking forward with interest to the new market house which is being erected. A large part of the space in the new building is to be used by the florists.

The committee of the Indiana State Florists' Association on picnic is preparing for an elaborate one. It will be held about the middle of July, but the place has not been fully decided on. I. B.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our **Fumigating Powder** you can apply our **Black Stuff Fine** direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

BARGAINS PRICES REDUCED

JAPAN FERN BALLS In Fine Condition.

5-7 inch, per doz., $1.35; per 100, $9.00 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $26 00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $22.00.

Cycas Revoluta Stems From ½ to 3 lbs. and from 6 to 15 lbs., about 350 lbs to the case, per 100 lbs $6.50; by the case, assorted sizes, per 100 lbs, $6.00.

JAPAN BAMBOO CANE STAKES
THE VERY BEST IN THE MARKET
6 feet, ¼ to ⅜ in., per 1000, $6.00; per 2000, $11.00
3 " ¼ ⅜ " " 3.50 " 6.50
3 " ¼ inch " 3.25 " 6.00

FOSTITE for **Mildew** on **Roses** and **Carnation Rust**, per 25 pounds, $2.50.

CASH WITH ORDER, PLEASE.

C. H. JOOSTEN, Importer, 201 West St., New York.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

AS TENDER AS SPRING CHICKENS.

Also Appleton, Mrs. Jerome Jones, John K. Shaw, Robinson, etc., out of 2¼ inch pots, branched or single stem, your choice, $2.50 per 100; $20.00 per 1000. Exhibition Varieties and Novelties of 19 2, $4.00 per 100.

HENRY EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

Appleton, Eaton, Ivory, and other best commercial varieties. My selection of varieties, your selection of colors, from 2½ in. pots, $2.25 per 100. Also best varieties of Ferns for dishes, etc., 2½ in. and 3 in pots at $3.00 per 100.

Cash with order.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Fine, strong stock in 2½ in. pots.

Col. D. Appleton, Chadwick, Mrs. T. L. Park, Timothy Eaton, White Bonnaffon, Yanariva, Yellow Bonnaffon, Jerome Jones, Hobson, $4.00 per 100, $35.00 per 1000.

Polly Rose, Pink Ivory, White Ivory, Harry Parr, Glory of the Pacific, $3.00 per 100; $25.00 per 100.

We are now booking orders for our beautiful new pink Chrysanthemum

KATHERINE STEINHOFF,

$25.00 per 100, from 2½ in. pots.

HERMAN C. STEINHOFF, West Hoboken, N. J.
578 Hudson Boulevard.

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CHRYSANTHEMUMS, COLEUS, Cannas, Etc.

Stock in first-class condition, from 2¼ inch pots. No less than five of one variety at these prices.

	Per 100
Acalypha, Macfeeana	3 50
Asparagus Sprengeri, 2½ in. pots	3 50
Hardy English Ivy	2 00
Lemon Verbena	2 50
Sedum, variegated	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Massey, Pink, Golden and Crimson Verschaffeltii, and Annie Pfister. **$2.00 per 100; $17.50 per 1000.**

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, Strong plants, from 3 in. pots, standard sorts, 60c. per doz; **$4.00** per 100; **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, such varieties as Major Bonnaffon, Col. Wm. B Smith, Col D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J H. Woodford Mrs. R. McArthur, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Rose Owen, The Queen, V. H Hallock, Wm. H. Lincoln, etc. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100; $17.50 per 1000.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
STROBILANTHES Dyerianus, 75c. per doz	5 00

Notice our Vegetable Plant advertisement in this issue.

R. VINCENT, JR. & SON
White Marsh, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

GOLDEN WEDDING, MRS. H. ROBINSON, NAGOYA, MODESTA, MARION HENDERSON, E. M. BIGELOW, MAUD DEAN, GOLDMINE, IVORY, CULLINGFORDII. Out of 2½ inch pots, $1.50 per 100.

A. D. MONTGOMERY, Hazleton, Pa.

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CHRYSANTHEMUMS

2½ in. pots, Branched or single stem, fine. W. Bonnaffon, Timothy Eaton, Col. D Appleton, Gold Mine, A J Balfour, Intensity, $2.50 per 100 Yellow Bonnaffon, October Sunshine. $1 50 per 100. Cash please.

A. RELYEA & SON,
Orchard Place Greenhouses, POUGHKEEPSIE, N. Y

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Chrysanthemum Plants

In 2¼ in. Pots.

Mrs. Perrin, Maud Dean, Elvena, Wanamaker, Jerome Jones, Mutual Friend, G. Pitcher, Niveus, Golden Gate, Goldmine Mrs. H. Robinson, Mme. Carnot, H. Hurrell, Major Bonnaffon, Willowbrook, J. K. Shaw, $3.00 per 100; $25.00 per 1000. Alice Byron, $5.00 per 100. Col. D. Appleton and Jeannie Falconer, $4.00 per 100. Yellow Eaton, 50 cts. each; $5.00 per doz.; $30.00 per 100.

A. N. PIERSON, Cromwell, Conn.

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

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Chrysanthemums

Rooted Cuttings Strong and Healthy

Godfrey's King, Queen Alexandra, M. R. Cadbury, Mme. Diederichs, $3.00 per doz.

Adrian, Kate Broomhead, A. J. Balfour, Kansas City Star, Malcolm Lamond, Edgar Sanders, Polar Queen, $3.00 per 100.

Brutus, Col. D. Appleton, Maud Dean, Mayflower, Nellie Pockett, Chamberlain, Orizaba, Timothy Eaton, Lavender Queen, $2.00 per 100; $15.00 per 1000.

Henry Hurrell, Intensity, Bonnaffon, Nagoya, Polly Rose, October Sunshine, Kalb, Pink and White Ivory, $1.50 per 100; $12.00 per 1000.

CASH WITH ORDER.

G. POTTER MATHEWS, Flushing, N. Y.
302 Bayside Avenue.

Bonnaffon, Nellie Pockett, Pink and White Ivory Specialties.

Mention the Florists' Exchange when writing.

ROSES.

Cultivation of Outdoor Roses.

Read before the New Jersey Floricultural Society by Andrew Grierson, gardener to Mrs. Hicks-Arnold, of Portchester, N. Y.

The most popular roses for garden planting are those of the hybrid perpetual class (although the most of them only make one large display in June), owing to their hardiness and large and handsome flowers and their strong, rich fragrance, especially the crimson varieties. For the successful cultivation of this class one must provide an open situation, free from all shade, and well-drained ground; and if the soil is a strong clayey loam, so much the better. The ground must be trenched to at least a depth of two feet, and if you mix some of the lower with the top soil it will do all the good in the world; it seems to put new life into the top soil and the roots will take a hold of it right away. You will require lots of good cow manure if you can get it; if not, then horse manure will do. I always put a layer of manure at the bottom of the trench, then some soil, and afterward a good dusting of ground bone, such as is used in the rose beds inside; then more soil, another layer of manure and another dusting of bone near the surface.

There is a difference of opinion among gardeners as to when to plant roses. I always plant in the Fall, even should it run to the new year. One is so much ahead in the Spring; it gives the plants a chance to make roots during the Winter and they are ready to go right ahead in the Spring. I think roses that have been put out this Spring will have had a pretty bad time of it. From the first of November to the last of December is my planting time, and I always try to get as well ripened wood as I can.

The distance to plant varies with the different varieties, the Baroness class - Captain Christy, Pride of Waltham and others of that type -will do very well fifteen inches apart, Paul Neyron, Mrs. Sharmon Crawford, Ulrich Brunner, Prince Camille de Rohan will take two feet; and the very strong growers, such as Jacqueminot, Captain Hayward, Marquis de Castellane, Mme Gabriel Luizet, Duke of Edinburgh and Margaret Dickson, will take at least three feet.

About the kind of stock to plant: I prefer budded plants, and for stiff soil the briar stock; for light soils I would take the manetti. I don't believe one can get as good plants on their own roots (except of a very few varieties) as he can by using budded stock; at least, that has been my experience. One advantage own-root plants have is, that you don't have any suckers coming up and killing your plants, which is the cause of a good many people wondering why their roses don't bloom, although they grow finely.

In planting roses, should they be budded, always put the bud from three to four inches below the ground level. That protects the bud, and the plants will make roots from there also. After planting and as soon as the ground begins to freeze, I put a mulch of strawy manure around them. That both protects the plants and gives them a chance to make roots as long as possible. Before doing so, however, should there be any field mice around I take some oats, dampen them and put enough Paris green to color them, then scatter the oats over the bed, and put on the mulch. In some places mice do a great deal of damage by barking the plants.

About the first or middle of March take off the mulch and prune the roses. To get large flowers you require to prune pretty hard, cutting away all weak wood at the same time. Should you wish to make a big display with some plants that have good strong shoots, just peg these down, and you will have something to look at.

Varieties for pegging are: Ulrich Brunner, Mme. Gabriel Luizet, Gloire Lyonnaise, Margaret Dickson, Captain Hayward, Climbing Captain Christy, Clio, Grand Mogul and Salamander.

The following are some of the best varieties for this climate: White, blush and flesh—Clio, Margaret Dickson, Boule de Neige, Climbing Captain Christy, Coquette des Blanches, Mabel Morrison, Merveille de Lyon, Violette Bouyer.

Pink—Baroness Rothschild, Jennie Dickson, Mme. G. Luizet, Mrs. John Laing, Mrs. Sharmon Crawford, Queen of Queens, Spenser, Mlle. Marie Finger.

Rose—Countess of Roseberry, Heinrich Schultheis, John Hopper, Magna Charta, Marquis de Castellane, Paul Neyron, Pride of Waltham, Victor Verdier.

Light crimson—Alfred Colomb, Captain Hayward, Duke of Teck, Marie Baumann, General Jacqueminot, Gloire de Margottin, Tom Wood, Ulrich Brunner, Suzanne Marie Rhodocanachi.

Dark crimson—Duke of Edinburgh, Earl Dufferin, Fisher Holmes, Horace Vernet, Louis Van Houtte, Mme. Victor Verdier, Prince Arthur, Victor Hugo, Star of Waltham.

Maroon and purple—Abel Carriere, Baron de Bonstetten, Black Prince, Grand Mogul, Prince Camille de Rohan, Reynolds Hole, Rowland Hill, Xavier Clibo.

Next in importance to the hybrid perpetual come the teas and hybrid teas, with their lovely forms and coloring. There is some wonderful coloring in this class of roses. It is a class which is not grown nearly as much as it deserves to be. Most people think the plants too tender to stand our Winters; but this is not the case. With a little care and trouble the most delicate of them will come through the Winter all right. All they need is a covering of something. The best article that I have found for the purpose is fresh, dry leaves, which are easy enough to secure in the Fall. In covering up the plants peg down the long shoots. A stone, or anything else will do to keep the shoots near the ground; then put on as many leaves as will cover the plants nicely. You can use branches, wire netting, or such like, which will keep the leaves from blowing away. In the Spring when you remove the leaves I think you will find most of the plants alive.

Of course, tea roses require a more open soil than the hybrid perpetuals, and it cannot be made too rich, if you want good flowers and to have the plants bloom throughout the whole season, as they will do, if properly treated. Tea roses can be planted much closer than the hybrids—about a foot apart each way will do for the most of them. There are a few varieties that need more room, but the majority will grow well, afforded that distance.

Where practical it would be best to plant each variety separate, say in lots of 6, 12, 25 or 50, or use two or three varieties that will go together in the same bed. As regards pruning this class, they need not be cut in quite so hard as the hybrid perpetuals. Cut out all weak wood and shorten the strong shoots about half. The climbing varieties require very little pruning, and when the old canes have given out, cut them right down to the ground, so as to secure young canes from the bottom.

As regards varieties that are suitable for a bed, I would place Maman Cochet at the head. The plant is one of the strongest growers in this class; the foliage is always, or mostly, free from mildew, and the flowers are produced freely and are of the largest size. Next comes Gustave Nabonnand, pale rose, shaded yellow. The flowers are not as double as some, but they are produced throughout the whole season, and I have never seen mildew on this variety. This sort, I think, is as good as Maman Cochet. Princess de Sagan is the best crimson maroon tea rose that we have; it makes a lovely bed. The flowers are very bright and show off very well indeed with the dark green foliage.

20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

We have a fine lot in 2 1-4 inch pots, just ready for shifting or planting, which we offer at

$7.50 per 100; $60.00 per 1000.

From 3½ in. pots, $12.00 per 100; $100 per 1000.

These plants are grown from double-eyed cuttings made from select blooming wood, the same in all respects as we use ourselves. We grow nothing but American Beauty Roses, and both our plants and our blooms are recognized as having no superiors.

These Plants will be Carefully and Lightly Packed, and We Know will Give Satisfaction.

F. R. & P. M. PIERSON, Scarborough-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

Belle Lvonnaise is on the Gloire de Dijon type—deep canary yellow. It makes a good bed, only you have to look out and get as much old wood as you can. Reve d'Or, an extra strong grower; the foliage is almost the finest and the plant retains it throughout the season. The buds and flowers are very fine—far better than those of the old Gloire de Dijon. This rose should be given as warm and sheltered a place as possible. Enchantress, creamy white, buff center, one of the new roses and very promising. Hon. Edith Gifford, flesh and white; a good strong grower, giving fine blooms.

The following are some the best teas: Sunrise, White Maman Cochet, Sunset. Souvenir de Mme. Levet, yellow and orange; Souvenir de J. B. Guillot, nasturtium red and coppery red, fine and distinct; Souvenir Catherine Guillot, copper and orange (good); Princess Beatrice, yellow; Marie Van Houtte white, yellow and rose; Marie de Orleans, Mme. Lucien Linden, Mme. Hoste, yellow; Mme. Jacques Charreton; Mme. Falcot, apricot yellow; Mme. Chidane Guinosseau, canary yellow, fine bluds; Mme. Charles, bright apricot; Jean Pernet, bright yellow; Golden Gate, Francois Kruger, coppery yellow and peach; Devoniensis, pale yellow, fine; Corinna, flesh and rose; Countesse de Madillac, rosy flesh and copper; Beryl, golden yellow; Anna Olivier, flesh, rose and salmon; Amazon, yellow; Mme. Eugene Verdier, Mme. Berard, Dijon color; Gustav Rigis, canary yellow, semi-double, fine in bud; William Allen Richardson, yellow and orange; Mme. Pierre Cochet, like the last named, only better; Mme. Ada Carmody, new, ivory white, yellow and pink; Mme. Ravary, golden yellow; Irish Beauty and Irish Glory, single white and white marbled pink; Sulphur, sulphur yellow; Queen Olga of Greece, rosy pink, shaded yellow; Mme. Antoine Mari, Mme. Louis Poucet and Mme. Vermorel.

(To be continued.)

HARDY AND OTHER ROSES from 4 or 5 in. pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2-year, from in. pots, 18 cts.; 1-year from 3 in., 9 cts.; **Clematis Paniculata**, from 5 in. pots, 10 cts. Extra, from in., 25 cts. **Ampelopsis Veitchii**, from 3 in. pots, 5 cts.; from 4 in., 10 cts.; from 5 in. pots, 5 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

ROSES. American Beauty, strictly first-class in every respect and as fine stock as we have ever offered. 3-inch stock, $10.00 per 100; $90.00 per 1000.

BRIDESMAID 3 inch stock $6.00 per 100; $50.00 per 1000. 2¼ inch stock, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS, 2¼-inch Pots.

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Caton	3 00
Willowbrook	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
RED.	
Black Hawk	3 50

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

Meteor Rose Plants

These plants are guaranteed choice stock.

3½-in., $4.50 per 100; $37.50 per 1000. Will exchange Meteor for good Bridesmaid and Bride. Cash with order, unless party is known.

BRANT & NOE,

W. Peterson and N. 48th Aves., **CHICAGO, ILL.**

Mention the Florists' Exchange when writing.

LOOK! LOOK! LOOK!

15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.
Cash with order.

W. T. HILLBORN, 'Florist,"
Newtown, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

A FINE LOT OF

AMERICAN BEAUTY

Plants from 2½-in. pots,

ready for planting or shifting,

$6.00 per 100.
$50.00 per 1000.

EMIL BUETTNER
PARK RIDGE, ILL.

Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100
Bridesmaid, 3-in. pots,	**$3.50**
Bridesmaid, 4-in pots, ex. fine,	**5.00**
Bride, 3-in. pots,	**3.50**
Bride, 4-in. pots, ex. fine	**5.00**
Ivory, 3-inch pots	**4 50**
$40.00 per 1000	
Ivory, 4-in. pots	**6.00**
Golden Gate, 4-in. pots	**6.00**

Guaranteed free from eel worms.

JAMES E. BEACH,
2019 Park Av., Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ROSES

2000 Perle, 2000 Kaiserin, 2000 La France, 2000 Pink and White Cochet, 1500 Hermosa, 3 in. pots $4.00 per 100.

5000 Caroline Soupert, 2¼ in. pots, $3.00 per 100.

10,000 Chrysanthemums

2¼ in. pots, $2.50 per 100; $20.00 per 1000.

White and yellow Bonnaffon, Ivory, Appleton, Jerome Jones, Maud Dean, Eaton, Golden Wedding, Pacific, all in prime condition.

J. D. BRENNEMAN, Box 24, Harrisburg, Pa.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.; Sunrise, 2½ in., 3 in; American Beauty, 2½ in., 3 in.; Liberty, 2½ in., 3 in. NO SAMPLES SENT.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots.

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
American Beauty, bench plants, cut down to 12 inches high	5.00	40 00
Meteor, 3½ in. pot plants	4.50	37.50

Ivory, 2 in., $4.00 per 100; $35.00 per 1000.

	Per 100	Per 1000
Golden Gate	$2.50	$20.00
Perle	3.50	30.00
Sunrise	7.00	65.00
Liberty, 3 in. pots, very fine stock	10.00	80.00
Perle, 3 in. pots	5.00	45.00

Ivory, 3 in., $5.00 per 100, $45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE.' CHICAGO, ILL.

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GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa

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GRAFTED ROSES.

As we shall carry over a larger number of bench plants than we expected, we offer the following young grafted plants very cheap. This stock is all selected.

	Per 100
2000 LIBERTY, 2½ in. pots, large plants	$12.00
2700 BRIDE, 3 in. and 3½ in pots	12 00
700 BRIDE, 2½ in. pots	10 00
1200 BRIDESMAID, 3½ in. pots	12 00
1400 BRIDESMAID, 2 in. pots	10.00
14000 AMERICAN BEAUTY, own roots, 2½ in.	$40.00 per 1000

All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN, 76 Wabash Ave., CHICAGO, ILL.

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The Philadelphia Wholesale Flower Market
1224 CHERRY STREET, PHILADELPHIA.
Our Growers Can Supply Your Wants
IN CUT FLOWERS AND PLANT
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EMERSON C. McFADDEN
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CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.
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Mention the Florists' Exchange when writing.

HARDY CUT
FERNS,
Fancy or Dagger, 50c. per 1000. **Bouquet Green,** $5.00 per 100 lbs. Sphagnum Moss, fine quality, 50c. per bbl. **Laurel Roping,** $4.50 per 100 yds. All orders by mail or dispatch promptly attended to.
Thomas Collins, Hinsdale, Mass.
Mention the Florists' Exchange when writing.

New Crop Fancy and Dagger Ferns, 75c. per 1000. Discount on large orders. Contracts made to supply the year round. Use our Laurel Festooning for your June decorations. It's the best decorating material to be found for weddings, etc. Price 4c., 5c., and 6c. per yard. **Galax,** green or bronze, 75c. per 1000. Mosses, etc. Everything in Hardy Supplies gathered fresh daily. Send us your wants and be well satisfied.

CROWL FERN CO.

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We are outfitted to do everything in this line required by the florist, the seedsman and the nurseryman, from an envelope to the most stylish kind of a catalogue. Write us.
A. T. De La Mare Ptg & Pub. Co.
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RHINELANDER BUILDING,
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FOR SOUTHERN WILD SMILAX
Where quality is first consideration, write, wire or phone the introducers,
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Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.
Wax Flowers, Floral Designs, Florists' Supplies.
Mention the Florists' Exchange when writing.

Berberis Oregonium
Mahonia.
Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, **charges paid,** for $1.00.
J. H. HOWE, Florist, 1433 34th Ave., So. SEATTLE, WASH.
Mention the Florists' Exchange when writing.

GALAX
Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.
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Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

STANDARD FLOWER POTS
Packed in small crates, easy to handle.

			Price per crate
1500	2 in.	pots in crate,	$4.88
1500	2¼	" "	5.25
1500	2½	" "	6.00
1000	3	" "	5.00
800	3½	" "	5.80
500	4	" "	4.50
320	5	" "	4.51
144	6	" "	3.16

			Price per crate
120		pots in crate,	$4.20
60	8	" "	3.00
HAND MADE.			
48	9 in.	pots in crate,	$3.60
48	10	" "	4.80
24	11	" "	3.60
24	12	" "	4.80
12	14	" "	4.80
6	16	" "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Address **Hilfinger Bros. Pottery, Fort Edward, N. Y.**
Or AUGUST ROLKER & SONS, New York Agents,
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JOHN E. WALKER (Member of the New York Bar), - - - - Secretary and Treasurer
Improved facilities for making collections in all parts of the United States, Canada and Europe. Reliable reports secured at short notice. Service prompt, trustworthy and efficient. Give us a trial.
Mention the Florists' Exchange when writing.

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FLORIST FOIL
THE STANDARD FOIL OF AMERICA.
PLAIN — EMBOSSED — VIOLET
...MADE BY...
The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.
Mention the Florists' Exchange when writing.

New York.

News Notes.

This city and the surrounding country has been favored with refreshing rains for the past four or five days, for which everyone is extremely thankful.

Business among the retail dealers is not what it ought to be for the month of June. Usually, during this month, there is a fair run of decorative and steamer work; but this year the volume of trade is falling far below the average.

J. H. Small & Sons have one of their Broadway store windows tastefully decorated with cactus plants, in miniature Japanese pots, which proves quite an attraction.

Peonies were exhibited at the meeting of the New York Florists' Club on Monday night. Aside from two flowers shown by Beaulieu, the exhibitors were Charles Lenker, Freeport, L. I., and C. W. Ward, the Cottage Gardens, Queens, L. I. Mr. Ward displayed several very fine varieties, all under number, receiving a certificate of merit.

Mr. Lenker showed a large bunch of a variety, named Fragrance, of a pleasing cerise color. He received honorable mention. Beaulieu also exhibited pansy blossoms of the Mme. Perret strain; and a model of a device, with three rollers, for placing at the corners of paths or benches, over which rubber hose can be pulled avoiding entangling or breaking the hose.

The program of sports for the annual outing of the club on July 1, is out, and a copy has been mailed to each member of the club. The advertising columns of the program have been very liberally patronized by the trade, and all advertisers who wish extra copie can obtain them by applying to F. H Traendly, 38 West Twenty-eighth stree

Since the program went to press a additional ten dollar prize has bee donated by John I. Raynor, 49 Wes Twenty-eighth street. The prize is of fered for a bowling match, open to al seven dollars going to the player mak ing the highest score, and three dollar to the second highest scorer.

Joseph Mallon, one of the Fulto street florists, of Brooklyn, is quite lover of fast horses. He is also th owner of a horse that is considere speedy, and on Saturday last Mallon' horse, which is named Collette, wa matched against four others in a rac for $500 and side bet of $10,000, the rac being run on the Parkway Drivin Club's track at Gravesend, winner t take all. The race was run in heats and Collette came in for second hon ors, much to the disappointment of th owner and store men, who had all be heavily on the result.

C. W. Ward, Queens, L. I., has bee appointed by Governor Odell as a trus tee of the New York Agricultural Ex periment Station, at Geneva, in th place of the late Edward A. Callahar of Albany.

The Tarrytown Horticultural Societ gave an exhibition of roses and straw berries in the Young Men's Lyceum, o Thursday, June 11, from 3 to 10 p.m. President J. H. Troy will leave fo Europe on June 27, for a pleasure tri extending over six or eight weeks.

A tar paper manufacturing plant, located close to the nursery grounds o Bobbink & Atkins, Rutherford, N. J is causing some uneasiness to the firr over the possible damage that may re sult to tender stock from the fume of the tar.

Mr. and Mrs. F. L. Atkins will sa on June 24 for an extended trip t Europe. Mr. Atkins will combine busi ness with pleasure, inspecting stock i the European nurseries, from whic Bobbink & Atkins draw their supplies

Alex. J. Guttman is renovating th rooms over his store on Twenty-nint street and expects to take up his resi dence there in two weeks.

P. R. Quinlan, Syracuse, N. Y., wa in town this week. Mr. Quinlan ha interests other than his extensive flor ist business in Syracuse, and last yea spent several months in South Americ looking after his asphalt affairs.

W. Kervan has taken the store at 4 West Twenty-ninth street, recently oc cupied by Hicks & Crawbuck, and i conducting a wholesale flower business

A quartette of New York's exper bowlers met at Thumm's alleys, o Tuesday evening, and began gettin into form for the coming bowling tour nament at Milwaukee during conven tion week.

John, son of David Shannon, ros grower, Madison, N. J., died suddenl on Tuesday evening. The young ma was about 28 years of age. The sympathy of the craft will go out to Mr Shannon in his sad bereavement. Th funeral was held on Thursday.

Alfred Dimmock sailed for Englan Thursday, June 11, on the s.s. Fuers Bismarck.

One of the wealthiest of the Greek fraternity, named I. Stjala, contemplates opening a store in the vicinity of Wall street.

John Gibson, of Gibson Bros., Newport, R. I., was a recent visitor.

W. Atlee Burpee was in town this week attending a meeting of the Wholesale Seedsmen's League.

A Correction.

Editor Florists' Exchange:

I wish to call your attention to an error in your issue of May 2. In it yo state that the firm of Mackay & Marr have leased some greenhouses in Winfield, L. I., where they expect to do a trade in pot plants for the New York market. There is no such firm here, nor has there been. The firm is simply James Marr. I do not intend raising pot plants, but cut flowers for the market. JAMES MARR.

A. J. FELLOURIS
Wholesale and Retail Dealer
IN ALL KINDS OF

Evergreens
GALAX
Bronze and Green
$1.00 per 1000.

FERNS FANCY, $1.50 per 1000. DAGGER, $1.00 per 1000
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New Crop Fancy and Dagger Ferns now ready. We handle only the best that grow in the **"Old Berkshire Hills."** Send us your order and we will please you. **50c.** per 1000, in lots of 5000 or over; 65c. per 1000, in lots of less than 5000. A sample order will convince you that ours are **The Best.** Also Sphagnum and Sheet Moss, Laurel and Bouquet Evergreen in roping, wreaths or loose, etc., etc. Order from us and you will make no mistake. Address all orders to
H. J. SMITH, Hinsdale, Mass.
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Orders by mail, telegraph and telephone will receive our prompt and personal attention.
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GROWER
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Violets Roses Carnations Orchids
ESTABLISHED 1888

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Wholesale Prices of Cut Flowers, New York, June 12, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	6.00 to 15.00
	" extra	5.00 to 6.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	1.00 to 4.00
	Queen of Edgely	8.00 to 20.00
	Bride, 'Maid, fancy—spc'l	2.00 to 4.00
	" extra	1.00 to 2.00
	" No. 1	.50 to 1.00
	" No. 2	.25 to .50
	Golden Gate	1.00 to 4.00
	Liberty	1.00 to 4.00
	Meteor	.25 to 2.00
ADIANTUM		.35 to .75
" CROWEANUM		...... to 1.25
ASPARAGUS		25.00 to 50.00
CALLAS		3.00 to 6.00
CATTLEYAS		12.00 to 40.00
CYPRIPEDIUMS		...... to ......
DENDROBIUM FORMOSUM		...... to ......
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		.25 to .35
	STANDARD VARIETIES	White	.50 to .75
		Pink	.50 to .75
		Red	.50 to .75
		Yel. & Var.	.50 to .75
	*FANCY— (*The highest grades of standard var.)	White	.75 to 1.25
		Pink	.75 to 1.25
		Red	.75 to 1.25
		Yel. & Var.	.75 to 1.25
	NOVELTIES		1.00 to 2.00
LILIES			2.00 to 3.00
LILY OF THE VALLEY			1.00 to 1.50
MIGNONETTE—ordinary			.50 to 1.00
" fancy			...... to ......
PEONIES			3.00 to 4.00
SMILAX			6.00 to 8.00
STOCKS, per bunch			.02 to .04
SWEET PEAS, per bunch			.01 to .06
TULIPS			...... to ......
LILAC, per bunch			...... to ......

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New York Branch Closed for the Summer.

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GEORGE A. SUTHERLAND,
34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston June 3, 1903	Phil'delphia June 9, 1903	Baltimore May 27, 1903	Buffalo June 3, 1903	Pittsburg June 8, 1903
Roses	A. BEAUTY, fancy—special	...... to	20.00 to 25.00	..... to	20.00 to 25.00	20.00 to 30.00
	" extra	...... to 25.00	15.00 to 20.00	...... to	10.00 to 15.00	10.00 to 15.00
	" No. 1	10.00 to 16.00	8.00 to 15.00	15.00 to 20.00	6.00 to 8.00	5.00 to 8.00
	" Culls and Ordinary	2.00 to 4.00	2.00 to 6.00	4.00 to 12.00	2.00 to 4.00	2.00 to 3.00
	Queen of Edgely	4.00 to 16.00	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to	4.00 to 8.00	..... to 6.00	...... to	...... to 8.00
	" extra	...... to	...... to	...... to	6.00 to 8.00	4.00 to 6.00
	" No. 1	4.00 to 5.00	...... to	...... to	4.00 to 5.00	2.00 to 3.00
	" No. 2	1.00 to 3.00	...... to	...... to 3.00	2 00 to 3.00	...... to 1.00
	Golden Gate	...... to	4.00 to 8.00	3.00 to 6.00	2.00 to 6.00	...... to ......
	K. A. Victoria	2.00 to 10.00	..... to	3.00 to 6.00	2.00 to 8.00	2.00 to 8.00
	Liberty	...... to	4.00 to 15.00	2.00 to 6.00	2.00 to 8.00	2.00 to 8.00
	Meteor	1.00 to 6.00	...... to	2.00 to 6.00	2.00 to 8.00	2.00 to 4.00
	Perle	...... to	4.00 to 6.00	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
	ORCHIDS—Cattleyas	...... to	...... to 50.00	...... to	...... to	...... to ......
	Cypripediums	...... to	..... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors	.50 to .75	..... to	...... to 1.00	.75 to 1.00	...... to .50
	STANDARD VARIETIES White	. .. to 1.00	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	.75 to 1.00
	Pink	...... to 1.00	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	.75 to 1.00
	Red	...... to 1.00	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	.75 to 1.00
	Yellow and var.	...... to 1.00	1.50 to 2.00	1.25 to 2.00	1.25 to 2.00	.75 to 1.00
	*FANCY (*The highest grades of Standard var) White	...... to 1.50	2.00 to 4.00	...... to	2.50 to 3.00	1.50 to 2.00
	Pink	...... to 1.50	2.00 to 4.00	...... to	2.50 to 3.00	...... to 1.50
	Red	...... to 1.50	...... to	...... to	2.50 to 3.00	..... to 1.50
	Yellow and var.	...... to 1.50	..... to	...... to	2.50 to 3.00	...... to 1.50
	NOVELTIES	2.00 to 2.50	...... to	...... to	4.00 to 5.00	3.00 to 4.00
	ADIANTUM	.75 to 1.00	...... to 1.00	..... to 1.00	.50 to 1.00	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	10.00 to 50.00	30.00 to 50.00
	CALLAS	...... to	...... to	6.00 to 10.00	8.00 to 10.00	...... to ......
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	...... to	...... to 1.00	...... to	...... to	.25 to 1.00
	GALAX LEAVES	...... to	...... to .10	...... to .10	.10 to .15	. .... to ......
	GLADIOLUS	4.00 to 6.00	8.00 to 10.00	...... to	3.00 to 5.00	...... to .....
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILIES	...... to	...... to	8.00 to 10.00	10.00 to 12.50	8.00 to 12.00
	LILY OF THE VALLEY	2.00 to 3.00	4.00 to 5.00	.50 to .75	3.00 to 5.00	2.00 to 4.00
	MIGNONETTE—Ordinary	...... to	...... to	1.00 to 2.00	...... to	..... to 1.00
	" Fancy	...... to	..... to	...... to	...... to	...... to ......
	NARCISSUS	...... to	...... to	...... to	...... to	...... to ... ..
	PANSIES	...... to	...... to	.30 to .40	...... to	...... to . ....
	SMILAX	12.00 to 14.00	15.00 to 20.00	10.00 to 25.00	12.50 to 15.00	12.00 to 15.00
	STEVIA	...... to	...... to	...... to	...... to	..... to ......
	SWEET PEAS	.50 to .75	.50 to 1.00	...... to .50	.40 to .75	.25 to 1.00
	TULIPS	..... to	...... to	...... to	...... to	...... to .....
	VIOLETS	...... to	...... to	...... to	...... to	...... to ......

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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.
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Ready. Write for sample pages.
THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

Pittsburg.

News of the Week.

The Bellevue Improvement Civic League held its first annual flower show last Saturday afternoon and evening in Masonic Hall, Bellevue, a suburb of Allegheny. Similar associations of several boroughs adjoining lent their assistance, and large crowds attended the show to see the many flowers that were contributed by the residents and several florists. Fred Burki, the well-known grower, is an active member of the association. H. P. Joslin, secretary of the Florists' Club, is also a member of the association. Both contributed, as did E. C. Ludwig, the Allegheny Market florist. Beside these over a hundred of the residents of the borough helped with all kinds of blooms to make the show. One of the largest exhibits came from the private conservatories of H. C. Frick, in charge of his gardener, David Frazer, one of our best plantsmen. The Frick conservatories are noted for their gloxinias, and a splendid lot of fine plants were shown and very much admired.

The Civic League Association is officered by the best known people of Bellevue, and the work of the various organizations is being done through committees, such as tree planting, public floral exhibitions, front lawns and back yards, care of vacant lots, culture among school children, streets, public park and buildings, and flower shows.

J. F. Gibbs several months ago made a visit to Missouri and was so well pleased with the country that he is thinking seriously of locating there. He sold his florist business last year to his son Sydney, only retaining the flower stand in the Allegheny Market, which he will likely dispose of soon.

The outing committee has selected Thursday, July 16, for the florists' picnic to be held at Ross Grove, the same place where it has been held for the past few years.

M. Rice, of Philadelphia, spent several days in the city. E. C. R.

Cincinnati.

News Jottings.

The annual meeting of the Cincinnati Florists' Society will be held Saturday evening at the club rooms at the Jabez Elliott flower market. Five directors will be elected to pilot the society through the coming year.

Florists' Societies.

Florists' societies, taken as a whole, are about the toughest propositions we have to try and keep pulling along smoothly. They work very much like a yoke of oxen—pulling in opposite directions, consequently harmony is a very scarce article in many of them. And for this reason, if no other, I advocate the election of the younger element; for, as "Job" says, it is better adapted for the work, and will take more interest in oiling up the machinery. Take the S.A.F.O.H., for instance. There is nothing that will do this grand old society so much good as to entirely change its methods; put the younger timber in the harness, and let the older give advice, provided it be not too ancient. One of the best points made in President Burton's address at Asheville last August, and which was promptly voted down, was, the right of the directors of the society to name the places of meeting. This would give the society a chance to stand on its own bottom and be independent, instead of accepting the hospitality of some large city (for only a large city can now entertain the national society). And I want to tell you, that to raise the necessary funds for such an entertainment is a task that no one relishes. There are many small places where the national society could go, and do lots of good. Another very important thought. The members who attend the meetings in the smaller places would not be running around town; but when the bell tapped for the business meetings they would all be in their seats ready and willing to take part in the proceedings.

I see that St. Louis is bidding for the next meeting. Personally, I do not think the society should go there next year. Do the members go to attend the meeting? No. They go to see the World's Fair, and mighty little time they will spend attending the sessions of the S.A.F.O.H. Consequently, the annual meeting will amount to very little. On the other hand, if the directors had the appointing of the meeting place, they could select some point adjacent to St. Louis, where the convention could be held with some degree of satisfaction.

Frank Deller, nephew of R. Witterstætter, was married Wednesday evening, June 10. Frank, we all wish you many years of happiness.

C. P. Dietrich, of Marysville, Ky., was in the city, also Charles Weltz, of Wilmington, O. E. G. GILLETT.

San Francisco.

Flower Show.

For the benefit of Redwood City's free kindergarten the citizens of the town gave a very successful Flower Show last week under the auspices of resident ladies. The nurseries and private homes of Menlo Park and San Mateo joined with their neighbor, Redwood City, as competitors for prizes and honors.

News Notes.

A result of ex-Queen Liliuokalani's recent visit to San Francisco is a good supply order on the John H. Sievers Company for choice ferns and the new developments she saw in carnation and orchid lines, and that were very much to the Queen's taste. She wants to grow the plants in her famous Honolulu gardens.

Leopold & Ephraim are enlarging their downtown Post street store, the show-window space having been increased 50 per cent. Side wall mirrors are being set and the walls and ceiling covered with an olive green coating.

J. W. Bagge, gardener to the Crocker estate, has his mind on the coming dahlia show, to be held under the auspices of the Pacific Coast Horticultural Society, his determination being to enter some cactus varieties that will corral all first prizes.

E. P. Hosp, Riverside, is moving his headquarters to Oceanside. His hothouses in Riverside are also being transferred to Oceanside. ALVIN.

Manhattan, Kas.

Henry Moore was one of the unlucky florists who was first hit by hail and afterwards flooded by water. He was insured in the Florists' Hail Association.

Kansas City.

Disastrous Floods.

Not in many years has there occurred a disaster that has crept into the avenues of all lines of business as the present inundation is doing in this city. Although none but the manufacturing portions have been swept by water, nevertheless society in general has postponed its various functions and turned its attention to the great charitable work of caring for the hundreds who have lost everything. A fair estimate of the amount of money required alone will be $250,000. In addition to this liberal subscription many carloads of provisions and clothing are being daily disbursed.

It will be readily seen that the man who does not deal in the absolute necessaries of life is the first to feel the business depression, and the florists have been in the front row in this class. Supplies have been shut off from Chicago, and even small orders could not be filled. Several retailers doing business on the city market were requested to give their spaces to the vegetable merchants.

The growers dependent on city water experienced some annoyance, since the great main pipe was washed away, but fortunately this is a season when the houses are not heavily stocked.

At the Electric Park the landscape work is a total loss, having been under 5 feet of water for six days. The bottom lands in this locality are principally occupied by vegetable growers, and many thousands of feet of glass were wrecked in conjunction with crops.

The Blair & Kaufman nursery, near Argentine, has suffered heavily. The small stock was completely washed out of the soil and the larger stock flattened to the ground by the heavy rush of water and driftwood. At this point the Kaw River is two miles in width, which at its normal tide is but 150 feet.

Jottings.

Samuel Murray has returned from Excelsior Springs.

W. L. Rock was cut off from his home for three days. He spent the time at Excelsior.

James Payne has taken posession of the Ducret place recently purchased.

R. S. Brown & Co. report the heaviest Spring business in the record of their place. Decoration Day trade was light, owing to heavy rains.

ELLSWORTH.

Chicago.

News Items.

The cool weather of the past week has caused a shortage in some lines, and quite an improvement in the quality has been noticeable, especially in roses, which suffered considerably during the recent warm spell.

At present we are experiencing the dullest June the Chicago cut flower market has ever seen. The cause is attributed in a great measure to the unsatisfactory labor troubles the city is passing through; also the flooded conditions of some of the large southern cities, all good shipping points, which are hard to reach by express, unless by a roundabout route and a delay of several hours, or a day or more. Some of the express companies have refused to handle cut flowers destined for those points, consequently a considerable quantity has been thrown on the local market. Plant trade continues good; better than in former years.

Business among the retailers is as good as usual at this time of the year.

John Hoeft, formerly of Park Ridge, has opened a cut flower store in Elgin.

J. B. Deamud is receiving the cut of peonies of the Chicago Carnation Company, Joliet. Some very fine flowers are to be seen, and they are selling at a good price.

Vaughan's Greenhouses, at Western Springs, are sending some very fine peonies to the firm's stand in the Chicago Cut Flower Growers' Market.

F. Ben reports plant trade with him as a great deal better than in former years. His cut of carnations is extra heavy at this time.

A. Fuchs reports trade extra good. His place is in fine condition at present; he is devoting it chiefly to the growing of palms, ferns and rubbers.

At Lincoln Park everything has a Summer appearance. The bedding plants are all set out and are finer than ever before. In the center of the garden are two large mounds of subtropical plants, consisting of palms, rubbers, acalypha, caladiums, pandanus, alocasias, Schinus molle, abutilons and peperomias, which will in time, when their colors are brought out, make a beautiful sight. Pansies are in fine shape and were never better than they are this year. Head Gardener Stromback finds Sarah Bernhardt the best dark red geranium, with Harrison for light red. These two, with La Favorite, Mrs. Hill and La Constable, constitute the bedding geraniums he uses. Four canna beds are filled with Florence Vaughan, Egandale and Mme. Crozy. Fine beds of Smith's begonias are seen, also one of Stella Gurney ageratum. In the conservatories the chief attractions are fuchsias, pelargoniums, begonias and gloxinias, which are extra well grown. Bougainvillea Sanderiana was in bloom and presented a pretty sight.

The building inspectors have condemned the building in which Walter Kreitling's store is located, as a fire trap.

The Fleishman Floral Company is doing a good business at present, greatly in excess of last year. The firm has several large wedding orders booked for this month.

It is rumored that a movement is on foot among the wholesale commission houses to close on Sunday during July and August, the stores to be kept open on Saturdays until 7 o'clock p. m.

Poehlman Bros. are sending to their commission house the finest Bride and Bridesmaid received on the Chicago market.

W. J. Keimel and Richard Salm, for several years American Beauty growers with Poehlman Brothers Company, at Morton Grove, Ill., have taken an interest in the greenhouses of Brant & Noe, at Forest Glen, and will take full charge on the 15th. They will open a wholesale department in the Chicago Cut Flower Exchange, with Mr. Brant in charge. The firm will be known in future as The Brant & Noe Floral Co.

Visitors included H. A. Bunyard, representing Clucas & Boddington Co., New York; E. N. Zetlitz, Lima, Ohio; F. W. Ball, Cincinnati, Ohio.

R. JOHNSTONE.

Montclair, N. J.

This place is showing uncommon activity in planting. J. C. Williams, of the Chestnut Hill Nurseries, speaks of unprecedented business in this line. Fortunately, however, most of his sales have been among patrons with water at their command. Mr. Williams' crop of strawberries, of great early promise, has suffered.

A. S. Wallace is building a new greenhouse in upper Montclair to accommodate his trade in that section. The house is 18x75 feet and will be used for growing miscellaneous stock.

Robert McImes is back with Paul Wilcox on upper Mountain avenue.

Mr. Read has found employment at Turner's, just beyond. J. B. D.

Warren, Pa.

Jacob Onerle is engaged in tearing out his greenhouse which fronts Conewango avenue and the structure will be replaced this Summer by a three-story brick building. The first floor will be employed as a salesroom for the product of the greenhouses, and the second and third floors will be divided into four tenement apartments.

HORTICULTURIST (on his travels)—Are you having any trouble in this part of the country with the San Jose scale?

STAGE DRIVER—I can't say for certain, but I think I heerd some of the boys say the bosses had refused to sign it.—Chicago Tribune.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

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THE E. F. WINTERSON CO.
Successors to McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

		Names and Varieties	Chicago June 2, '03	St. Louis June 8, '03	Cincinnati June 9, '03	Milwaukee June 5, '03	Detroit June 10, '03
		A. BEAUTY, fancy—special	20.00 to 24.00	20.00 to 25.00	...... to 25.00	...... to 25.00	...... to 30.00
Roses		" extra	18.00 to 20.00	15.00 to 18.00	16.00 to 20.00	15.00 to 18.00	...... to 25.00
		" No. 1	12.00 to 15.00	8.00 to 12.50	8.00 to 12.00	10.00 to 12.00	...... to 20.00
		" Culls and Ordinary	4.00 to 8.00	2.00 to 6.00	3.00 to 4.00	4.00 to 8.00	5.00 to 10.00
		Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
		Bride, 'Maid, fancy—special	5.00 to 6.00	5.00 to 6.00	...... to	...... to 6.00	...... to 6.00
		" extra	4.00 to 5.00	...... to 4.00	4.00 to 6.00	...... to 4.00	...... to 5.00
		" No. 1	3.00 to 4.00	...... to 3.00	2.00 to 4.00	...... to 3.00	...... to 4.00
		" No. 2	...... to	...... to 2.00	2.00 to 3.00	...... to 2.00	...... to 3.00
		Golden Gate	4.00 to 8.00	3.00 to 6.00	4.00 to 6.00	4.00 to 6.00	3.00 to 6.00
		K. A. Victoria	3.00 to 6.00	2.00 to 6.00	4.00 to 8.00	4.00 to 6.00	3.00 to 8.00
		Liberty	4.00 to 20.00	3.00 to 6.00	...... to	4.00 to 8.00	...... to ......
		Meteor	3.00 to 6.00	3.00 to 6.00	...... to	4.00 to 6.00	3.00 to 6.00
		Perle	3.00 to 6.00	3.00 to 4.00	...... to 4.00	4.00 to 6.00	3.00 to 5.00
		ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to 50.00
		Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations		Inferior grades, all colors	...... to	1.00 to 1.50	...... to	1.00 to 1.50	...... to 1.00
	STANDARD VARIETIES	White	1.50 to 2.00	...... to 2.00	...... to 2.00	1.00 to 1.50	...... to 1.00
		Pink	1.50 to 2.00	...... to 2.00	1.50 to 2.00	1.00 to 1.50	...... to ......
		Red	1.50 to 2.00	...... to 2.00	1.00 to 1.50	1.00 to 1.50	...... to ......
		Yellow and Var,	1.50 to 2.00	...... to 2.00	...... to	1.00 to 1.50	...... to 1.50
	*FANCY— (*The highest grades of standard var)	White	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	2.00 to 4.00	...... to 2.00
		Pink	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	2.00 to 4.00	...... to ......
		Red	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00	2.00 to 4.00	...... to ......
		Yellow and Var.	2.00 to 3.00	2.50 to 3.00	...... to 3.00	2.00 to 4.00	...... to 2.50
		NOVELTIES	3.00 to 4.00	...... to	...... to	...... to	...... to ......
		ADIANTUM	1.00 to 1.50	...... to 1.00	...... to 1.50	...... to	1.00 to 1.50
		ASPARAGUS	30.00 to 50.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	20.00 to 50.00
		CALLAS	6.00 to 10.00	6.00 to 8.00	...... to 10.00	...... to 10.00	...... to 10.00
		DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
		DAISIES	.50 to 1.50	...... to	...... to	...... to .50	.25 to .50
		GALAX LEAVES	...... to	...... to .15	...... to .15	...... to .20	...... to .10
		GLADIOLUS	...... to	...... to	...... to 5.00	...... to 4.00	...... to ......
		HYACINTHS	...... to	...... to	...... to ..	...... to	...... to ......
		LILIES	6.00 to 10.00	...... to	...... to 15.00	...... to	...... to 10.00
		LILY OF THE VALLEY	3.00 to 4.00	...... to 4.00	...... to 4.00	...... to 4.00	4.00 to 5.00
		MIGNONETTE—Ordinary	...... to	...... to	...... to	...... to	...... to 2.00
		" Fancy	...... to	...... to	...... to	...... to	...... to 3.00
		NARCISSUS	...... to	...... to	...... to	...... to	...... to ......
		PANSIES	.75 to 1.00	...... to	...... to	...... to	...... to ......
		SMILAX	12.00 to 15.00	...... to 15.00	...... to 15.00	...... to 18.00	...... to 15.00
		STEVIA	...... to	...... to	...... to	...... to	...... to ......
		SWEET PEAS	1.00 to 1.50	.40 to .75	.25 to .50	...... to .50	.35 to .50
		TULIPS	...... to	...... to	...... to	...... to	...... to ......
		VIOLETS	...... to	...... to	...... to	...... to	...... to ......

JOHN MUNO
Wholesale Grower and Shipper of
Cut Flowers
51 Wabash Ave. Room 221, Chicago
Telephone Central 3598. All telegraph and telephone orders given prompt attention.

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All telephone and telegraph orders given prompt attention.

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USE IT NOW.
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WHY NOT BUY
RED POTS
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STANDARD SIZE
Quality -No Better.
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Best Pot in the Market.

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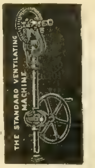

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Don't let the bugs take everything. Keep a little for yourself.

You need not let them take anything if you will use NICOTICIDE as vapor or spray. Then all you have to do is to watch the bugs drop dead.

Of all Seedsmen.

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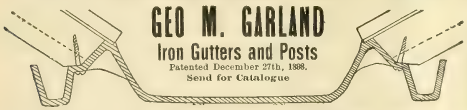

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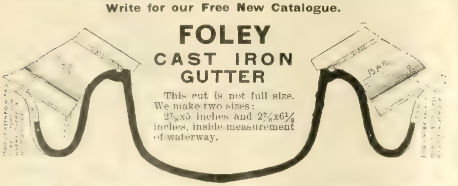

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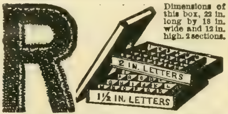

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1 lb. Tin Can ...	$0.25	25 lb. Sealed Box	$4.50
5 " " ...	1.00	100 " " "	16.50

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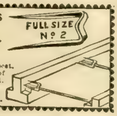

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Mention the Florists' Exchange when writing.

Worcester, Mass.

Showers have come at last, too late perhaps to save an entire crop; but enough water has fallen to brighten up our disheartened farmers. Seeds have germinated so poorly that the seedsmen have been driven almost crazy by the abuse they have been forced to receive. The dry spell has increased the demand for millets for catch crops, with Hungarian and Japanese millet as the two leaders. Corn of every description is running close, and according to the Florists' Exchange of June 6, the prospects are not very bright for next season's stock.

The Worcester Conservatories is a new firm recently organized under the laws of the State of Illinois for the purpose of raising roses in this city. Fred G. Davis, of the firm, is personally superintending the erection of seven houses, each 300 feet by 30 feet, with a propagating house 150 feet by 15 feet. Walter Tappan, formerly with the Dale estate in Brampton, Ontario, has been secured as general superintendent. The rose houses are rapidly assuming shape. The first one will be ready in about two weeks and the others will follow in rapid succession. When completed Worcester will have added 100,000 feet of glass to its rapidly growing lot of greenhouses.

At the weekly exhibition of the Worcester County Horticultural Society, June 4, President O. B. Hadwen won two first prizes on rhododendrons and peonies. As usual, Fred A. Blake, of Rochdale, and Edward W. Breed, of Clinton, carried off many honors. There was a large attendance, owing principally to the display of wild flowers.

CAROLUS.

BANGOR, ME.—Carl Beers had the decorations of the County Court House on the occasion of its dedication on June 2. The floral work is highly spoken of by the local press.

GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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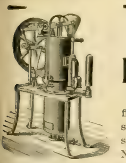

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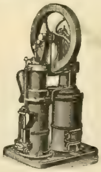
If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.



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CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

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We Furnish Everything for Building.

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SECTIONAL HOT WATER BOILER

Highest Award at Florists' Convention, S. A. F. O. H., 1900, 1901, 1902.

For Large and Small Ranges. Highest Economy. Moderate Cost.

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Greenhouses and Conservatories erected complete with our Patent Iron Construction. Plans and estimates on application, either for structures complete, or for material only, ready for erection.

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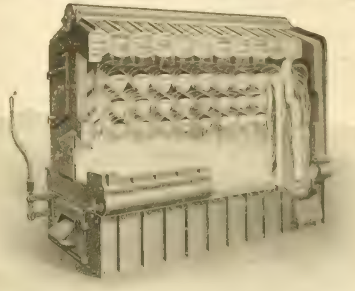

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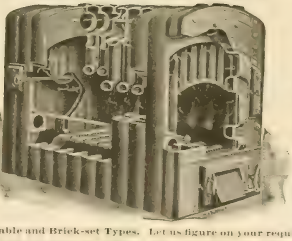

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New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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Largest Stock in the Country

Send for Illustrated Catalogue.

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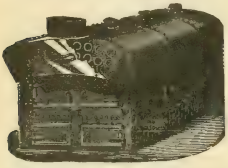

Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

Special Trade List.

	In. pots	doz.	100
Anthericum variegatum	3	$0.75	$5.00
Abutilon Savitzii	2	.60	3.00
Bouvardias, white, scarlet and pink	2½	.50	3.00
Cannas, Queen Charlotte, Florence Vaughan, Mme. Crozy, Egandale	3	.60	4.00
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Dracæna Indivisa	3	.75	5.00
Echeveria secunda glauca			4.00
Echeveria glauca, strong plants	4	1.00	
Golden Feather, $15.00 per 1000.	2		2.00
Hope Vines,	4	1.00	
Hydrangea, Thos. Hogg	2	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10.00
Passiflora cœrulea	3	.75	5.00
Tropæolum, double dwarf	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
Violets, Princess of Wales and La France		.50	3.00
Forget-me-not (Palustris) in bloom		.50	3.00
Moonvines	2½	.50	3.00
Chrysanthemums, a full line of the best varieties	2½		2.00

C. Eisele, 11th and Jefferson Streets, **Phila., Pa.**

Mention the Florists' Exchange when writing.

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For insurance against damage by hail, address
JOHN G. ESLER, Sec'y F. H. A., Saddle River, N. J.

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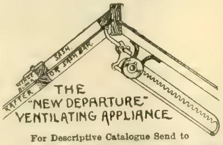
GOOD SASH LIFT

For a Very Little Money, Get



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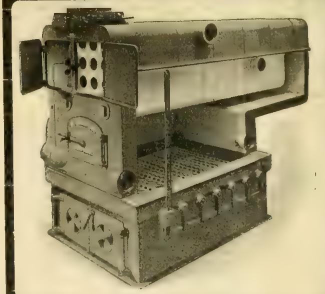

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EFFICIENT
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PERFECT SASH OPERATING APPARATUS.

Send four cents for our illustrated Catalogue on Greenhouse Construction; also our Heating Catalogue.

Plans and Estimates on application.

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233 Mercer Street,
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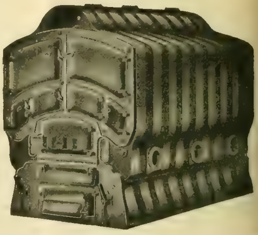
THE PERFECT HORTICULTURAL BOILERS

Sectional and Round—Water and Steam

PIERSON BOILERS



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Ventilating Apparatus

Iron and Cypress Framed Greenhouses

Iron Frame Benches, Slate, Tile or Wood Tops

Greenhouse Material and Specialties

WRITE OR WIRE FOR PRICES.

THE PIERSON-SEFTON CO.

Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

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MANUFACTURER OF

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Importer and Dealer in FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE
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GREENHOUSE MATERIAL

Manufacturers of Cal. Red Cedar and Louisiana Cypress.
BEST GRADES PERFECT WORKMANSHIP
WRITE FOR CATALOGUE.

A. DIETSCH & CO., 615-621 Sheffield Avenue, **CHICAGO, ILL.**

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CLEAR CYPRESS ABSOLUTELY FREE OF SAP

After you have tried "Cheap Material" and find that it is not cheap, "TRY OURS."

Our material costs a little more than that furnished by planing mills, but it lasts much longer, as those who have tried both will certify.

Our large list of satisfied customers is our strongest endorsement.

If you want good material at proper prices, get ours.

Estimates cheerfully furnished.

JOHN C. MONINGER COMPANY.
GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
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IT PAYS TO PAY FOR QUALITY

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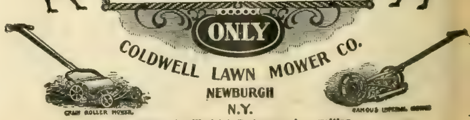

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HIGH GRADE
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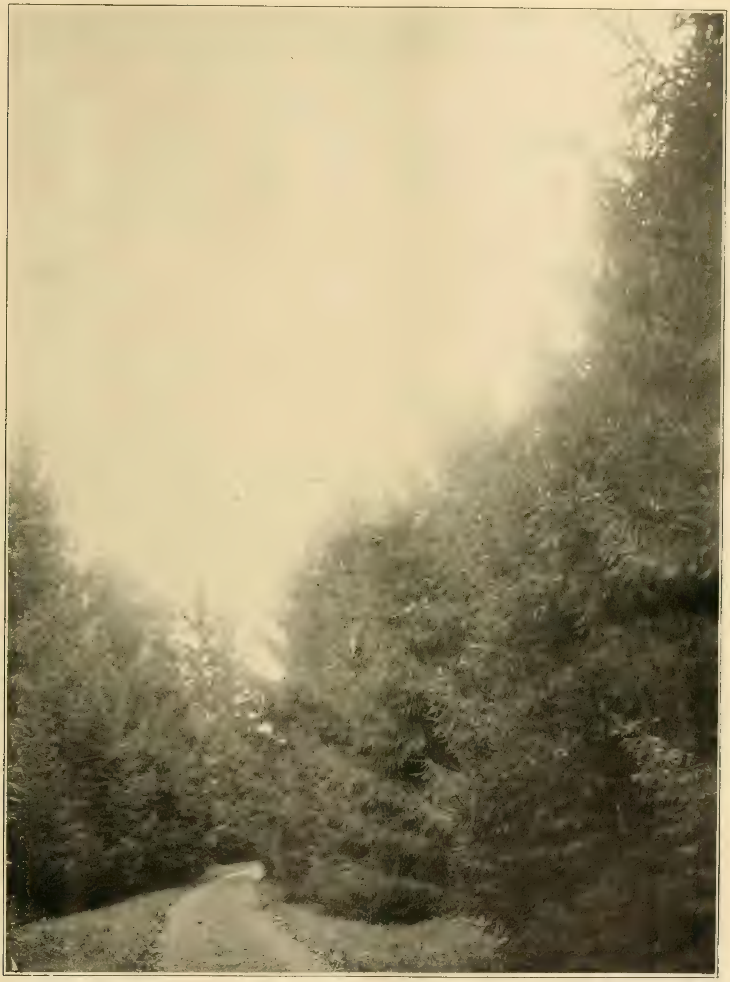

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Plate 54

AN AVENUE OF NORWAY SPRUCE TREES

On the Phelps Estate, Teaneck, N. J. Planted in 1880 when but 18 inches high, the trees have reached a height of 45 feet.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 25 NEW YORK, JUNE 20, 1903 One Dollar Per Year

CANNAS

Fine plants in pots, ready for immediate planting, extra choice sorts. Pierson's Premier, Sam Trelease, Luray, Queen Charlotte, Italia, Florence Vaughan, Robert Christie, F. Neuvessel, Crimson Bedder, Alphonse Bouvier, Secretaire Chabanne, Improved Pillar of Fire, Pres. Max Michelli, Duke of Marlborough, Mlle. Berat, Mme. Crozy, etc., $6.00 per 100.

New, extra choice, mammoth-flowered. Pennsylvania (scarlet), Kate Gray (orange), Pandora (a beautiful bronze-leaved Italian sort), $10.00 per 100.

Buttercup, new dwarf golden yellow Canna, extra choice, $12.00 per 100.

HYDRANGEAS, fine, large specimens in tubs and half-barrels, for lawn decoration. These plants will be in flower during July and August, and are just beginning to come into bud.

Fine plants in tubs that will throw about 15 blooms, $2.00 each.

Larger specimens in half barrels that will throw 25 or more blooms, $5.00 each.

NEPHROLEPIS PIERSONI (The Pierson Fern). See special advertisement in this issue, page 604

ASPIDISTRA VARIEGATA, fine plants, $1.50 each.

BAY TREES, Standards, with heads 3½ to 4 ft. in diameter, $15.00 to $20.00 each.

Standards, extra large and very fine specimens, $40.00 each.

CALADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference, $3.00 per 100.

DRACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12 cts. each; extra strong stock, 7 in. pots, 3 ft. high, $1.00 to $1.50 each.

DRACÆNA MASSANGEANA, 7 in. pots, finely colored, $1.50 each.

PANDANUS VEITCHII, 6 in. pots, finely colored, $1.00 each.

PANDANUS UTILIS, 6 in. pots, $1.00 each.

MUSA ENSETE (Abyssinian Banana), fine large specimens, $2.00 each.

RUBBER PLANT (Ficus Elastica). Fine for piazzas, hotel decoration, etc. Large, perfect leaves in best possible condition. 6 in. pots, 2 ft. high, 50 cts. each; 2½ ft. high, 75 cts. each; 3 ft. high, $1.00 each; extra large specimens, three plants in a pot, bushy, in perfect condition, with leaves right to the pot, 5 ft. high, $5.00 each.

KENTIAS, in fine shape, grown cool and very hardy, extra value, $1.00, $2.00, $3.00 and $4.00 ea.

LATANIAS, large sized plants, fine for decorating, $2.00, $3.00 and $4.00 each.

BOXWOOD, pyramidal and untrimmed, 3 ft. high, $2.00 each; 3½ to 4 ft. high, $3.00 each.

VINCAS, 3½ in. pots, $10.00 per 100; 2¼ in. pots, very strong stock, nice tops, $4.00 per 100.

ENGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long, $12.00 per 100. 2¼ in. pots, very nice, 12 to 18 in. long, $6.00 per 100.

DAHLIAS, a fine assortment of Cactus, decorative and show varieties, all named, $6.00 per 100.

ALYSSUM, Tom Thumb and Double, $3.00 per 100.

SHASTA DAISY, strong plants from frames, $8.00 per 100.

FUCHSIAS, fine assortment, named varieties, 2¼ in. pots, $3.00 per 100.

ABUTILON Savitzii, Duc de Malakoff Variegated and Eclipse, 2¼ in. pots, $4.00 per 100.

IVY-LEAVED GERANIUMS, extra strong, 4 in. pots, $8.00 per 100.

HARDY PHLOX, extra fine assortment, named varieties, $6.00 per 100.

TUBEROSES, $1.00 per 100.

MADEIRA VINE, $2.00 per 100.

LOBELIA Gracilis and Compacta, $3.00 per 100.

AMERICAN BEAUTY ROSES, strong plants, 2¼ in. pots, $7.50 per 100; $60.00 per 1000.

SMILAX, strong plants, 3½ in. pots, $6.00 per 100.

WICHURAIANA or EVERGREEN ROSES, fine named varieties, extra strong stock, 3½ in. pots, $12.00 per 100.

FERN BALLS, large size, in fine shape, $3.00 per doz.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

ROSE PLANTS

Large, Clean, Healthy Own Root Stock

BRIDE	2¼ Inch	$4.00 per 100 $35.00 per 1000
BRIDESMAID	3½ Inch	$7.00 per 100 $60.00 per 1000

Now is the time to order before stock is all sold

W. H. ELLIOTT, Brighton, Mass.

YOU ARE NOT TOO LATE

We Can Still Furnish You With STARTED CANNAS

Good Strong Plants from Flats, ready for setting out.

50 Started Cannas, of one kind in flat, $1.40 per flat.

Assorted Kinds, 50 cts. per doz.; $3.00 per 100; $25.00 per 1000. Varieties as follows: Shenandoah, dark foliage; Grand Rouge, Alphonse Bouvier, Chas. Henderson, Flamingo, Florence Vaughan, Alsace, Paul Marquant, Madame Crozy, Queen Charlotte, Italia, Austria, Burbank.

Dormant Roots of the above sorts, large pieces, 3 and more eyes, at 25 cts. per doz.; $1 50 per 100; $12.50 per 1000.

CALADIUM ESCULENTUM

Started in Flats, each flat containing 50 strong plants, $2.00 per flat; 75 cts. per doz.; $30.00 per 1000.

Dormant Bulbs, all with center shoots

6-8 in.	$1.50 per 100;	$10.00 per 1000.
8-10 in.	2.00 "	15.00 "
10-12 in. and over	4.00 "	35.00 "

DAHLIAS Large Field Roots.

Named Varieties, Fancy Show Cactus and Pompon	$6.00 per 100;	$50.00 per 1000.
Mixed, all colors	4.00 "	35.00 "
Separate colors, pink, red, yellow and white	4.50 "	40.00 "

FERN BALLS Cheap to Close.

5 to 7 in., in fine, fresh condition, $1.50 per doz.; $12.00 per 100.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET TELEPHONE 4390 SPRING **New York City**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

PALMS

We Have Many Thousands of KENTIAS, ARAUCARIAS, FICUS and BAY TREES.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock, and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch	No. of leaves	Height, ins.	Per doz.	Per 100	Per 1000
2½	3-4	8	$1 50	$12 00	$100 00
3	4-5	10-12	3 00	15 00	140 00
4	5-6	15-18	4 00	25 00	225 00
5	5-6	18-22	6 50	50 00	
5½	5-6	22-24	9 00	75 00	
			Each	Per doz.	
6	6	24-26	$1 00	$10 00	
6	6-7	26-28	1 25	15 00	
6	6-7	28-30	1 75	21 00	
7	6-7	30-33	2 50	25 00	
7	6-7	33-36	3 00	36 00	
7	7-8	36-40	4 00	48 00	
8	7-8	40-45	5 00	60 00	
8	7-8	45-50	6 50	75 00	
8	7-8	50-55	7 50	85 00	
9	7-9	55-60	10 00	115 00	
10	7-9	60-65	12 50	145 00	
12 tubs		65-70	15 00		

12 Made-up plants, 65-70, $17.50 each.
14 " " 7-8 feet, $25.00 to $35.00 each.

KENTIA FORSTERIANA.

Inch.	No. of leaves	Height	Per doz.	Per 100	Per 1000
3	3-4	12 in.	$2 00	$15 00	$140 00
4	4-5	15	4 00	25 00	225 00
5	5	15-18	6 00	50 00	
5½	5	18-20	7 50	60 00	
6	5	20-24	9 00	75 00	

Inch	No. of leaves	Height	Each	Per doz.
6	5-6	24-28	$1 00	$10 00
6	5-6	28-30	1 25	12 00
6	6	30-32	1 50	15 00
6	6-7	32-36	2 00	20 00
7	6-7	36-42	3 00	30 00
8	6-7	48-52	4 00	50 00
9	6-7	52-60	5 00	
9	6-7	60-65	7 50	
10	6-7	65-75	12 50	
12 tubs	7-8	7-8 ft.	18 00	

12 " made up 7-9, $20.00 to $30.00 each.

1500 BAY TREES IN ALL SIZES.

ASK FOR PRICES.

PHŒNIX CANARIENSIS, We have a very fine lot of these, fine for decorating or retail sales, from $5.00 to $20.00 each.

ARAUCARIA EXCELSA.

	Each
5 in. pots, 10-12 ins. high	$0 75
5 " " 12-14 " "	1 00
6 " " 14-16 " "	1 25

ARAUCARIA EXCELSA GLAUCA.

	Each
6 in. pots, 10 ins. high	$0 75
Specimen plants	$2.00 to $3.00

BOSTON FERNS.

These are now in benches, good for 5-6 in. pots, $25.00 per 100.

Ready for 3-4 in. pots, $10.00 per 100.

FUNKIA VARIEGATA, in pots, $5.00 per 100; $40.00 per 1000.

AMPELOPSIS VEITCHII, $10.00 per 100.

SPECIMEN ENGLISH IVY, 6-7 ft., $1.00 each.

BOXWOOD, in Standards, Pyramids, Globe and Clipped forms, all sizes. Ask for Prices.

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

FALL BULBS

DUTCH, FRENCH and JAPANESE. All Kinds.

We are pleased at all times to receive visitors at our Nurseries. We have 75 acres planted with the most interesting stock in the country. Ask for Fall Bulb Catalogue Now Ready.

BOBBINK & ATKINS, - Rutherford, N. J.

Mention the Florists' Exchange when writing.

St. Davids Island HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

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REED & KELLER

122 West 25th St., New York.

RUSTIC WORK

ALL KINDS

Tables, Chairs, Settees, Window Boxes, Tree Stumps, Stump Tubs, Bird Houses, Pedestals, Rustic Fence Etc., Etc. Superior Workmanship.

Rustic Hanging Baskets.

Size	8	9	10	11	12	13	14
Price, each	$0 50	$0 65	$0 80	$0 90	$1 10	$1 25	$1 50
" Per doz	5 50	6 75	8 75	9 75	11 35	13 00	17 00

Importers and Manufacturers of All Kinds of **FLORISTS' SUPPLIES.**

NOVELTIES CONSTANTLY ON HAND.

Mention the Florists' Exchange when writing.

"WOULDN'T THAT FREESIA."

But Xmas is Coming, get in line,
Plant now and have ready in time.

BULBS NOW READY

The purest strain of

White-flowered FREESIA

In existence. Very free blooming.
We control entire stock.

	Per 100	Per 1000
CHOICE	$0 85	$7.50

ALSO

OXALIS BUTTERCUP.

	Per 100	Per 1000
MMAMMOTH	$1.00	$9 00
STRONG	.85	7 50

Samples mailed if desired.

LILIUM HARRISII.

Indispensible for Early Forcing.

Our own growers pack all our Burmuda Bulbs. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you. Write for prices before closing any forcing stock orders.

84 & 86 Randolph St., CHICAGO. **VAUGHAN'S SEED STORE** 14 Barclay Street, NEW YORK.

Mention the Florists' Exchange when writing.

CYCAS STEMS

SIZES			
2 to 3 lbs.	Price per	10 lbs.,	$1.00
4 to 5 lbs.	" "	50 lbs.,	4.00
6 to 7 lbs.	" "	100 lbs.,	7.50
	" "	1000 lbs.,	65.00

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BRANCH STORE, 404 EAST 34TH ST.

MUSHROOM SPAWN

First Quality
Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

Mention the Florists' Exchange when writing.

Beaulieu's Hardy White Onion

Ounce, 20c.; pound, $2.00. Send for testimonials. On page 85 of Greiner's "New Onion Culture." appears an account of this Onion. **Special Offer.** Every purchaser of one or more pounds of seed can have a copy of this new book, free. **Pansy Seed** as usual. Any one ordering a copy of The American Carnation at $3.50, through me, will receive ¼ oz. of Mme. Perret Pansy Seed (value $1 25) free.

BEAULIEU, Woodhaven, N.Y.

Mention the Florists' Exchange when writing.

Callas—Freesias

Ready for delivery during July and August. Will book your order now at the following prices:

CALLAS

1 to 1½ in. in diameter at $3.00 per 100.
1½ to 2 " " 5.50 "
2 to 2½ " " 7.50 "

FREESIAS

⅜ in. in diameter at $3.00 per 1000.
½ " " 4.25 "
⅝ " " 7.50 "

PACKING FREE. We also offer the following

PALM SEEDS

Phœnix Canariensis at $1 00 per 1000.
Phœnix Reclinata at $4.00 per 1000.
Washingtonia Filifera at 75c. per pound (in hull).
Washingtonia Robusta at $1.00 per pound (in hull).

Cash with order from unknown parties,

GERMAIN SEED & PLANT CO.,
LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii
and
Lilium Longiflorum
and all other bulbs. Also
Cycas Revoluta Stems.

J. M. THORBURN & CO.
36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

BAY TREES

Standard, extra fine, 2 ft. diam., $10.00 per pair.
Pyramid, " " 5 " high, 10.00 per pair.

LATANIA BORBONICA,	extra heavy, 5 ft. high	$3.00 each.
" "	fine large, 3 " "	1.25 "
PHŒNIX CANARIENSIS,	extra heavy, 5 " "	3.00 "
" "	fine large, 3 " "	1.75 "
KENTIA FORSTERIANA,	extra fine, 5½-6 ft. high	2.75 "
" "	fine large, 5 ft. high	2.00 "

CYCAS REVOLUTA STEMS, from ½ lb. to 6 lbs., per 100 lbs., $7.50.
FERNBALLS, dormant, 7 x 9, $22.50.

F. W. O. SCHMITZ, Prince Bay, N.Y.

RUPP XXX SEEDS.

Primrose Seed, Improved Chinese Finest grown, large flowering fringed, single and double, fifteen varieties mixed, 500 seeds, $1.00; half pkt., 50 cts. Have also the varieties separate.

PANSY FINEST GIANTS

The best large flowering varieties, critically selected. Mixed, 5000 seeds, $1.00; half pkt., 50 cts.; highly praised by our many florist customers.

DAISY. Finest Double Giant, pure white and rose, mixed or separate, 1000 seeds, 25c.
CALCEOLARIA. Finest dwarf large flowering tigered and spotted, 1000 seeds, 50 cts.
PRIMULA OBCONICA Grandiflora. Finest large flowering to be had. 1000 seeds, 50c.
CINERARIA. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

Cash. A pkt. of the new ever-blooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

JOHNSON & STOKES' KINGLY COLLECTION PANSY.

Unquestionably the finest strain of Giant Pansies now offered to the trade.

1000 Seeds, 30c.; 2000 Seeds, 50c.; 5000 Seeds, $1.00; per oz., $5.00.

CINERARIA, CALCEOLARIA AND CHINESE PRIMROSE.

UNRIVALED STRAINS FROM ENGLISH SPECIALISTS.

CINERARIA, English Prize Giant Flowering Mixed, per pkt. 500 seeds, 25c.; ½ tr. pkt., 60c.; tr. pkt., $1.00.
CALCEOLARIA, English Prize Giant Flowering Mixed, " " 25c.; ½ " 60c., " 1.00.
PRIMULA (Chinese Primrose) English Prize Fringed Mixed, per 100 seeds, 25c.; 500 seeds, $1.00, 1000 seeds, $1.50.

TUBEROSES. Dwarf Excelsior, Double Pearl.

To induce QUICK SALE we make this EXCEPTIONAL OFFER to clear.

	Per 100	Per 1000	Regular Price
Mammoth Bulbs, 4-6 inches and over, 5,000 for $20.00	$0.60	$4.50	$7.00
Second Size, splendid value, 3-4 inches and over, 5,000 for $10.00	.25	2.25	4.00

JOHNSON & STOKES, 217 and 219 Market St, PHILADELPHIA, Pa

Mention the Florists' Exchange when writing.

Pansy Seed

New Crop Ready July 1st.

Peter Brown, Lancaster, Pa

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June

Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam.	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.

VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

Mention the Florists' Exchange when writing.

SEASONABLE SEEDS

	100	1000
Asparagus Sprengeri	.20	$1.00
" **decumbens** (novelty)	.85	7.50
Phœnix reclinata (true)	.40	3 00
" **canariensis** (true)	.30	2.50
" **rupicola**	.75	7.00
Areca Lutescens	.75	6.00
Pandanus utilis	.65	6.00
Primula sinensis fimb., in pure white, rose, crimson, blue, white with yellow eye	.25	1.75
Primula mixed	.20	1.50

Cineraria hybrida grandi., and maxima or dwarf. Pkt. 25 cts.; 5 pkts., $1.00.
Calceolaria, finest tigered and spotted, large flowers, 500 seeds, 25 cts.

H. H. BERGER & CO. 47 Barclay St., New York.

LONG ISLAND GROWN CABBAGE SEED

Ask for prices for 1903 crop; also on surplus stock 1902 crop.

B. E. GOODALE, Grower, Calverton, L. I., N. Y.

Mention the Florists' Exchange when writing

CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS

Special Prices on Application.

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co

NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

ZIRNGIEBEL

Giant Pansies

OF MARKET AND FANCY STRAINS

Are the finest grade this season, that we ever sent out, when large size and colors are required, As growers, and knowing every strain of note in cultivation, we can recommend our Pansies as unequalled. New Crop Seed ready now, in trade packages, either strain, at $1.00 each.

DENYS ZIRNGIEBEL

Needham, Mass.

Mention the Florists' Exchange when writing.

GLADIOLI

Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone 9x. BERLIN, N. Y.

United States Grower and Representative of Groff's Hybrids.

STOP

At 66 N. Front Street, PHILADELPHIA

When visiting the Seedsmen's Convention and look at the two cabinets of UP-TO-DATE ELECTROTYPES, containing over 1,300 cuts of Flower and Vegetable Seeds. Will be sold for one-tenth of cost.

CUT THIS OUT

NOW IS THE TIME TO SOW MICHELL'S CELEBRATED

PRIMULA SEED

Kermesina Splendens, fringed red, ½ tr. pkt., 60c.; tr. pkt., $1.00.
Alba Magnifica, fringed white, ½ tr. pkt., 60c.; tr. pkt., $1.00.
Holborn Blue, fringed blue, ½ tr. pkt., 60c., tr. pkt., $1.00.
Michell's Mixed "Prize Strains," ½ tr. pkt., 60c.; tr. pkt., $1.00.
Fern Leaf, mixed, ½ tr. pkt., 60c.; tr. pkt., $1.00.
Forbesi, "Baby Primrose," tr. pkt., 30c.
Obconica Grandiflora, white 1-16 oz., $1.00; tr. pkt., 30c. Pink, Red, tr. pkt., 40c. Finest Mixed, tr. pkt., 30c.

CINERARIA

MICHELL'S Prize Dwarf, ½ tr. pkt., 60c.; tr. pkt., $1.00. **Prize Tall**, ½ tr. pkt., 60c.; tr. pkt., $1.00.
James' Giant Strain, mixed, ½ tr. pkt., 60c.; tr. pkt., $1.00.

HENRY F. MICHELL, Seed Growers and Importers
1018 Market Street, PHILADELPHIA

Mention the Florists' Exchange when writing.

PANSY SEED

THE JENNINGS STRAIN

New Crop Seed Now Ready.

Saved from finest stock. Finest mixed, 1 oz., $5.00; pkt. of 3000 seeds, $1.00; ½ pkt., 50 cts. Separate colors in blue, black, red, white and yellow, 50 cts. per pkt.

Cash with order.

E. B. JENNINGS, Southport, Conn.

Lock box 254. Grower of the Finest Pansies.

Mention the Florists' Exchange when writing

PRIMULA CHINENSIS,

FRINGED.

PRIZE MIXTURE.

½ Tr. Pkt., 50c. Tr. Pkt. $1.00.

D. LANDRETH & SONS

Florists' Department,

1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Not the Cheapest but the Best

Persons wanting the genuine old fashioned **Harrisii** or **Bermuda Easter Lily** (unmixed with Longiflorums or Hybrids) that can be forced by Christmas or before if required, can obtain thoroughly ripened Bulbs, August shipment. Write at once. Quantity limited.

R. H. JAMES,
Columbia and Longbird Farms,
ST. GEORGES, BERMUDA.

Cable Address: Florist, Bermuda.

Mention the Florists' Exchange when writing.

Cycas Stems

NEW STOCK
ALL SIZES

Prices:

100 LBS @ 8¢
200 LBS @ 7½
500 LBS @ 7¢

VAUGHAN'S SEED STORE,

14 BARCLAY ST., NEW YORK. 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

CANNAS

Cannas and Geraniums
$6.00 per 100.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

ASTER
COSMOS
PANSY
SALVIA
ZINNIA
BEANS
CLOVER
GRASS
ONIONS
PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

ROCKFORD, ILL.—The loss in the recent Globe building fire is estimated at $120,000. The Buckbee Seed Company used the building as a store house, and it is claimed lost $100,000 in seeds.

James B. Kidd, representing the Cox Seed Company, San Francisco, is registered at the Hotel Albert, University place and Eleventh street, New York.

Mme. Vilmorin, wife of M. Maurice de Vilmorin, died recently at the age of 43 years. She leaves five children. The flower arrangements of the deceased lady have on many occasions been greatly admired.

The Ventura (Cal.) Free Press announces that buyers are trying to bear the bean market in Ventura county, reporting among other things that the acreage this year will be 70,000. All of which the county paper named says is strenuously denied by the growers, who state the acreage last year was 30,000 and that it will be but very little more this season. ALVIN.

The firm of Churchill & Company was incorporated in New Jersey last week, with a capital stock of $10,000, to carry on a clover seed business in Toledo, Ohio. The other grain business of the Churchill interests and Paddock, Hodge & Co. was transferred to the new United Grain Company. The incorporators of the new company are Leroy S. Churchill, Arthur L. Mills and Fred L. Geddes.

R. W. Wright and wife, of the Lake Shore Seed Company, Dunkirk, N. Y., have returned after a six weeks' sojourn in California. During his stay in that State Mr. Wright visited the principal seed farms and, it being his first visit, was greatly impressed with the magnitude of the operations witnessed. He reports all crops promising, and while the acreage planted does not point to any great surplus, the present outlook does not indicate any shortage.

S. M. Isbell & Co., seed merchants, Jackson, Mich., by a recent fire in their elevator and warehouse, incurred a loss of $60,000, partly covered by insurance. The principal loss was of culinary beans, of which the firm are large handlers. Mr. Sheap, manager of the seed department of the firm, will be at the Seed Trade convention.

A circular has been distributed by the Treasury department, under date June 9, 1902, to the officers of the customs and others concerned, as follows:

"At the instance of the Secretary of Agriculture, it is hereby directed that, commencing July 1, 1903, and continuing for one year, two-ounce samples of all importations of 100 pounds or more of grass, clover, and forage plant seeds be prepared at the earliest practicable date after entry, and forwarded to the Seed Laboratory, Department of Agriculture, Washington, D. C., labeled with names and addresses of consignors and consignees, name of seed as given in the invoice and quantity of the consignment."

400,000 California Privet and more than 400 Varieties of HARDY ORNAMENTAL STOCK.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

W. & T. SMITH CO. GENEVA NEW YORK

Field Grown ROSES and CLEMATIS, ORNAMENTAL TREES SHRUBS and VINES. **FRUIT TREES.**

Wholesale Trade Catalogue on application.

American Seed Trade Association.

For the annual convention of the Association at Atlantic City, June 23-25, 1903, inclusive, a railroad rate of one fare and a third on the certificate plan for the return trip will be granted, provided 100 persons are in attendance who have paid a full first-class fare of not less than 75 cents through to place of meeting. The following subjects will be discussed: "Southern Forage Plants," by George B. McVay, Birmingham, Ala.; "The Importance of Accurate Descriptions of the Varieties of Garden Vegetables," by W. W. Tracy, Washington, D. C.; "Limiting Our List of Varieties," by Lester W. Morse, Santa Clara, Cal.; "Bulbs," by Henry F. Michell, Philadelphia; "Vine Seeds—Insect Pests and Remedies," by J. C. Robinson, Waterloo, Neb.; "Seed Advertising, Past and Present; Why it Does Not Pay Better, and Some Remedies," by Frank B. White, Chicago, Ill.; "Cabbages," by J. M. Lupton, Mattituck, N. Y.; "Trials of Peas for the Government," by C. N. Keeney, Le Roy, N. Y.; "Systems in Business," by C. E. Wilson, of the Shaw-Walker Co., Chicago; "The Application of Business Systems to the Seed Business," by H. A. McKee, of the Library Bureau, Chicago.

A neat program has been issued by Secretary Willard. The St. Charles Hotel will be the meeting place and headquarters.

The Wholesale Seedmen's League will hold its sessions on Friday, June 26.

The delegates to the American Seed Trade Association will journey to Fordhook Farm, on Saturday, June 27. Mr. Burpee is arranging to provide a special train for their comfort and accommodation.

Long Island Seed Crops.

Since our last report on the seed crop conditions on Long Island we have had all the rain we could wish, and there has been a marked improvement along all lines, the only drawback being the heavy wind that accompanied the rain, which laid low many pieces of cabbage. But the growers are doing their best to straighten things up, and if we have no more storms the injury from this source will be light. The greatest danger is from stem rot and maggot, which have ruined very many pieces.

The situation may now be summed up as follows: The general appearance is greatly improved, and the damage from storms and disease not sufficient to balance the gain, so that if there are no other disasters we may expect fully half a crop from the acreage put out in March, which was about two-thirds of the acreage contracted for last year. This, with the surplus held over, should be sufficient to fill the growers' orders, other than for some few varieties of which there is but little sale.

The outlook for kale has greatly improved, and with good weather for the next week more than an average crop will be secured; and it will require more to fill all contract orders.

Spinach has improved wonderfully. For a few days after our last report there was not a seed in sight, the plants all seemed dead or dying. But the rain and low temperature have worked wonders. There is now a fair promise of from half to two-thirds of an average crop. While there is but little grown in this country, that little seems indispensable to some of the most critical trade. Many growers, or truckers, refuse to plant unless they can get American-grown seed.

The ruta baga outlook is decidedly poor—never worse. But as American grown seed is, relatively, but little used, and the foreign crop is likely to be up to the average, there will be no shortage. The dealers who have built up a trade on the superior quality of home-grown seed may have considerable difficulty in procuring satisfactory stock.

The beans planted for seed purposes are doing much better than it was at one time seemingly possible. A good come-up and fairly good growth is the present outlook. It may have been better, if planting had been deferred until after the rains; but in that case germination would have been very poor, with the soil as cold and wet as at present. Therefore, those who planted early have been fortunate.

The drouth which had become so serious a problem for the Connecticut seedsmen has subsided and given place to a very cold, wet spell of weather for the past ten days, which has aided us materially in securing a good stand of sweet corn which, if the Fall is late, may yet, except in case of the very late varieties, make a crop of corn. It seems hardly possible that the season can be so favorable from this on as to make anything but a short crop of the late varieties of sweet corn.

Turnip seed has not improved with the rains, neither has kale to any great extent. These early maturing seeds were seriously affected by the dry weather, and have now another drawback in the way of weeds, which have come in since the rains, and which in a very few days will completely smother the dwarfed and stunted plants and render the situation still more trying.

Beet, onion and parsnip have recovered very largely, and are looking fairly well at present. The seed warehouses in this locality are empty; probably never in the history of the trade have the corners been so thoroughly cleaned out as they are at present.

The demand for sweet corn and for all varieties of field corn continues brisk up to this date, until everyone is almost or entirely sold out.

A large delegation leaves this section next Tuesday for the convention at Atlantic City. This delegation has been so enthusiastically invited that they could not refuse the invitation, and anticipate the time of their lives at Atlantic City and at Fordhook.

Numerous failures are reported in the stand for potatoes and onions from seed this Spring. The outlook for these crops through Connecticut is anything but bright, and seedsmen are having their troubles in complaints from customers because of the poor germination of the seed.

European Notes.

The hot wave which terminated on June 1 has been succeeded by bitterly cold northeast winds, with night frosts in some places, which have checked for the time the rapid and satisfactory progress which our plants were making.

Beet and carrot have suffered most, but as a bad attack of beetle always follows the "northeasters," rutabaga is certain to suffer where it is still in bloom.

The German growers of swedes and turnips have been very badly hit. Reports from France are almost as gloomy, especially as regards the extra early turnips.

In England the prospects are more cheering. Spinach has been badly injured in most countries and the setback will certainly delay the harvest.

Brassicas generally are picking up; it is a great pity the acreages are so very limited.

As regards flower seeds, asters are now nearly all planted, but sadly need some warm ground rains. Ten-week stocks are already showing flower buds. Pansies are very variable. On the high and light lands they have suffered severely and have had to be replaced with Spring sown plants, which are not so safe a crop as the Autumn. Polyanthus and bellis are doing badly, and as last year's stocks are quite exhausted, higher prices will rule. Myosotis, biennial stocks and wallflowers are very good.

In agricultural seeds, sugar beet and mangel-wurzel in Germany, have suffered very much; but replanting has been possible in many parts.

C. Loechner, of Suzuki & Iida, is in Europe looking up trade.

S. B. Dicks has returned from his African trip in greatly improved health.

EUROPEAN SEEDS.

PANSY. New crop. Bugnot, Cassier, Vantier's Mammoth or Mme. Perret, each strain, oz. $5.00, tr. pkt. 25c.; mixed, oz. $4.00, tr. pkt. 25c. Calceolaria, finest tigered or spotted, tr. pkt., 25c. Primula Chinensis fimb., all colors, separate or mixed, tr. pkt. 25c. Cineraria, hyb. gig., dwarf or tall. Benary's Prize Strain, tr. pkt. 25c. Cash. **SHELLROAD GREENHOUSE SEED CO., Grange P. O., Baltimore, Md.**

Mention the Florists' Exchange when writing.

5000 Whole Dahlia Roots

Best mixture of named Cactus and Show varieties, all colors, $2.00 per 100; $15.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CALLA BULBS

August 1st delivery.

Extra choice large bulbs, $5.00 per 100. Express paid by us at above figures.

CALIFORNIA CARNATION CO.

P. O. Box 103. LOOMIS, CAL.

Mention the Florists' Exchange when writing.

LILIUM HARRISII and LONGIFLORUM

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W. RAWSON & CO., Seedsmen, **Boston, Mass.**

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

THINGS YOU NEED!

	Per 100
10,000 Coreopsis clumps	$4 00
10,000 Helianthus Maximiliana, strong divisions	2 50
10,000 Achillea Millefolium Roseum, strong clumps	3 00
Delphinium Formosum, strong, 1 year	6 00
Gaillardia Grandiflora, strong clumps	6 00
Lychnis Chalcedonica, clumps	5 00
Pardanthus clumps	4 00
Rudbeckia, strong divisions	2 50
Santolina, strong, from flats	3 00
Digitalis, Moss Rose, large clumps	5 00
Achillea, The Pearl, divisions	2 50
Chrysanthemum Maximum, Triumph, strong divisions	5 00

Cash with order, please.

W. G. EISELE, West End, N. J.

Mention the Florists' Exchange when writing.

Holland Nursery Stock

Ask for Our Catalogue.
It Will Interest You.

ENDTZ, VAN NES & CO.,
BOSKOOP, HOLLAND.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

THE BLUE HILL NURSERIES
South Braintree, Mass.

ALPINE, HERBACEOUS
AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head, Late Flat Dutch, Savoy, Rich Red and other vars., 25c. per 100; $1.00 per 1000.

LETTUCE Grand Rapids, Boston Market, Tennis Ball, Big Boston and other vars., 15c. per 100; $1.00 per 1000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars., 15c. per 100; $1.25 per 1000. Earliana and Ponderosa, 30c. per 100; $2.00 per 1000.

BEET Eclipse, Crosby's and Egyptian 20c. per 100; $1.25 per 1000.

PARSLEY 40c. per 100.

CELERY Golden Self Blanching. $1.00 per 1000.

EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.

PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

THE
LARGEST STOCK
OF SPECIMEN
HEMLOCK
AND
BOX-BUSH

OUR OWN GROWING. THEY LIFT WITH GOOD BALLS. CAN BE MOVED NOW. FOR PRICES STATE SIZE AND QUANTITY DESIRED.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa.

WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President.
D. S. Lake, Shenandoah, Ia., Vice-President.
George C. Seager, Rochester, N. Y., Secretary.
C. L. Yates, Rochester, N. Y., Treasurer.

Silas Wilson, of Atlantic, Ia., has been appointed superintendent of horticulture for Iowa's world's fair commission.

The second annual convention of the National Nut Growers Association will assemble in New Orleans, La., Wednesday, October 28. The secretary and treasurer is J. F. Wilson, Poulan, Ga.

The eleventh census gives the number of nurseries in operation in 1900 as 4,510, comprising 172,806 acres, with a valuation of $41,978,835.80, and $52,000,000 capital invested. These nurseries employ 45,657 men, 2,279 women, and use 14,200 animals. At the time of the taking of the census, there were growing in these nurseries 3,386,858,778 plants and trees. Of these, 518,016,612 were fruit trees.

THE NEW ENGLAND ASSOCIATION OF PARK SUPERINTENDENTS.—This Association holds its annual meeting in Albany, N. Y., June 23, 24 and 25 next, the program being somewhat as follows:

Tuesday, June 23.—Business meeting in the rooms of the Albany Institute and Historical Art Society, at 6 p.m.; 8 p.m., banquet, Hotel Ten Eyck.

Wednesday, June 24.—10 a.m., carriage drive through the parks and boulevards, stopping at Lake House in Washington Park for lunch. 3 p.m., reception by Governor Odell, followed by an inspection of the Capitol.

Thursday, June 25.—Trip on Hudson to Newburg—to be arranged later.

JOHN W. DUNCAN,
Secretary.

Seasonable Suggestions.

Grafted catalpa, mulberry and other trees will usually push shoots vigorously from the stock, and before the graft grows much. It is well to let these shoots make a few leaves, as it helps the maintaining of the health of the whole; but keep them pinched back to a leaf or two each until the cions are growing strongly, then cut them quite away.

Young maple and other trees are apt to produce shoots below the desired height when first planted. Let them do this during the Summer. The more foliage, the more vigorous the trees become. Trim up to the proper height when Winter comes.

The Persian yellow rose is hard to increase in the way other roses are. Layering of it is slow propagation, but it gives some plants; and this is the season to do it.

Rains have been general in these parts during the past week, and both here and wherever seedlings are coming through the ground, if covered with forest leaves or other shading, it should be taken off gradually. The very dry weather of May dried out completely many seed beds.

Elæagnus longipes ripens its seed about now. Free them of pulp and place them in slightly damp soil, keeping them until Autumn, then sow them out doors.

By a little pinching in of growing shoots at this time, many a shrub can be made of salable appearance by Fall, which, otherwise, would not be. The operation will give several shoots for one.

Double Pink Deutzia.

Among some shrubs in flower from imported stock, we recently noticed a "Deutzia crenata rosea plena," which appears to be but our old friend Pride of Rochester. It is a good thing, anyway. The flowers are pink in the bud, being the outside of the petals. The inside of the flowers being white, there is a pretty combination of colors when the blooms expand. As this and kindred deutzias flower in June, when a large number of other shrubs are out of flower for the season, it is very much in demand for planting

Varieties of Azalea Mollis.

A month or so ago, when writing of the beauty of Azalea mollis, I spoke of the desirability of a larger assortment of Azalea mollis being offered by nurserymen than they do now. In connection with this, the following letter has been received from Koster & Co., Boskoop, Holland:

"We read in the Florists' Exchange of May 23: 'The time will come when the various shades of Azalea mollis will be kept distinct, as is now done with the Ghent azalea.' By same mail we send you a price list in which you find 22 distinct varieties of Azalea mollis, all grafted plants. It would not be difficult to give a list of more sorts. We draw your attention to our Azalea Frisia, Zeelandi and Tubantia, the best colored and finest Azalea mollis in cultivation. We have been grafting Azalea mollis for at least 25 years."

This is information we like to receive. These grafted, named plants should be obtainable at but little more than the cost of seedlings, and they are sure to be in demand. We would suggest to our friends, Koster & Co., and to others interested, that were the labels attached to azaleas to contain the colors instead of the names, or in addition to the names, the plants would be infinitely more salable. Hardly a soul here cares whether the name is Kaiser Wilhelm, Bismarck, Queen Victoria, or what, but they do want to know, and badly, too, what the colors are. The catalogue of the supplying firm may be in the office, but in the hurry of business the colors are wanted on the labels. The Ghent azaleas show that great pains have been taken to label each one, but, to repeat, hardly a person cares one cent for the name, the colors should go on—the color and the name both. I am led to make this suggestion because of the evident interest Koster & Company take in what appears in the Florists' Exchange.

Sowing Mulberry Seeds.

Nurserymen have experienced quite a call for mulberry seedlings the past season, chiefly owing to the demand caused by the revived attempt at silk culture. Every few years this enterprise has come up, since, perhaps, fifty years ago, and, so far without any permamency. In regard to obtaining mulberry leaves for the worms, there should be no trouble. Seedlings soon grow, and by setting out enough trees so that two groves could be formed, one to supply leaves every other year for the worms, no great damage would be done the trees by the taking of the leaves.

In the Middle States, mulberries are ripening now, and if the fruit is gathered, washed and seed sown at once, and afterwards it be seen to that they are kept moist, seedlings will soon appear, and will be six to twelve inches high by Fall.

Whether or not the demand for the plants will keep up is uncertain. As already stated, the fever to plant the trees has been recurrent many times. At any rate, seeds cost but little, and but a small space of ground is required for the seed sowing, so but little outlay is necessary. Should it be that seeds cannot conveniently be sown now, they keep in good condition very well if placed in a cool, dry place and are sown in early Spring.

Morus alba is preferred for the food of the worms, but any of its forms are as good, as, for instance, the Russian or even the Japanese.

Osage orange leaves have been used for the same purpose as the mulberry, but the quality of silk is said to be not as good when the former plant has been the food of the worms.

JOSEPH MEEHAN.

FANCY-LEAVED
CALADIUMS
And Other
Bulbous Stock
The Jessamine Gardens, JESSAMINE, FLA.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.
Wholesale Growers TREES AND PLANTS in full assortment Trade Catalogue Free.
Mention the Florists' Exchange when writing.

CABBAGE PLANTS
Fine plants, ready to plant out, $1.00 per 1000, 5000 for $4.00.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

TREE SEEDS
Our new descriptive CATALOGUE OF SEEDS of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.
PINEHURST NURSERIES, Pinehurst, N. C.
Otto Katzenstein, Mgr.
Mention the Florists' Exchange when writing.

EVERGREEN
An *Immense Stock* of both large and small sized *EVERGREEN TREES* in great variety; also *EVERGREEN SHRUBS.*
Correspondence solicited.
THE WM. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave.,
JERSEY CITY, N. J.
JUST RECEIVED FROM OUR HOLLAND NURSERIES:
Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

SEEDLINGS
Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.
Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.
Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.
Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100; $12.00 per 1000.
Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.
Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.
Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.
Send for complete list of Trees, Shrubs and Evergreens.
SAMUEL C. MOON, Morrisville, Pa.
Mention the Florists' Exchange when writing.

NURSERYMEN
and others having good, clean, sharp photographs of subjects of interest to the trade, such as
SHADE & ORNAMENTAL TREES,
FLOWERING SHRUBS,
EVERGREENS,
HEDGES, ETC., ETC.
are asked to kindly communicate with the publishers of the FLORISTS' EXCHANGE, 2 Duane St., New York City.
Mention the Florists' Exchange when writing.

We offer at wholesale a full line of
Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.
Write us for close prices on anything wanted in the line of Nursery Stock.
Brown Brothers Company
Continental Nurseries, Rochester, N. Y.
Mention the Florists' Exchange when writing.

Sweet Potato Plants
To close out, I offer the following varieties at $1.00 per 1000, all strong, healthy plants, free from disease and true to name: Big Stem Jersey, Yellow Nansemond, Red Nansemond, Red Bermuda, and Southern Queen.
All orders will be shipped promptly. No orders accepted for less than $1.00.
H. AUSTIN, Felton, Del.
Mention the Florists' Exchange when writing.

Strong Plants CANNAS From 3½ in. Pots
Price, $6.00 per 100.
Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos. S. Ware, Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres. Cleveland, Papa, Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy.

OWN ROOT ROSES HEALTHY STOCK
Bride, **Bridesmaid** } From 3-in. pots, $7.00 per 100. $60.00 per 1000.
GRAFTED ROSES.
Golden Gate, Bridesmaid, Bride, Wootton } 3-inch pots, $15.00 per 100

CHRYSANTHEMUMS
Fine stock from 2½ in. pots.
Adula, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L. Park, Nagoya, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100, $35.00 per 1000. Ada Spaulding, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Maud. Graham, Mme. Nivens, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS
Ready for Immediate Sale.

	Size Pots	Per 100
Achyranthes, Emersonii, etc.	2¼ in.	$3.00
Anthemis, Double Golden Marguerite	2¼	3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney	3	5.00
	2¼	3.00
Cuphea, Platycentra	2¼	3.00
Coleus, leading varieties, $35.00 per 1000	3	4.00
Coleus, leading varieties, $20.00 per 1000	2¼	2.50
Coleus, Verschaffeltii and Golden Bedder, $20.00 per 1000	2¼	2.50
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special varieties or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	3.00
" " " "	3½	7.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	3.00
" " " strong	4	10.00
Pelargoniums, 4 varieties	3½	12.00
" " "	2½	[illegible]
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.
Now ready. Write for particulars.
THE FLORISTS' EXCHANGE, 2 Duane St., N. Y.

Let Me Write Your Ads!

FRED. H. CLIFFORD, Morse-Oliver Bldg., BANGOR, Me.

The RETAILER AND ADVERTISER, N. Y., recently said of my work: "——'s ads. are the only up-to-date florist's announcements which appear regularly in the papers." Sample ads. free.

Mention the Florists' Exchange when writing.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

GERANIUMS

S. A. Nutt, Jean Viaud, Marquis de Castellane, etc., 4 in , $5.00 per 100.

FUCHSIAS

Little Beauty, 3 in., $5.00 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

CANNAS

Good and well-established **CANNAS**, 3 and 4 in. pots, 12 to 18 in. high, 3 in. pots, $3.00 per 100, 4 in. pots, $4.00 per 100. President McKinley, President Cleveland, Queen Charlotte, Mme. Crozy, Chas. Henderson, Duke of Marlboro, Allemania, Torchlight, America.

3 in., $2.50 per 100; 4 in., $3.50 per 100. Italia, Burbank, Austria, Florence Vaughan.

CHOICE GERANIUMS

2½ in. pots, $2.50 per 100; $20.00 per 1000. Jean Viaud, Wonder, Ricard, Atlantis, Mme. Bruant, L. Swartling, Granville, Mrs. J. M. Garr, Madonna, Gen. Dodds, Ben. Schroeder, Columbia, W. L. Gunn, Souv. de Miranda, La Vienne, Princess Alix, Mme. St. Paul Bridoux, Emile de Girardin, Heteranthe, Dr. Blanche, Bucharles, S. A. Nutt, White Swan and La Contable.

FINE FUCHSIAS, 2½ in. pots, $2.00 per 100. These are fine plants. Avalanche, Rosana Patri, Mrs. E. G. Hill, Trophee, Arabella, Speciosa, Black Prince, Trailing Queen.

COLEUS, 20 varieties, 2½ in. pots, $2.00 per 100.

HARDY ENGLISH VIOLETS, 2½ in. pots, $3.00 per 100.

NATIONAL PLANT CO., Dayton, O.

25,000 POTTED AND DORMANT CANNAS.

Potted List—Mme. Crozy, Charlotte, Florence Vaughan, Golden Moon, Shenandoah (bronze-leaved), Duke Marlborough, Crimson Bedder, Souvenir d' Antoine Crozy, Rosemaur (finest pink); Leopard, President McKinley, Alsace, Gloriosa, Philadelphia. Price, fine stock, from pots, $6.00 per 100; $50.00 per 1000.

Dormant List—Florence Vaughan, Alsace, Alphonse Bouvier, Alba Rosea, Golden Moon, Canary Bird, Burbank, Austria, $1.50 per 100; $12.00 per 1000.

Ampelopsis Veitchi, seedlings, fit to pot, $1.00 per 100; postpaid.

English Ivy, 2½ in., long tops, $3.00 per 100.

Send for list. **Cash please.**

BENJAMIN CONNELL
WEST GROVE, PA.

SURPLUS STOCK

	Per 100	1000
COLEUS, 2½ in., 10 sorts	$1 50	$14 00
IMPATIENS SULTANA, 2½ in.	2 00	
HELIOTROPE, purple, 2½ in.	2 00	18 00
IVY GERANIUMS, 2½ in.	2 00	18 00
VERBENAS, assorted, 2½ in.	2 00	18 00
CANNAS, red and yellow, 3 in.	3 00	
DAISY, white and yellow, 2½ in.	2 00	18 00
HYDRANGEA Thos. Hogg and Monstrosa, 2½ in	2 50	20 00
HONEYSUCKLE, golden leaved, 2½ in.	2 00	18 00
FERN, Maiden Hair, strong, 2½ in.	3 00	
CYPERUS, Umbrella Plant, 2½ in.	1 50	14 00
VIOLETS, Swanley White, Lady Hume Campbell, Luxonne, Princess of Wales and California, 2½ in.	2 00	18 00
CLEMATIS PANICULATA, 3 years old, field-grown	6 00	

THE SPRINGFIELD FLORAL CO.
SPRINGFIELD, OHIO.

New White Canna

MONT BLANC

THE GREATEST NOVELTY IN CANNAS.

Potted plants, 75c. each; $7.50 per doz.; $50.00 per 100.

PHILADELPHIA ROSE. The Improved Crimson Rambler, 2½ in., $1.50 per doz.; $10.00 per 100. 4 to 5 in., $4.50 per doz.

GENISTA, 75c. per doz., $5.00 per 100.

ARAUCARIA EXCELSA, 2 to 3 tiers, $5.25 per doz.

ARAUCARIA EXCELSA, 3 to 4 tiers, $7.50 per doz.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

SURPLUS

SEASONABLE STOCK

ALL IN FIRST CLASS GROWING CONDITION.

WHITE MOONFLOWER, 2½ in. $2.50 per 100; $20.00 per 1000.
BEGONIA, Vernon and Vulcan, $2.00 per 100.
COBÆA SCANDENS, 2½ inch, $3.00 per 100.
CALADIUM ESCULENTUM, 5 inch pots, $5.00 per 100.
CANNAS, strong, 3 inch, $4.00 per 100.
SALVIA SPLENDENS, 3 inch, $3.00 per 100.
AGERATUM, Stella Gurney and P. Pauline, $2.00 per 100.
ABUTILON SAVITZI, $3.00 per 100.
ABUTILON ECLIPSE, $2.50 per 100.
WEEPING LANTANA, $3.50 per 100.
PLUMBAGO CAPENSIS, $3.00 per 100.
CROTONS in variety $3.00 per 100,
HIBISCUS SINENSIS in variety, $2.50 per 100.
OTAHEITE ORANGE, $2.50 per 100.
LEMON AMERICAN WONDER, $2.50 per 100.
JERUSALEM CHERRY, 2½ inch, $2.50 per 100.
KENTIA BELMOREANA, 2½ inch, $6.00 per 100.
ROSES, General Collection Everblooming, $20,00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

Geraniums and Chrysanthemums

1,500 Assorted Geraniums, named, 3 in., $3.00 per 100 to close out. **Chrysanthemums,** rooted cuttings, White Ivory, Glory of Pacific and Whilldin, $1.50 per 100. Appleton and Eaton, $2.00 per 100.

WM. SWAYNE, Box 226,
KENNETT SQUARE, PA.

VIOLETS.

Marie Louise, prize stock, guaranteed to be healthy and a No. 1, or your money back.
Strong, 2-2½ in. stock, $2.50 per 100; $20.00 per 1000. Strong, 3 in., $4.00 per 100; $35.00 per 1000. Ready for July delivery. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 20 others, 2 in. pots, $1.00 per 100; $10.00 per 1000.

Salvia, 2½ in. pots, $2.00 per 100.

Ageratum, P. Pauline and Stella Gurney, 2 in. pots, $1.50 per 100.

Double Giant Sweet Alyssum, 2 in. pots, $2.00 per 100. **Cannas,** 4 in. pots, $5.00 per 100.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N. Y.
Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

BEGONIA VERNON

2½ inch pots, in flower and bud, mostly dark shades,

$2.50 per 100.

Larchmont Nurseries, Larchmont, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Best Varieties.

Castellane, Acteon, Dryden, Harrison, etc., etc., $6.50 per 100, 4 inch pots; 3 inch, $4.50 per 100.

YOUNG ROSES principally Golden Gate, Bridesmaid and Bride, 10,000. Price on application.

40,000 Farquhar Violets 2½ inch pots.
Now ready to ship.

J. R. FREEMAN, 612 13th St., N. W. WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

10,000 COLEUS

FINE STOCKY PLANTS.

Red Verschaffeltii, Golden Bedder and **Queen Victoria, Brilliant, etc., largely Verschaffeltii** and **Golden Bedder.** They are in 3½-in. pots; stocky and fine. $3.00 per 100; $25.00 per 1000. Cash.

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA.

About 500 plants left, 2½ to 4 ft. high, from $4.50 to $7.50 per dozen. Fine stock. Cash with order.

CHR. SOLTAU,
199 Grant Avenue,
JERSEY CITY, N. J.

Near West Side Avenue Depot of Newark & N. Y. R. R., or by West Side Avenue trolley cars from Pennsylvania Ferry in Jersey City.

Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS

Strong plants, February and March struck. Healthy and free from disease.

$15.00 per 1000. Cash with order.

Your money cheerfully refunded if not satisfactory.

C. LAWRITZEN, Rhinebeck-on-Hudson, N.Y.

Mention the Florists' Exchange when writing.

10,000 COLEUS

Strong, Bushy Plants

Out of 2½ in. pots, **Verschaffeltii, Golden Bedder** and other varieties. $1.50 per 100; $12.00 per 1000.

ALEX. MEAD & SON, 349 Lake Ave.,
GREENWICH, CONN.

Mention the Florists' Exchange when writing.

For Sale or Exchange

GERANIUMS

Surplus Geraniums of good kinds, **La Favorite Double Gen. Grant, S. A. Nutt** and others Large plants in bud and bloom, from 4 in. pots. $6.00 per 100. Or will exchange for good Carnation Plants.

H. P. DINSEN, Pottsville, Pa.

Mention the Florists' Exchange when writing.

ASTERS

SEMPLE'S in separate colors, white, roses shell pink, purple and lavender. $2.50 per 1000. Write for prices on large lots.

Queen of the Market, 50c. per 100.

CASH WITH ORDER.

A. & G. ROSBACH, Pemberton, N J.

Mention the Florists' Exchange when writing.

ASTERS

50,000 ready to plant out. Semple's and Queen of the Market, grown from the best seed, 40c. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

1500 Geraniums white, red and pink 4 in., $5.00 per 100.
2000 Cannas Queen Charlotte, Crozy, Egandale, $5.00 per 100.
1000 Alternanthera, red } $2.00 per 100.
1000 " yellow }
500 Yellow Coleus $2.00 per 100.
500 Centaurea Gymnocarpa $2.00 per 100.

CASH WITH ORDER,

CHAS. A. KNAPP, Mermaid, Chestnut Hill, **Phila.**

Mention the Florists' Exchange when writing.

What is a Kindergarten?

By GEORGE HANSEN

The work deals with the word kindergarten in its literal rendering: "The Children's Garden," and the plea is made for the establishment of such an instructive and inviting spot around every home, and in every park. The author enumerates the list of subjects to be planted that will most interest the child, and in a very practical manner accompanied with various plans for lots of varying size, tells how these plants may be dispersed and treated to appear to best advantage 75 cents postpaid.

A. T. De La Mare Ptg. & Pub. Co.
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2 Duane St., New York

"We are Headquarters for all Horticultural Books."

Mention the Florists' Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

REPORT OF PROCEEDINGS OF TWENTY-EIGHTH ANNUAL MEETING

At DETROIT, MICHIGAN, JUNE 10-12, 1903

The twenty-eighth annual meeting of the American Association of Nurserymen was held at Hotel Cadillac, Detroit, June 10 to 12. The Hon. William C. Maybury, mayor of Detroit, extended a cordial welcome to the convention, which was fittingly responded to by George A. Sweet, of Danville, N. Y

President Ilgenfritz, in his address, congratulated the members on the year of prosperity just passed, and at the same time warned against the danger of overproduction. He suggested that greater effort should be made to encourage exhibits at the annual meetings, and also urged the importance of organizing mutual companies for the purpose of insuring nurserymen against fire losses.

H. W. Collingwood, editor Rural New Yorker, read a paper entitled, "The Nurseryman as the Editor Sees Him," in which he deplored the selling of stock not true to name, carelessness in filling small orders, and misrepresentations of every kind.

Frank B. White, of Chicago, in a paper entitled "Publicity for Nurserymen," urged the importance of advertising, and gave some advice as to how it could be done most effectively. The subject was then discussed by three representatives of the agricultural and horticultural journals—Messrs. R. T. Olcott, National Nurseryman; J. M. Irvine, Western Fruit Grower, and Professor L. H. Bailey, Country Life in America—all of whom agreed in the main proposition that publicity is as necessary a factor in the success of a nurseryman as in that of any other business man. The various media for advertising were discussed, the most prominent among them being the horticultural press; also catalogues, which should be original and artistic. Newspaper advertisements and tree agents also came in for a share of attention, and one speaker advised nurserymen to abstain from advertising in journals of any kind that gave prominence to advertisements of liquors and patent medicines. Professor Bailey elicited applause with the statement: "The best kind of publicity is that which comes about from having first rate good stock, and getting the people in sympathy with you by letting them know just what this stock is by actual tests."

N. W. HALE

President-elect American Association of Nurserymen

The committee on legislation, in its annual report, gave a history of its efforts during the past Winter in attempting to get the federal bill regarding nursery stock through Congress, but could report nothing more than a favorable outlook for the future.

Professor L. H. Bailey read an essay on "The Whole Question of Varieties," which was listened to with great interest and provoked much discussion. Professor Bailey stated at the outset that he must not be expected to solve the whole question of varieties, but would only state some of the important and troublesome aspects of it. He said in part: "The variety-conception is really a late idea in the development of the human race. It is practically only within the past two centuries that cultivated varieties of plants have been recognized as being worthy of receiving designative names. This analysis has been growing more acute, specific, and concrete, with the passing of the years. We constantly define varieties on smaller and more definite points or 'characters.' Once it were enough that a rose were red; now that rose must be not only red, but must bloom at a certain season, produce a certain number of flowers, have certain definite shape and 'substance' of flower, and have twenty other points of merit. This raises the question, What is a variety? Clearly, it is only the ideal of one man, or one set of men. At best a variety is only an assemblage of forms that agree rather more than they differ; and any one of these forms may, with equal propriety, be called another variety. There are some things that every nurseryman can do with profit to hasten the time of more efficient varieties. The time has come when the nurseryman must cease to propagate only from stock merely because it belongs to a given variety. He should propagate only from stock, or trees, that he knows to have direct merit for efficiency. Greater attention must be given to individual merit in plants. Another way of increasing the efficiency of varieties is bv giving the variety the particular care that it needs."

"The Nurseryman's Work in Texas," was the subject of a brief paper by E. W. Kirkpatrick, in which he said that Texas was particularly adapted for horticultural work, owing to the fact that plants peculiar to both temperate and tropical zones can there be grown in close proximity, thus giving opportunity for crossing and hybridizing in constantly increasing forms and combinations.

J. H. Hale, of Connecticut, spoke on the subject, "The Relation Between the Nurseryman and His Customers," and was followed by Messrs. Collingwood and Irvine in a discussion of the same topic.

W. C. Barry, of Rochester, gave a talk on the "Importance of Ornamental Stock to the Nurseryman."

Professor John B. Smith, of the New Jersey State Experiment Station, spoke on "Spraying and Fumigation for Nurserymen Up-to-Date," giving advice as to best methods to be pursued under varying conditions.

George C. Perkins gave his views on "Insurance for Nurserymen." The subject was further discussed by Messrs. William Pitkin, of Rochester, and E. Albertson, of Indiana, both of whom favored the establishment of something along the line of a mutual insurance company. On motion of Mr. Albertson a committee of three, consisting of Messrs. Perkins, Pitkin, and Albertson, was appointed to investigate the matter and report at the next meeting.

The subject came up through the Question Box as to what nurserymen should do about the matter of West Virginia and Virginia licenses and laws which are considered very inimical to the nursery business, as well as unconstitutional. After a discussion, the subject was referred to the committee on legislation, with power to act, and expend money, if necessary, in combating these laws in the courts.

CHARLES WILLIS WARD

President-elect American Peony Society

George A. Sweet, of Danville, N. Y., spoke on "The Cost of a Tree." He said that there are so many elements of uncertainty in the production of trees that there is always a sort of lottery in the proposition. No two blocks of trees ever cost the same to produce, and never will. It is difficult to know where the cost price ends and the profit begins, but it is desirable that experiments should be carried on to determine this question as nearly as possible for each locality.

After a discussion, a motion was adopted that a committee be appointed to look into this question and to report at the next annual meeting.

A question in the Question Box, "Shall June Budded Peaches Be Measured from the Point Where the Bud is Inserted or Not?" was answered in the negative by several members, who stated that they should be measured from the ground.

Another question, "What is the Effect of Crown Gall in an Apple Orchard: How Can it be Prevented in Nurseries?" was answered by Professor Johnson, who advocated dipping the young trees in a two per cent. solution of formaline as a means of prevention.

Professor Stinson, of St. Louis, urged the nurserymen to avail themselves of the privileges afforded by the forty acres practically placed at the disposal of the Department of Horticulture at the Louisiana Purchase Exposition, and to help in making the exhibit in this particular line as creditable as possible.

The committee on exhibits reported a good display of fruit from Texas; also a peach planter exhibited by Mr. Romain, which was said by one of the members to do excellent service.

The following officers were elected for the ensuing year: President, N. W. Hale, Knoxville, Tenn.; vice-president, F. A. Weber, St. Louis, Mo.; secretary, C. A. Seager, treasurer, C. L. Yates, both of Rochester, N. Y., re-elected.

Executive committee, Peter Youngers, Nebraska; William Pitkin, New York, and John Kerr, Texas.

Atlanta, Ga., was chosen as the next place of meeting.

The social features of the convention were unusually pleasant and attractive, owing to the efforts of President Ilgenfritz and other local nurserymen. A trolley ride through the city, a boat ride to the beautiful Belle Isle Park, and visits to the various other parks of the city, proved enjoyable, as well as instructive, excursions to the members of the convention.

The American Peony Society.

The meeting of the American Peony Society, held at Detroit, on the evening of June 11, was a most satisfactory one, and developed much enthusiasm in the project. Several new names were added to the list of members and more were promised.

On reviewing the list of members it was estimated that fully 90 per cent. of the peony acreage of the country is already represented. This, taken in connection with the fact that the society starts off with a paid-up subscription list, is cause for much satisfaction, and augurs well for its future success and usefulness.

The meeting was called to permanently organize the Society, which, up to this time, has been working under a temporary organization. C. W. Ward presided, and A. H. Fewkes acted as secretary.

The question was raised, whether or not the Society should incorporate, and upon a vote being taken it was decided to do so. A charter will be taken out under the laws of the State of New York.

A draft of a constitution and bylaws was presented and carefully discussed. After several amendments had been made the constitution was adopted. The Society then elected officers for the ensuing year, which resulted in the choice of C. W. Ward, of Queens, N. Y., for president; Guy A. Bryant, Princeton, Ill., vice-president; A. H. Fewkes, Newton Highlands, Mass., secretary; J. H. Humphreys, Philadelphia, Pa., treasurer.

ARTHUR H. FEWKES

Secretary American Peony Society

Board of Directors: President, vice-president, secretary and treasurer, ex-officio; C. S. Harrison, York, Neb., for one year; E. A. Reeves, Cleveland, Ohio, for two years; William A. Peterson, Chicago, Ill., for three years.

For the carrying out of the various objects of the Society, the president appointed the following committees:

Nomenclature committee, five members: William A. Peterson, Chicago, Ill., chairman; C. J. Malloy, Rochester, N. Y.; John A. Charlton, Rochester, N. Y.; J. F. Rosenfield, West Point, Neb., and A. H. Fewkes, Newton Highlands, Mass.

HAERENS BROS., SOMERGEM BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **FORCING PLANTS.** We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Hærensiana), a soft pink, and we make the special offer of 100 nice 12-14 inch plants for $25.00 at our nursery. **Send your** orders for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application.

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THERE'S MONEY

in growing Adiantum Farleyense—and it's easy. Expert Lindstrom tells all about the culture in his little booklet. Sent postpaid for 50 cents.

A.T.DeLaMare Ptg. & Pub.Co.Ltd.
2 Duane Street, N.Y.

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A FEW GOOD THINGS YOU WANT

I still have a full line of Plants for late planting or stocking up.

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5 and 8 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $6.00 per 100.
Asparagus Sprengeri, 3 in., $5.00 per 100.
Dracæna Indivisa, 3 in., $5.00 per 100; 4 and 5 in., $10.00 and $25.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Geraniums, single Gen. Grant, double Gen. Grant, S. A. Nutt, Bonnot, Frances Perkins, 2 in., $2.50 per 100; 3 in. pots, $5.00 per 100.
Gladiolus Bulbs, good mixture, 50c. per 100.
Pansies, ready to bloom, $1.00 per 100.
Cannas, 3 in., $4.00 per 100.
Verbena, Scarlet Sage, Petunia, Coleus, mixed; **Ageratum,** blue and white, **Lobelia, Achyranthes,** red; **Alternantheras,** red and yellow; **Heliotrope, Giant Alyssum, Lemon Verbenas.** All 2-inch pots, $2.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

Plumosus Nanus

All sold out of 2¼-3½ and 4 in. sizes, but still have a fine lot of good, strong stock from 3 in. pots left, at $8.00 per 100. Cash with order.

Address **JOSEPH TOWELL, Paterson, N. J.**

Mention the Florists' Exchange when writing.

At cost price. To clear out stock.

BAY TREES

Standard, about 4 feet in diameter of crown, $30.00 per pair. Over 4 ft., $35.00 and $40.00 per pair. Standard, crown diameter, 28 in., $12.00 per pair; 30 in., $15.00 per pair. Add $1.00 for packing for each pair. Cash with order.

A. SCHULTHEIS, College Point, N. Y.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3½ in. pots, $18.00 per 100. Kentia Belmoreana, 3½ in. pots, $18.00 per 100.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100,

Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

Orchids. Florists' Orchids.

CATTLEYAS DENDROBIUMS
CYPRIPEDIUMS.

Large Importations Just Arrived.

SANDER & SONS, St. Albans, England.
Agent, A. DIMMOCK, 136 Liberty Street, New York City.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

FERNS AND PLANTS

Ferns. A good variety of the best and hardy kinds suitable for fern dishes, etc., $3.00 per 100.
German Ivy, 2¼ in., $2.00 per 100; 4 in., big bushy plants, $6.00 per 100.
Geraniums, 4 in., $6 per 100; 2¼ in., $2.50 per 100.
Verbenas, 2¼ in., $2.00 per 100.
We have a large variety of Bedding Plants. Write us for what you need.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived in Fine Condition: Cattleya citrina, Epidendrum nemorale, E. vittelinum majus, Odontoglossum citrosum, O. maculatum, O. Reichenheimii, Oncidium Cavendishianum, O. Ornithorhynchum, O. tigrinum unguiculatum, O. varicosum Rogersii, Phalænopsis amabilis and P. Schilleriana.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

Boston Sword Ferns

20,000 from bench, ready for 5 in. pots Short and bushy. $2.00 per doz.; $15.00 per 100. CASH WITH ORDER.

H. H. BARROWS & SON,
Whitman, Mass.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

Wyncote, Pa.

GROWER OF

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana.

Mention the Florists' Exchange when writing.

ADIANTUM FARLEYENSE

All plants propagated from single eyes, and now ready for a shift. These are the only sizes profitable to buy at this season of the year.

3 in., $2.50 per doz.; $15.00 per 100. 4 in., $4.00 per doz.; $25.00 per 100.

ADIANTUM CUNEATUM

2 in., $4.00 per 100; $35.00 per 1000. 3 in. $8.00 per 100. 4 in. $12.00 per 100

KENT PLACE NURSERIES Telephone 8B **Summit, N. J.**

Mention the Florists' Exchange when writing.

THE
BOSTON FERN

FROM BENCHES.

$5.00 per 100; $40.00 per 1000.

Larger plants, $10.00 per 100; $95.00 per 1000. Fine, bushy plants, 75c. and $1.00 each.

CANNAS

We have still 25,000 on hand in 25 of the best varieties, at very low prices. Write for price list.

JOHN SCOTT

KEAP STREET GREENHOUSES **Brooklyn, N. Y.**

Telephone 1207 Williamsburg

If you want the best paying crop that you can plant for Summer, plant

THE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The demand has been so great and our advance sales so large that we have not offered it recently, having only just completed filling our advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. **Now is the time to invest** in it and get the benefit of the tremendous demand and good prices which are sure to prevail another season.

The **BOSTON FERN,** although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

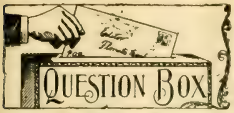
We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.



Chrysanthemums.

(127). I have chrysanthemums now in four inch pots. The plants have from two to five branches, about a foot high. What treatment must they receive to make good salable pot plants in 7-inch pots in the Fall? Shall I pinch them now to induce side shoots, or leave them alone? The varieties are Major Bonnaffon and Glory of the Pacific. A. H.

—If nice, healthy plants are wanted in preference to plants with one or two large flowers only, the chrysanthemums should be pinched back once more, and potted into larger pots as required until the flowering size is reached. Or, they may be potted at once into the 7-inch pots, if given the proper care in watering afterwards; that is, seeing that they never become over-watered and the soil made sour.

Asparagus Plumosus Nanus.

(128). I have two side benches planted with Asparagus plumosus nanus. I would like to know if I can run them over a second year for cut sprays. I have no room to put them in solid beds to grow strings. L. E.

—By giving the benches a liberal top dressing of soil and manure, the asparagus in the benches can be run a second year with perfect success.

Dahlias.

(129). We planted our dahlias about three weeks ago, and they are about a foot high, some of them showing bud. Would it be better to pinch off the buds or let them come? Did we plant too early? What is the best way to pack the blooms to ship about 100 miles? How long should the flowers stand in water before shipping? A. B. C.

—The dahlias were not planted too early; and it will be just as well to let the buds remain and develop. Cut the flowers in the early morning, place them in water, and pack and ship them at night, or early next morning. Pack in boxes deep enough to hold several layers of flowers; lay them close together so that they cannot move in transit.

Summer Treatment for Steam Boilers

Editor Florists' Exchange:

I would inform H. L. J. of the best method of treating steam boilers in Summer, which is as follows: When your season's firing is over and you want your boiler "laid to rest," get up about five pounds of steam, draw your fire and blow off your water. As soon as the boiler is empty and still hot, open up all valves and manhole and let the boiler dry out by its own heat, which will take only a very little while. Leave the boiler open like this until it is needed again in the Fall. I have found this to be the best method.

F. J. McS.

15,000 VINCA VAR. Good strong plants from cold frame 2 in., $1.25 per 100; $10.00 per 1000; 500 at 1000 rates. Cash with order.

P. J. AGNEW, Johnson Ave., Springfield, Ohio.

COLEUS

Strong, bushy, well rooted; sent with soil mostly shaken off. Red and Yellow, $1.40 per 100. Fancy, $1.25 per 100.

DANIEL K. HERR, Lancaster, Pa.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, (August Seedlings) extra well grown plants from 2½ inch pots, $5.00 per 100; $45.00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

The Anna Foster Fern

NOW READY

3 in. pot grown $20.00 per 100. Cut from bench $35.00, $50.00 and $75.00 per 100. Potted plants in 6, 7 and 8 in. pots.

20,000 BOSTON FERNS

Ready at $25.00 per 100. Cut from bench, good. Orders booked at $5.00 per 100. $40.00 per 1000, for **SMALL BOSTONS.** Shipping now.

10,000 KENTIAS

Low Prices

L. H. FOSTER, 45 King Street, Dorchester, Mass.

Mention the Florists' Exchange when writing.

200.000 PANSIES Florists' International

the finest strain in the United States. Strong plants in bloom, $15.00 per 1000. Smaller transplanted, $10.00 per 1000. Also **Giant Pansies** in bloom; **Forget-me-nots, Sweet William Daisies,** Longfellow and Snowball, in bloom; Dianthus plumosus, Dianthus Heddewigii, Gypsophila. All transplanted, strong, $1.25 per 100; Bedding Plants in 20 varieties. Wholesale price list mailed free. Call or write.

LUDVIG MOSBÆK,
85th St., near South Chicago Ave., Chicago, Ill

Mention the Florists' Exchange when writing.

BEGONIA GLOIRE DE LORRAINE

And **Begonia Gloire De Lorraine Nana Compacta.** Our improved variety awarded a **Silver Medal by the Massachusetts Horticultural Society.** Plants of either sort, from 2¼ in. pots, $15.00 per 100; $140.00 per 1000. Delivery July and August. All orders east of the Mississippi River will be sent prepaid.

R. & J FARQUHAR & CO,
6 and 7 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

EARLY COSMOS,

the popular strain I have sold in the New York Cut Flower Exchange, the last four years. Pink, red and white mixed, seedlings, $1.00 per 100; $9.00 per 1000. Geraniums in bud and bloom, 4 in. $5.00 per 100; 3 in. $3.50 per 100.

Cash with order.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica P. O., Woodhaven Station.

Mention the Florists' Exchange when writing.

COLEUS

Golden Bedder, Verschaffeltii, and other good sorts, 2-in. pots, $1.25 per 100; $10.00 per 1000. R. C 60c. per 100.

Alternanthera red and yellow, $1.25 per 100; $10.00 per 1000.

AGERATUM Gurney, P. Pauline, and Best White R.C. 60c. per 100.

STEVIA SERRATA R. C. 75c. per 100.

CANNAS, 4 in., Henderson, Cleveland, Italia, Burbank, etc., $4.00 per 100.

TOMATOES. Stone Paragon, Ponderosa, Imperial, Atlantic Prize, Earliana, $1.00 per 1000.

CABBAGE, Flat Dutch, Drumhead, Ballhead, Autumn King, Fottler's, $1.00 per 1000.

Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

Stock Up CLEAN OUT PRICES

	100	1000
Chrysanthemums, standard kinds	$1 50	$12 50
Chrysanthemums, new kinds	2 50	20 00
Geraniums, standard kinds	1 50	12 50
Geraniums, new kinds.	3 00	25 00
Fuchsias, assorted kinds	1 50	
Fuchsias, Mrs. Hill, double white	2 00	
Begonias, assorted	2 00	
Coleus, rooted cuttings, strong	35	2 50
Jasmine Revolutum, yellow.	1 50	12 50
Paris Daisies, white.	1 00	
Moonflowers, white, very strong plants.	1 75	15 00
Ponderosa Lemon	2 50	20 00
Alternanthera Aurea Nana	1 50	12 50
Alternanthera Hermsdorf, new fine	2 50	20 00
Croton Volutum, fine recurved	3 00	25 00
Cannas, fine started plants, best var.	2 50	20 00
Agathea Celestis, blue daisy.	2 00	
Asparagus Sprengeri, strong plants	2 00	18 00
Asparagus Plumosus Nanus, equal to 3 and 4 inch	3 00	25 00
Lantanas, assorted	1 50	
Abutilons, assorted	1 50	
Double Sweet Alyssum	1 50	

All of the above from 2 in. and 2¼ in. pots.
TERMS CASH.

C. A. REESER CO., Urbana, Ohio

Mention the Florists' Exchange when writing.

SPECIAL OFFER OF PALMS

WE OFFER HEREWITH A SPLENDID LOT OF PALMS, STOCKY, CLEAN, VIGOROUS PLANTS, WHICH WILL MAKE FINE PLANTS FOR FALL SALES. NOW IS THE TIME TO GET IN YOUR SUPPLY AND REAP THE ADVANTAGES OF THE SUMMER GROWTH.

ARECA LUTESCENS

Fine plants from 5-inch pots, 3 plants in a pot, 20 to 24 inches high, $4.50 per doz., $35.00 per 100.

Plants from 4-inch pots, 12 to 15 inches high, nice stocky plants, 3 plants in a pot, $2.50 per doz.; $20.00 per 100.

KENTIA BELMOREANA

Splendid plants from 6 inch pots, 2 to 2½ ft. high, 5 to 7 leaves, $12.00 per doz.

Plants from 5-inch pots, 15 to 18 inches high, $6.00 per doz.; $45.00 per 100.

Plants from 4-inch pots, nice stocky plants, about one foot high, $3.50 per doz., $25 per 100.

Plants from 3-inch pots, just ready for a shift, $14.00 per 100.

KENTIA FORSTERIANA

Fine plants, from 5-inch pots, 18 to 20 inches high, 5 to 6 leaves, $4.50 per doz., $35.00 per 100.

Plants from 4-inch pots, 15 to 20 inches high, 4 to 5 leaves, $3.50 per doz., $25.00 per 100.

LATANIA BORBONICA

Fine plants from 3-inch pots, $8.00 per 100; from 2-inch pots, $4.00 per 100.

PANDANUS UTILIS

Fine plants from 5-inch pots, $3.50 per doz.; $25.00 per 100. 3-inch pots, $8.00 per 100, 2-inch pots, $4.00 per 100.

PETER HENDERSON & CO.
35 and 37 Cortlandt St., NEW YORK

Mention the Florists' Exchange when writing.

CUTTINGS

of all descriptions.
Prices on application.

J. E. FELTHOUSEN, Schenectady, N.Y.

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Roemer's Superb Prize Pansies

The finest strain of Pansies in the world. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower,
QUEDLINBURG, GERMANY.

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FERNS OUR SPECIALTY

Our first crop of **Fern Seedlings** is now ready for potting, including the following varieties:

Pteris cretica cristata, Pteris cretica albolineata, Pteris serrulata, Pteris serrulata densa, Pteris Adiantoides, Aspidium Tsussimense, Lastrea Chrysoloba, Lomaria Gibba, Doodia aspera, Onychium Japonicum, Adiantum cuneatum and Adiantum pubescens. Equal number of each at $1.00 per 100; $8.50 per 1000. 500 at 1000 rate. If by mail add 10 cts. per 100 for postage.

MIXED FERNS, for dishes, 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rates.

ADIANTUM CUNEATUM, just the thing to plant out in benches now for next season. 4 in., $9.50 per 100; $90.00 per 1000. 5 in., $12.00 per 100.

FERN SPORES, gathered from our own stock, 30 cts. per trade pkt.; 10 pkts., $2.50.

Telephone, 29-1

ANDERSON & CHRISTENSEN
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2⅛ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.; 5 in. pots, $25.00 per 100, $3.50 per doz.; 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2⅛-in. pots, $7.00 per 100; 3 in. pots, $12.00, 4 in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100; $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 60c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $8.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

Properly Grown—Properly Packed

Ready July 1st.

SMILAX, $1.50 per 100; $15.00 per 1000.

ASPARAGUS SPRENGERI, $3.00 per 100; $25.00 per 1000.

ASPARAGUS PLUMOSUS, $3.50 to $10.00 per 100.

Samples for ten cents in stamps. I have a fine lot of this stock and solicit your trade.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Choice Grand Rapids VIOLET STOCK

From 2¼ in. pots, ready now.

Imperial, M. Louise, Swanley White and **Lady Campbell,** $25.00 per 1000.

MAIDENHAIR FERNS

6 in. pots—fine, 25c. each.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Look Here---Special Sale!

Verbenas, Mammoth Fancy, 2 in., $1.00 per 100; $9.00 per 1000.

Howard's Star Petunia, 2 in., $2.00 per 100, in bloom.

Geraniums, 2 in., $1.50 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

A. W. SMITH'S HYBRID MOON VINE, 4 in., 10c.; 3 in., 7c.; 2½ in., 5c.

AGERATUM, blue, from 4 in.	6c.
GERANIUMS, mixed, 4 in.	6c.
HELIOTROPE, 4 in.	[illegible]
BEGONIA, Vernon, 4 in.	6c.
COBÆA SCANDENS, 4 in.	6c.

HONEYSUCKLE, 5 in., 15c.; 6 in., 20c.

SMALL PLANTS, from 2½ in. Pots.

Petunias, dwarf striped and California Giant, 3c. **Verbenas,** 3c.; 200 for $5.00. **Tradescantia, Lobelia, Pyrethrum Aureum,** 3c. **Coleus,** Verschaffeltii and Golden Bedder, 3c. **English Ivy,** 2½ to 3 in., 5c. **Calendula, Marigold** and **Nasturtium,** 3 in., 3c. Have to offer 3000 **Araucaria Excelsa,** April importation raised from top cuttings only, no seedlings. 5½ in. pots, 3 to 4 tiers, 10 to 12 inches high, 50c. to 60c.; 5½ in. pots, 3 to 4 tiers, 12 in. to 14 inches high, 70c.; 6 in. pots, 4 to 5 tiers, 15 to 17 inches high, from 75c. to $1.00 each.

KENTIA FORSTERIANA, 6 in. pots, 30 to 36 inches high, each, from 75c. to $1.00 each.

KENTIA BELMOREANA, 6 in. pots, [illegible] inches high 75c.

FICUS ELASTICA, imported, 4 in. pots, 25c.

Wanted to buy small **Boston Ferns** for cash. Please state if taken out of pots. [illegible] order, please.

GODFREY ASCHMANN,
Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., Philadelphia, Pa.
Bell 'Phone, 3669 A Tioga.

Mention the Florists' Exchange when writing

Philadelphia Palms

I have a superb stock of PALMS in all sizes for immediate sales, and for growing on for fall trade. They are good value at prices quoted below. The favor of a trial order is requested.

KENTIA BELMOREANA.

ARECA LUTESCENS.

	Per doz.	Per 100
4-inch pot, 3 plants, 18 to 20 inches high	$3.00	$25.00
6 " 3 " 24 to 26 "	9.00	75.00
6 " 3 " 28 to 30 "	12.00	100.00
8 " 3 " 36 "	$2.50 each.	
10 " 3 " 42 to 48 "	6 00 "	
10 " 3 " 50 to 60 "	7.50 "	
12 " 3 " 60 "	12.50 "	

COCOS WEDDELIANA.

	Per 100
2x3-inch pots, 6 to 8 inches high	$10.00
2x3 " 8 to 10 "	15.00

KENTIA BELMOREANA.

	Per doz.	Per 100
2¼-inch pot, 3 to 4 leaves, 8 inches high	$1 50	$12.00
3 " 4 to 5 " 12 to 15 inches high	2.50	20.00
4 " 5 to 6 " 15 to 18 "	4.50	35.00
4 " 5 to 6 " 18 to 20 "	6.00	50.00
6 " 5 to 6 " 24 "	12.00	100.00
6 " 6 to 7 " 24 to 28 "	15.00	125.00
6 " 6 to 7 " 28 to 30 "	18.00	150.00

MADE UP KENTIA BELMOREANA.

6-inch pot 3 plants, 24 inches high .... $1.25 each

MADE UP KENTIA FORSTERIANA.

6-inch pot, 4 plants, 24 to 28 inches high .... 1.25 "

JOSEPH HEACOCK, Wyncote, Pa.

Mention the Florists' Exchange when writing.

COLEUS

4000 Verschaffeltii, out of 3 in. pots, fine, bushy plants, $25.00 per 100, delivered in New York City.

J. McMULLEN, Whitestone, N. Y.
8th Street and 4th Avenue.

Mention the Florists' Exchange when writing.

VERBENAS

In bud and largest size flowers, 2½ in. pots, $2.00 per 100. Same seedlings, strong, from pan, 60 cts. per 100.

MIGNONETTE, Machet, showing flower, 3 in. pots, $3 50 per 100.

ENGLISM IVY and VINCA MAJOR, 2¼ in. pots, $2.50 per 100.

COSMOS, in mixed colors, 75 cts. per 100.

WM. STUPPE, Westbury Station, L. I., N. Y.

Mention the Florists' Exchange when writing.

A DIAMOND MINE

IT GETS THERE EVERY TIME.

The Midget greenhouse for raising seedlings, small plants and delicate ferns. Frames of vegetable fibre, waterproof glaze; with our new patent Flexible Glass, unbreakable, perfectly transparent, colorless and unchanged by climatic influences.

The Midget folds like a map into a space 12x9x1¼ inches, weighs only 12 ozs. Can be shipped by mail or express. Price No. 1 dimensions 12x9x9 inches, $2.50. Waterproof paper for wrapping roots of plants, cuttings and lining cut-flower boxes. Much superior to wax paper. Can also be used to cover hot beds, cold frames, and even flower beds from expected frosts. Also coated cloth for last mentioned purposes. Full particulars on application.

FLEXIBLE GLASS MFG. CO Jackson, Michigan
Room 5, Dwight Bldg.

Mention the Florists'. Exchange when writing.

NOTICE OF REMOVAL.

Having purchased the well-known greenhouse establishment of Rudolph Asmus, at New Durham, N.J., I wish to inform my friends and customers that I will enter into possession of same on August 1, next. Until that date, I remain in business at my old address.

HERMANN SCHOLZEL,
537 Fulton St., Union Hill, N.J.

Mention the Florists' Exchange when writing

SALVIA SPLENDENS From 2 in. pots, 2 cts.

Coleus, Bedder, Verschaffeltii and others, 2 in., 2 cts.

Variegated Vinca, 4 in., 8 cts.

A Lot of Other Bedding Stock Cheap.

H. M. WOUNDY, New Canaan, Conn.
Telephone 192-31 Stamford.

Mention the Florists' Exchange when writing.

MAKE US A CASH OFFER ON ABOUT
200 Strings of ASPARAGUS PLUMOSUS, 10 feet long,

And on 400 Plants from bed, 3 years old. We need the room for Palms. 1000 Asparagus Sprengeri, 3 in., 10c.; 4 in., 12½c.; 5 in., 25c. Strong plants for vases. Best varieties of Geraniums, strong, 4 in., $8.00 per 100. Palms, Ferns and Ficus.

ALBERT FUCHS, 2045-59 Clarendon Av.
Formerly N. Halstead St., Chicago, Ill.

Mention the Florists' Exchange when writing.

Primrose

CHINESE FRINGED

	Trade pkt.
Kermesina Splendens	50 cts.
White, Yellow Eye	50 cts.
Bright Pink	50 cts.
Brilliant Red	50 cts.
Rosy Morn	50 cts.
Blue	50 cts.
Flesh Color.	50 cts.
Mixture of Above	50 cts.
Fern Leaved Mixed	50 cts.
Obconica Grandiflora, white	50 cts.
" " rosy chamoise	50 cts.
" " bright rose	50 cts.
" " fringed mixed	50 cts.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

HAIL!

For insurance against damage by hail, address JOHN G. ESLER, Sec'y F. H. A., Saddle River, N. J.

Mention the Florists' Exchange when writing

American Peony Society.

(Continued from page 693.)

Exhibition committee, three members: Guy A. Bryant, Princeton, Ill., chairman; E. A. Reeves, Cleveland, Ohio, and James Wheeler, Brookline, Mass.

Press committee, three members: C. Betscher, Canal Dover, Ohio, chairman; C. S. Harrison, York, Neb., and J. H. Humphreys, Chestnut Hill, Philadelphia, Pa.

The next meeting place will be determined by the board of directors and announced later.

The following is a list of members and those who have signified their intention of joining the Society: F. A. Blake, Rochdale, Mass.; Jackson & Perkins Co., Newark, N. Y.; James Wheeler, Brookline, Mass.; E. J. Shaylor, Wellesley Hills, Mass.; H. A. Dreer, Philadelphia, Pa.; Ellwanger & Barry, Rochester, N. Y.; J. F. Rosenfield, West Point, Neb.; The Storrs & Harrison Co., Painesville, Ohio; A. H. Fewkes, Newton Highlands, Mass.; Thomas Meehan & Sons., Inc., Dreshertown, Pa.; George Hollis, South Weymouth, Mass.; T. C. Thurlow, West Newbury, Mass.; John Charlton & Sons, Rochester, N. Y.; W. & T. Smith, Geneva, N. Y.; P. S. Peterson & Son, Chicago, Ill.; William Warner Harper, Chestnut Hill, Philadelphia, Pa.; Charles M. Wild, Sarcoxie, Mo.; Arthur Bryant & Son, Princeton, Ill.; E. A. Reeves, Cleveland, Ohio; F. S. Reisenberg, Walden, N. Y.; C. S. Harrison, York, Neb.; C. W. Ward, Queens, N. Y.; Alexander Wallace, New York City; Frank B. Lown, Poughkeepsie, N. Y.; C. Betscher, Canal Dover, Ohio; J. Wilkinson Elliott, Springdale, Pa.; F. W. Meneray, Crescent, Ia.; Klehm's Nursery, Arlington Heights, Ill.; The Blue Hill Nursery, South Braintree, Mass.; Professor Robert T. Jackson, Cambridge, Mass.; P. Ouwerkerk, Jersey City, N. J.; C. H. Joosten, New York City; E. Hawley & Sons, Fennville, Mich.; August Rolker & Sons, New York, and Philip Breitmeyer, Detroit, Mich.

A. H. FEWKES, Secretary.

AMBLER, PA.—R. C. Binder, Jr., has gone into the nursery business at his home on Tennis avenue, near Three Tuns, and will erect a greenhouse during the Summer. The property will be known as the Woodland Nurseries.

A Lawn Plant and Soil Binder for Arid Regions.

The great value of a plant which will form a satisfactory sward and prove a successful soil binder under the conditions of the arid region will be readily admitted. The observations and experiments of the Arizona Station, supplementing experience in Southern California, indicate that these requirements are met to a large extent by lippia, or fog-fruit (Lippia nodiflora), a plant belonging to the same family as the lantanas and verbenas. The plant is found in tropical and subtropical regions and occurs in this country in the South Atlantic and Gulf States and from Texas to California, principally along sandy shores and water courses. It "is a perennial, herbaceous, much-branched, creeping plant, the stems of which root extensively at the nodes. The thickened opposite leaves are one inch long or less, mostly blunt at the tips, and rather sharply saw-toothed above. The roots become greatly thickened below during the Autumn, and this reserve food supply undoubtedly enables the plant to begin growth in the Spring with little or no rain, and also to maintain itself during long adverse periods." It has practically no value as a forage plant because it develops a relatively limited vegetative growth, and animals dislike it, but the observations of the Arizona Station indicate that it can maintain a continuous layer of green with less water than any other desirable plant known to that region. During the Summer of 1902 it maintained itself for eight months on the mesa with less than two inches of rainfall. Not only is it a remarkable drouth register, but it can endure without injury extremes of temperature, varying from 10 degrees to 110 degrees F. It is, however, only slightly resistant to alkali, although it has been found to thrive in soils too alkaline for roses.

The plant possesses special advantages as a sand and soil binder. "When set two feet apart in favorable situations, it was observed that well-rooted plants of the fog-fruit covered the surface completely during one season's growth; and there is every reason to believe that it will do equally well in moist, sandy washes, since it favors such locations."

It will doubtless prove equally valuable for preventing washing of reservoir and stormwater embankments.

As a lawn grass for regions in which the usual lawn grass is grown with great difficulty, if at all, lippia seems to have peculiar advantages. It is easily grown and "forms a smooth carpet of green, interspersed with many small capitate flower clusters of rose-purple, varying to nearly white. In general, it gives all the effects of a white-clover lawn, though forming a more compact mass and not requiring the use of a lawn mower." It is not suited to densely shaded lawns and will not endure excessive tramplings.

The plant is propagated by cuttings The best time for planting is "during the Spring or Summer months, when, if well watered, it will be almost certain to secure a good start." The publication by the Arizona Station of information regarding this plant has aroused much local interest, resulting in a quite extensive distribution of plants by this station to persons wishing to try it.—Farmers' Bulletin, 169.

CATALOGUES RECEIVED.

PETER LAMBERT, Trier, Germany.—List of Best New Roses for 1903.

DAMMANN & CO., San Giovanni a Teduccio, Italy Catalogue of Bulbs, Roots, Plants, Seeds, etc.

W ATLEE BURPEE & CO., Philadelphia Wholesale Price List of Turnip, Winter Radish and Spinach Seed. Turnip seed is in rather short supply.

PETER HENDERSON & CO., New York Midsummer Catalogue of Plants, Seeds, Lawn and Garden Requisites, Insect and Fungus Destroyers Illustrated.

LOUISVILLE, KY.—This is commencement week here, and in consequence all of the retailers have been busy. Local stock of good quality is rather scarce, and much shipped-in stock has been handled Prices realized were, in most cases, very satisfactory Roses, $1.00 to $1.50; American Beauty, $1.50 to $4.00; carnations, 50c. to 75c. per dozen; sweet peas, 50c. to $1.00 per 100. A. R. B.

THE AMERICAN CARNATION HOW TO GROW IT

By C. W. WARD

THIS magnificent volume contains 300 pages of the most valuable and instructive information on the subject of Carnation Culture ever presented. Every carnationist needs a copy; every grower should have a copy. Handsomely printed in clear large type on elegant wood cut paper. The illustrations are from life and are of an unusually high order of excellence. Order at once, or send 2-cent stamp for sample pages giving synopsis of contents, index, list of illustrations, etc.

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A. T. DE LA MARE PTG. & PUB. CO. LTD.

2 Duane Street—PUBLISHERS—NEW YORK

WE ARE HEADQUARTERS FOR ALL HORTICULTURAL BOOKS. Write Us Your Wants

Commercial Violet Culture

By DR. B. T. GALLOWAY

CHIEF OF THE BUREAU OF PLANT INDUSTRY,
DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

THE extraordinary demand for copies of this most valuable treatise on the culture of Violets has entirely consumed the first edition. A

SECOND EDITION

Revised and brought down to date will be ready about August 1, 1903

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A. T. DELAMARE PTG. AND PUB. CO. LTD.
2 Duane Street, NEW YORK

AMERICAN BEAUTY ROSES

We have a fine lot in 2 1-4 inch pots, just ready for shifting or planting, which we offer at

$7.50 per 100; $60.00 per 1000.

From 3½ in. pots, $12.00 per 100; $100 per 1000.

These plants are grown from double-eyed cuttings made from select blooming wood, the same in all respects as we use ourselves. We grow nothing but American Beauty Roses, and both our plants and our blooms are recognized as having no superiors.

These Plants will be Carefully and Lightly Packed, and We Know will Give Satisfaction.

F. R. & P. M. PIERSON, Scarborough-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

FOR SALE. 400 Liberty Roses

2 years old, $25.00 per 100, on account of giving up cut flower growing for palms. Also 400 **Asparagus Plumosus**, 3 years old, excellent stock, $50.00 for the lot; 20c. each. 8,000 finest 4 inch **Geraniums**, $7.00 per 100; $60.00 per 1000. Will take young Ficus, Pandanus Veitchii or Ferns in exchange.

ALBERT FUCHS,
2045-2059 Clarendon Avenue, CHICAGO, ILL.

Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100
Bridesmaid, 3-in. pots, . . .	$3.50
Bridesmaid, 4-in. pots, ex. fine,	5.00
Bride, 3-in. pots, ...	3.50
Bride, 4-in. pots, ex. fine .	5.00
Ivory, 3-inch pots	4.50
$40.00 per 1000	
Ivory, 4-in. pots	6.00
Golden Gate, 4-in. pots . .	6.00

Guaranteed free from eel worms.

JAMES E. BEACH,
2019 Park Av., Bridgeport, Conn.

Mention the Florists' Exchange when writing.

HARDY AND OTHER ROSES from 4 or 5 in. pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2-year, from 5 in. pots, 18 cts.; 1-year from 3 in., 9 cts.; **Clematis Paniculata**, from 5 in. pots, 10 cts. Extra, from 6 in., 25 cts. **Ampelopsis Veitchii**, from 3 in. pots, 5 cts.; from 4 in., 10 cts.; from 5 in. pots, 15 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

A FINE LOT OF

AMERICAN BEAUTY

Plants from 2½-in. pots,

ready for planting or shifting,

$6.00 per 100.
$50.00 per 1000.

EMIL BUETTNER
PARK RIDGE, ILL.

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LIBERTY

FOR SALE.

Grafted and own rooted plants, out of 4 in. pots. Clean, healthy stock. Prices on application.

E. G. ASMUS, West Hoboken, N. J.

PRIMROSES

	Per 100
Chinese, 2 in. pot, July	$2.00
Obconica, Alba and Rosea	2.00
Forbesi "Baby"	2.00
SMILAX, 2 in. pots	1.00

ASPARAGUS

	Per 100
Sprengeri, 2 in. pots	$2.00
Plumosus Nanus	2.50
COLEUS	1.00
GERANIUMS	2.00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

ROSE PLANTS

Good, clean, strong plants from 2½-in. pots

Bridesmaids,	$3.00 per 100;	$25.00 per 1000
Brides	3.00 per 100;	25.00 per 1000
Meteors	3.00 per 100;	25.00 per 1000
Bride, 3 in...	7.00 per 100;	65.00 per 1000
" 2 in...	5.00 per 100;	45.00 per 1000

We guarantee these to be first-class and right in every way. Give us a **trial order.**

Lake View Rose Gardens,
JAMESTOWN, N. Y.

LOOK! LOOK! LOOK!

15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.
Cash with order.

W. T. HILLBORN, 'Florist,"
Newtown, Bucks Co., Pa.

ROSES. American Beauty.

1600 plants from 3 in. pots. Strictly first class stock, $10.00 per 100. Special price per 1000. 1050 **BRIDESMAID**, 3 in. stock, $6.00 per 100; $40.00 per 1000. Balance of our rose plants all sold out.

CHRYSANTHEMUMS, 2¼-inch Pots.

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Caton	3 00
Willowbrook	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 50
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 00
Pink Ivory	2 50
RED.	
Black Hawk	3 50

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROSES, 2¼ inch pots.

	Per 100	Per 1000
Bride	$2.50	$20.00
Bridesmaid	2.50	20.00
Golden Gate	2.50	20.00
CARNATIONS from flats		
Mrs. F. Joost	$2.00	$15.00

GEO. W. WATERFIELD, Chestnut Hill, Phila. Pa.

Mention the Florists' Exchange when writing.

Meteor Rose Plants

These plants are guaranteed choice stock.
3½-in., $4.50 per 100; $37.50 per 1000. Will exchange Meteor for good Bridesmaid and Bride Cash with order, unless party is known.

BRANT & NOE,
W. Peterson and N. 48th Aves., **CHICAGO, ILL.**

Mention the Florists' Exchange when writing.

5000 American Beauty ROSES.

Very choice young plants in 2½ in. pots, $4.00 per 100. All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN,
76 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

WATCH FOR NOTICE

of Finest Strains of

Primulas, Cyclamens, Cinerarias,

and other Winter-blooming plants.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

THE AMERICAN CARNATION.

Price, $3.50.

Ready. Write for sample pages.

THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.; Sunrise, 2½ in., 3 in.; American Beauty, 2½ in., 3 in.; Liberty, 2½ in., 3 in. NO SAMPLES SENT.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, KAISERIN, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots.

	Per 100	Per 1000
Pierre De Notting	$8.00	$75.00
American Beauty, bench plants, cut down to 12 inches high	5.00	40.00
Meteor, 3½ in. pot plants	4.50	37.50
Golden Gate	$2.50	$20.00
Perle	3.50	30.00
Sunrise	7.00	65.00
Liberty, 3 in. pots, very fine stock	10.00	80.00
Perle, 3 in. pots	5.00	45.00

Ivory, 2 in., $4.00 per 100, $35.00 per 1000. **Ivory**, 5 in., $5.00 per 100, $45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.
We do not sell less than 50 plants of any variety. No plants sent by mai

PETER REINBERG, 51 WABASH AVE. CHICAGO, ILL.

Mention the Florists' Exchange when writing.

FLORISTS' PEONIES

1903 SEPTEMBER 1 TO 15 DELIVERY 1903

WE offer the following list of peonies which have been grown by us for several years for cut flower purposes. The stock has been carefully grown, bloomed the third year and rogued while in bloom. All are good bloomers and shippers and all varieties have been culled out and destroyed that do not flower freely. Prices include packing, and a discount of five per cent. will be given on all orders where cash is received with the order. The wet fall and spring have been very favorable for the growth of peony roots and our stock will be found in excellent condition.

OFFICINALIS SECTION

These are the earliest to bloom of all the peonies, and for this reason are very desirable, as they furnish cut flowers a week before the Chinensis section are in bloom.

No. 5. Officinalis Rosea Superba

Brilliant salmon pink, tinged rose; 5 to 6-inch bloom; a pure, clear, true shade of pink without any magenta; the most pleasing of the officinalis section; the first good early, clear pink peony. 300 plants, 3 to 5 eyes, at $25.00 per 100.

No. 208. Officinalis Rubra

The old-fashioned deep crimson peony of Colonial days. 1000 strong plants, 6 to 8 eyes, at $10.00 per 100.

No. 212. Officinalis Rosea

The old-fashioned deep pink variety of our grandmothers' gardens. 600 strong clumps, 6 to 8 eyes, at $10.00 per 100.

No. 198. Officinalis Mutabilis Alba

Opens rosy flesh, fading to blush white; very double 5-inch bloom; the earliest white peony. 500 good plants, 3 to 5 eyes, at $20.00 per 100.

CHINENSIS SECTION

This is the most useful of the different sections. The flowers are larger than the Officinalis, and are borne upon larger, stronger stems, and are richly fragrant, The blooms are especially valuable for cut flower purposes and are consumed in enormous quantities in the cut flower markets of Philadelphia, New York, Boston, Buffalo, Chicago and other large cities. The sorts we offer have been thoroughly tested for a number of years, and the blooms sold upon the New York, Philadelphia, Buffalo and other markets, where they are in steady demand.

EARLY WHITE VARIETIES

No. 4. Queen Victoria Guards light rose, center creamy white, with a few petals edged or tipped with light pink, flower finishing white; good grower; 24-inch stem; 5 to 5½-inch bloom; very free; fragrant; ships well and is a good keeper; a standard double white peony for all purposes. 500 strong plants, 4 to 5 eyes, at $25.00 per 100.

No. 200. Achillea Guards delicate rose, center delicate rosy flesh, fading to creamy white; vigorous; erect grower; strong stem, 30 to 36 inches long; bloom 6 inches in diameter; a chaste, beautiful variety; good keeper and shipper. 500 plants, 3 to 4 eyes, at $20.00 per 100.

No. 270. Marie Lemoine

(Early variety). Guards delicate rose with center of blush white, flower finishing a tender blush white; strong 30 to 34-inch stem; erect, vigorous habit; 5-inch bloom; delicate pleasing fragrance; good keeper; abundant bloomer. 300 fine roots, 3 to 5 eyes, $20.00 per 100.

EARLY PINK VARIETIES

No. 201. Grandiflorum Roseum

(Sometimes known as L L L Pink). Bright rose with silvery reflex, general effect clear, bright silvery rose; vigorous grower, 28-inch stem; 5-inch bloom; strong, rich fragrance; exceptionally free bloomer; good keeper and shipper. 600 strong plants, 6 to 8 eyes, at $20.00 per 100.

EARLY RED VARIETIES

No. 71. Rubra Triumphans

Entire bloom a most brilliant shade of crimson throughout; vigorous, erect grower; stem 30 to 36 inches long; bloom 5 to 6 inches in diameter; the very best early, dark red peony. 200 strong plants, 4 to 8 eyes, at $15.00 per 100.

No. 271. Rosea Grandiflora

Guards deep reddish rose, center light rose tipped with light pink; strong, erect grower; 30-inch stem; 6 to 7-inch bloom; delicate fragrance; extra free bloomer; a distinct, striking variety; ships and keeps well. 100 strong plants, 3 to 5 eyes, at $20.00 per 100.

Mid-Season White Varieties

No. 9. Pulcherima (Early mid-season). Guards white, veined rose pink, center very full, creamy white; strong, erect grower; 20 to 24-inch stem; 5 to 5½ inch bloom; very fragrant; free bloomer; ships and keeps well; a first-class white for all purposes. 500 plants, 4 to 8 eyes, at $20.00 per 100.

No. 203. (Sometimes sold as Humea Alba) (Early mid-season.) Guards delicate silvery pink, center creamy yellow, fading to ivory white; vigorous grower, 30 to 36-inch stem; 6 to 6½ inch bloom; rich, delicate fragrance; very free bloomer; ships and keeps well; one of the best of its class. 200 one-year plants, 3 to 5 eyes, at $30.00 per 100.

Mid-Season Pink Varieties

No. 1. Lohengrin Guards deep rose, center light rose with a few crimson tipped petals; vigorous grower; 18 to 24-inch stem; 5 to 6 inch bloom; delicate, rich fragrance; free bloomer; good keeper and shipper. 200 plants, 4 to 6 eyes, at $15.00 per 100.

No. 49. Rosea Elegans Guards light rosy pink, edged white, center bright rose, tipped white, surrounded with creamy white collar; strong, erect grower; 30 to 36-inch stiff stem, 5 to 6 inch high built bloom; free bloomer; delicate rose fragrance; good keeper and shipper. 50 plants, 4 to 6 eyes, at $25.00 per 100.

No. 206. Baron Rothschild

Guards deep rose with reddish tinge, center lighter rose shaded with rosy cream; vigorous grower; 26 to 30-inch stem; 5-inch bloom; exceptionally free bloomer. 500 very strong plants; 8 to 10 stalks, $6.00 per 100.

No. 2. Edulis Superba (Syn. Pink Beauty) Guards bright rose, center silvery rose; good grower; 20 to 24-inch stem; 5 to 6-inch bloom; free bloomer; delicate fragrance; good keeper and ships well. 500 plants 8 to 10 eyes, at $8.00 per 100.

No. 3. Queen Emma Guard petals light rose pink, center opens creamy white, fading to blush white, with a tuft of flesh pink petals in center; flower 5-inch in diameter; strong 24-inch stem; good grower; free bloomer; keeps and ships well. 300 strong plants, 3 to 5 eyes, $20.00 per 100.

LATE PINK VARIETY

No. 11. Humei (syns. Humei Rosea, Edulis and Thorbeckii) Entire bloom pure, bright, deep rose; very vigorous grower; 24 to 28-inch stem; 6 to 7-inch deep, full, heavy bloom; strong, rich cinnamon fragrance; one of the finest colors of the very late peonies. 1000 strong plants, 4 to 8 eyes, at $8.00 per 100.

LATE RED VARIETY

No. 259. Grandiflora Rubra

Entire flower deep blood red forming a huge globe 7 to 8 inches in diameter, strong, vigorous grower; stands handling; ships and keeps well; 30 to 34-inch stem; one of the latest as well as one of the largest. 200 strong roots, 4 to 5 eyes, at $20.00 per 100.

To get the best results Peonies should be planted as early in September as possible. ORDERS ACCEPTED STRICTLY IN ROTATION. Five per cent. discount for cash with order.

THE COTTAGE GARDENS, C. W. WARD Manager. Queens, L.I.

FOUNDED IN 1888.

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Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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Orders from unknown parties must be accompanied with cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

Contents.

PAGE
A Progressive Association ... 707
Agaves at Botanic Gardens, Washington, D. C. (Illus) ... 703
American Association of Nurserymen 693
American Peony Society, The ... 693
Barr, Peter, on American Horticulture ... 700
Bowling ... 708
Briefs for Busy Florists ... 708
Canadian News ... 704
Catalogues Received ... 696
Changes in Business ... 705
Evergreens, Some Neglected ... 703
Exhibitions ... 700
Fewkes, A. H (Portrait) ... 693
Greenhouse Men's Indemnity Exchange ... 700
Hale, N. W. (Portrait) ... 693
Hancock, George (Portrait) ... 701
Holland Bulb Crop ... 704
Insurance for Nurserymen ... 704
Lawn Plant for Arid Regions ... 696
Market, Review of the ... 705
Nursery Department ... 691
OBITUARY:
  J. T. Anthony (Portrait), J. W. McGarrett (Portrait) ... 701
Question Box ... 695
Rose Establishment at Hamburg, N. Y. ... 703
Roses ... 702
Seed Trade Report ... 689
Steam Boilers Summer Treatment of 695
TRADE NOTES:
  Buffalo ... 704
  Chicago, Philadelphia ... 705
  Lenox, Mass.; Milwaukee, San Francisco ... 707
  Cincinnati, New York ... 710
  Denver, Indianapolis, St. Louis, Washington, Worcester ... 711
  Reading ... 713
Ward C W (Portrait) ... 693

The subscriber desiring information regarding Mrs. Frances Joost carnation can obtain same by addressing Mr. Chris. Besold, Mineola, N. Y.

EXHIBITIONS.

CINCINNATI, O.—The schedule of premiums offered by the Fall Festival Association, September 10 and 17, has been issued. Prizes amounting to $1,000 will be awarded for displays of cut flowers, roses, carnations, gladiolus, lilies, asters, and dahlias, glad- exhibition is under the auspices of the Cincinnati Florists' Society. Competition is open to all. John A. Ringold, room [illegible], Perin Building, [illegible] chairman of the floral committee having the matter in charge.

"Greenhouse Men Indemnity Exchange."

A circular announcing the proposed formation of a "Greenhouse Men's Indemnity Exchange" is being distributed among the trade by Mr. Lawrence Woeber, of Wheeling, W Va. It is intended to be a mutual insurance, and the plan and methods are outlined in detail in the circular. The object is to insure against fire as well as "hail and tornado."

Insurance at the Exchange is "available only on high-class buildings or stocks belonging to greenhouse men whose prominence financially, and whose success in their business evidence them to be of a class exempt from the usual ratio of losses; all of which class of men are compelled by the methods of insurance companies to pay rates that are excessive in proportion to the drain upon the companies by careless and dishonest policyholders, and by unreasonable expenses as well.

"Subscribers only are insured. As a subscriber, one participates in the underwriting, having an interest in all transactions as if policies were issued by a corporation, and he a stockholder. The profits of participation are returned annually to the subscribers.

"To become a subscriber one executes a copy of the agreement under which the business is conducted, and deposits a sum called his subscription—from $20.00 to $200.00, as he may elect.

"Insurance on stocks in greenhouses will be written to cover two-thirds of their average value during the working season. Losses will be paid at 75 per cent. of the loss sustained up to the amount covered by the policy issued."

Regarding "hail and tornado" insurance, the circular states: "The plan of indemnity against loss sustained by hail and tornado is based on the same principles pertaining to fire insurance, with the exception of a difference in rates.

"Owing to lack of statistics bearing on the subject, we find it a difficult matter to determine just how much to charge for hail and tornado indemnity, but have finally decided to charge a premium of 3 per cent. on double thick glass, and 5 per cent. on single thick, to cover both hail and tornado. We believe that these premiums will be ample to cover all losses, and probably will justify a reduction of rates later. On the whole, however, since the subscribers participate in the surplus over losses, the initial charge is, in a sense, only perfunctory."

A 3 per cent. on double thick glass would be about 30 cents per hundred square feet. The Florists' Hail Association charges 6 cents.

John G. Esler, secretary of the Florists' Hail Association, to whom Mr Woeber's circular was submitted for an opinion, writes as follows:

"The plan of insurance outlined is a feasible method of insuring mutually, used by men in the same line of business. They are close corporations which do not concern the masses. The weak point of inter-insurance is, that it is largely based upon presupposed profits, a failure of which to mature would weaken the reserve, to say the least, if it did not enhance the cost of insurance. This, of course, would only happen in case of excessive loss. Again, any proposition that insures florists' stock against fire, or greenhouses against wind, can safely be placed in the extra hazardous class."

A Substitute for Glass.

The Flexible Glass Company, of Jackson, Mich., is offering to the trade a substitute for glass that is worthy the consideration of all greenhouse owners. The material appears to be unbreakable, colorless, and admits just as much light as does ordinary glass, and can be laid in continuous strips from ridge to eaves and bent to any curve without injury.

A clouded grade of the flexible glass is made for putting on palm or other houses that require shade. After seeing samples of the flexible glass, we are of the opinion that at last there appears to be a substitute for glass in the field that seems practical, though, of course, actual tests will have to decide the matter.

Peter Barr on American Horticulture

When the veteran English seedsman and daffodil grower, Peter Barr, V. M. H., of London, was in this country on his tour around the world, he made many friends among the trade, who, we have no doubt, will be glad to read the impressions Mr. Barr formed of American horticulture during his stay with us. The following is culled from the Journal of Horticulture, London:

Mr. Barr explained that he had been absent since April 5, 1898. Japan and South Africa were his two objective points, to study the features and floras of both countries. Mr. Barr has been a great traveler in his day, having four times visited parts of the least accessible regions of Spain, also France, Belgium, Holland, and Norway.

Starting in 1898 on his presently concluded world-tour, he made for Boston, and traversed the United States and a large part of Canada. From the Californian coast he proceeded to Japan, then to Shanghai and Hong Kong. Manila, in the Philippine Islands, was also visited while in this quarter, and he sailed southward to Port Darwin, in Queensland, and journeyed, with many halts and leisurely, right round to Perth in the West. New Zealand was included in this tour and Mr. Barr traveled from one end to the other, touching all except the King Country. The King Country is that portion of New Zealand which is reserved for the Maoris, and it is only now that Mr. Seddon, the Premier, has been successful in persuading the Maoris to allow roads to be made through this country. The Maoris are represented in Parliament by two or three of their own race

Visiting Tasmania, the veteran traveler included in his circuit the old convict establishment and fruit farms. He then made two voyages to the South Sea Islands, calling on the first occasion at Fiji, Samoa, and Tonga, and on the second at Lord Howe Island, New Caledonia, New Hebrides, and Banks' Islands.

Continuing his tour, Mr. Barr left Western Australia for the Cape, where he remained for fourteen months, "till the British bought peace, and martial-law lifted." His stay included an exploration of the north of Cape Colony, Natal, Transvaal, and Orangia (the new name for the Orange River Colony). Returning to Cape Colony at the end of six months he went up through Bechuanaland, to Lobasti, the starting point of the Chartered Company's territory.

The United States.

Boston was the first city in the United States to which our itinerant went, and Boston is the great teaching center of America. It is here that the world-renowned Harvard University is, and the first events that led to the War of Independence occurred, as every schoolboy has learned, in Boston Harbor. The city is horticulturally notable for its possession of a magnificent new horticultural hall and a unique library of gardening books. Its horticultural establishments, however, cannot be said to excel, most of the nurseries being but small places.

American gardening all through is commercial. The private gardens are made to pay, at least much of the produce in nearly all of them is sold. Our Yankee friends do not ask, How best can we enjoy our gardens? but, How can we make the garden pay? Therefore it cannot be expected that American gardens have the same interest and variety as English ones. Thirty years ago, Mr. Barr says, there was more private gardening in the States than there is to-day. No desire seems to exist "to found a family," and pass on an estate after the English fashion

Speaking of gardeners in the States, Mr. Barr declares that they are nearly all Scottish, English, Irish, or German. The law of contract between a master and an apprentice is not admissible in America, therefore the native-born lads do not complete their probationship even if they start Black labor is often employed for the heavier and rougher garden work.

But we were at Boston. The public park of this city is profusely planted, and bedding is practiced much on the same lines as in England The system of naturalizing bulbs in grass has not been attempted, though bulbs would succeed, and so far, our traveler found that only the common double daffodils meet with a demand. The planting season for trees and shrubs, he said, is confined to five or six weeks, succeeding the thaw in April, till the time when the sun is too powerful to allow of further planting with safety

Referring to the florists' stores of New York, Mr. Barr pointed out that the florists are simply distributing agents, and in many cases run great businesses as company concerns. Cut flowers are sent very great distances in America, as, for instance, from Toronto to Washington, or Toronto to Boston, a distance of nearly a thousand miles. Evidently the American railway companies furnish more suitable wagons for this class of freight than ours do at home But it must surely pay a grower to send stock even a thousand miles when we hear of a charge of three dollars per flower for American Beauty roses. These, however, must have stems of 5 feet in length, and it is said that to grow such roses at less than a dollar apiece means a loss. Long stemmed chrysanthemums are likewise all the vogue.

It is often and justly said that we in England know too little of America and the Americans. It is especially true, we venture to assert, in matters horticultural. And it is hoped, therefore, that the somewhat copious notes which we will give of Mr. Barr's tour, may be in the nature of an awakening to many, a refresher to others, and of some interest to every reader. We have stuck as much as possible to the aspect that pertains to our class literature, and the divergences therefrom may be condoned for various good reasons.

As Mr. Barr spent a whole year in the United States and Canada, and visited a large number of the leading cities, he was able to see and learn much of the nursery, park, and gardening systems. For convenience sake the towns and their features are arranged as nearly as possible in the order in which our traveler reached them.

As we have already stated, first he entered Boston, which has large pleasure parks, all of which are remarkable for shelters, well-built and well-arranged, where children may play out of the sun, or escape when the weather is wet. These parks are under the superintendence of J. A. Pettigrew, whose office and house are at Jamaica Plain, and who kindly drove our friend round his extensive control. At the time of Mr. Barr's visit they were reclaiming much land, and a great deal of planting was being done. The last letter Mr. Barr had from Mr. Pettigrew stated that the latter had been down to Virginia purchasing from Vanderbilt immense quantities of trees and shrubs. It is five years since the veteran traveler tarried in Boston, and he feels quite sure that the surroundings must have been considerably improved under the direction of Mr. Pettigrew, who appeared to have carte blanche. Boston Public Library (a magnificent building) is remarkable for its collection of books, and in the vestibule of this building Mr. Barr saw a map showing the London parks which had been supplied by the County Council at the special request of the city of Boston.

From Boston to New York is not a very far cry, and thither journeyed the Daffodil King, visiting here the Central Park, the most important of that city. It may be said to be in town, yet is bounded on one side by a natural forest, where the squirrels freely run. The park has a distinction for the largeness of its collection of bad statuary! The Zoological Garden is not of much consequence. The Park has abundance of seats and nice shade trees. The new New York Botanic Gardens will be a great feature in time to come. They are under the directorship of Dr. Britton, who is assisted by an old English gardener, Mr. Samuel Henshaw. There is a great deal of decoration of one kind and another around New York, and some very handsome residences.

Albany, the capital of New York State, was chiefly interesting to our narrator on account of the statue of Robert Burns in the park, the full story of which Mr. Barr is able to relate. It was erected by a Scottish lady, the daughter of an old Highland couple who landed in Albany in the early days of that city. The impression of the face is said to have been taken when Burns' body was exhumed long years after his death, and represents Burns as a powerful man, with strongly marked large face and head.

Rochester, in the same State of New York, is horticulturally and pomologically historical on account of its being the early home of fruit growing Here are the extensive nursuries of Messrs. Ellwanger & Barry, and the story of their development, as narrated by Mr. Barry, is that a young Irishman (a Catholic), and a young German (a Protestant), saw that there was a coming demand for fruit trees in the United States. These two men went up to Rochester, sending to Europe for trees. England could not supply many, but at last they found a French firm who annually shipped them large quantities; in fact, the Frenchmen found it answered their purpose to grow fruit trees specially for the American firm As time went on the two partners covered their ground with stock, their reward being the accumulation of large riches, and they presented a public park and handsome shelter to the town. Adjoining this is the Highland Park, used as a nursery for the public parks. This nursery is an interesting place, as the shrubs, flowers, and other subjects are arranged and cultivated together in their natural orders. It is under the practical management of John Dunbar, a Scotsman, who is assistant superintendent, and who obtained his American experience under your friend Mr. Falconer. Mr Barr was driven over the park system, which, on the whole, is a worthy institution for the comparatively small town of Rochester. On one side of the River Hudson is situated a large expanse of meadow, opposite it being a high and somewhat steep bank, which it was contemplated to plant with the native flora of the State.

Reverting to the Ellwanger & Barry nursery, it was here that our Victoria Medallist saw them lifting trees with the plough, which will give some idea of the great extent of their culture. The trees are thrown out on to their sides, and simply hauled out and packed off. Mr. Barr was informed that apple trees are never grown twice on the same land and on inquiring how they managed to get fresh land, the answer was that for miles around Rochester there was not a good bit of soil that had not been at one time or another planted with young apple trees.

Mr. Barry is the son of the original Barry, and is a man of about sixty years of age. Mr. Ellwanger, the original partner, is over ninety years of age, still hale and hearty, but feeble. His sons have a literary turn of mind, and have written several very interesting books on gardening topics.

Rochester leads on to Buffalo, N. Y., and is within hail of Niagara Falls. Buffalo is an old, and a very large city, well built, with fine streets, good parks, and well planned avenues. It is here that Mr. William Scott dwells, he, the most prolific writer in the American gardening press and a very notable personality. Making his acquaintance Mr. Barr got rid of some bottles of champagne (?) which friends at Sandusky, Ohio, had insisted on his taking. A health to ye, Mr. Scott.

Crossing the border to Canada, the renowned Canadian fall at Niagara was inspected, admired, and wondered at. Mr. Barr's cicerone, the Scotch gardener at the park here, was of opinion that the Niagara Falls are shrinking, but on this point there is considerable difference of opinion. At Niagara there are two societies, one on the Canadian side, the other on the American, each devoted to historical research and the literature touching the period when the contention between the U. S. and Great Britain for that portion of Canada was rife. Through the kindness of the superintendent of the Queen Victoria Park, Mr. Barr was presented with a volume from the Canadian point of view; but he was not so fortunate with reference to the American.

(To be Continued.)

Obituary

J. T. Anthony.

J. T. Anthony, a well-known Western florist, died at his home in Geneva, Ill., on Thursday, June 11. Mr. Anthony was born at Foster, R. I., in 1842, and went to Chicago many years ago, there entering the employ of a Mr. Page. Later he bought the establishment of Samuel Muir, Michigan avenue, remaining there for eleven years. Subsequently he built greenhouses at Prairie avenue and Thirty-fourth street, Chicago, which he operated in connection with his florist's store in Michigan avenue. In 1893 he bought the Jackson greenhouses, which he conducted for over a year. His latest venture was at Geneva, Ill., where he had been growing stock for the Chicago market.

The deceased took great interest in all horticultural matters around Chicago. He was identified with the Chicago Florists' Club, and with the Horticultural Society of Chicago. In 1893 he was chosen president of the Society of American Florists at St. Louis.

THE LATE J. T. ANTHONY.

Mr. Anthony served in the Civil War, having been a commissioned officer in the quartermaster's department, and was well known in G. A. R. circles. He was also prominent as a Mason.

The remains were interred in Oakwoods Cemetery on Saturday, June 13.

THE LATE JAS. W. McGARRETT.

Jas. W. McGarrett

James W. McGarrett died at his home in New York City of a complication of diseases, after a lingering illness of over a year's duration. Mr. McGarrett was one of the oldest representatives of the florist profession in New York City; his first employment commencing with Messrs. Bridgeman & Co. In the early sixties he was a member of the National Guard, and during the Civil War patriotically responded to the government's call for volunteers, going to the front with his regiment and participating in the battle of Gettysburg and in other active service, both with the Twelfth and Eighty-fourth regiments, S. N. G. of N. Y.

THE LATE GEORGE HANCOCK.

(See Obituary in last week's issue.)

After his return home Mr. McGarrett again sought employment in his profession and served many years among the trade in New York, having been in the employ of the elder Walter Reid for eighteen years, and with Rickards & Co. for many years, his last employment being with J. W. Hauser, of Madison avenue, where he remained for ten years, until the time of his fatal illness. He had also been a respected employee of Charles Thorley, of Broadway, and of Alex. McConnell, of Fifth avenue.

Mr. McGarrett was held in high esteem by all, especially in the trade where he was well known. He was of strong character, conscientious in the discharge of his duties, faithful to all trusts, never swerving from what he considered just and right.

He leaves a widow, four sons, and four daughters. William, a printer, George, with A. McConnell, and Frank, an architect. His eldest daughter, Mabel, is a teacher in one of the New York public schools.

Funeral services were held at his late residence, [illegible] East Fifty-[illegible] street, on Sunday, June 14. The

ALEXANDER McCONNELL.

Photographs

The Florists' Exchange will pay $1, either in cash, a year's subscription in advance for our paper, or a credit for $1 worth of books, to be selected from our Book List, for each and every accepted photograph of any specimen plant, shrub or tree, foliage or flowering. Photographs can range from representations of the most ordinary bedding varieties up to the most stately palm, stove plant, shrub or tree, the desire of the publishers being to obtain as nearly a complete collection as can be secured. By "specimen" we mean one plant standing alone, all background to be screened off; to obtain this effect some cloth of neutral tint, as a gray for instance, should be used. Also, we will pay as above for distinctive lawn views, hedges of privet, boxwood, etc., for single specimen blooms, or artistic arrangements of cut blooms from flowers or flowering shrubs and trees.

Please note this is no competition, the only condition for acceptance being that photographs must be clear in detail, and each picture forwarded be accompanied with a proper description.

Size of photographs must not be less than 4 x 5 inches, although $6\frac{1}{2}$ x $8\frac{1}{2}$ inches would be preferred.

Address correspondence to Photograph Department.

FORT COLLINS, COL.—Mr. Clippings, who recently started the Pansy Greenhouse establishment here, is doing a very satisfactory business.

INDEX OF ADVERTISERS

Agnew P J 695
Allen J K 709
Amling E C 711
Andorra Nurseries 690
Anderson & Christensen 695
Aschmann G 695
Asmus E G 698
Austin H 691
Bader J 695
Baker W J 710
Barrows H H & Son 694
Bassett & Washburn 698
Bayersdorfer H & Co 714
Beach Jas E 698
Beaulieu H 688
Beckert W C 696
Berning H G 711
Berger H H & Co 689
Blaauw J & Co 690
Black Chas 693
Blue Hill Nurs 690
Bobbink & Atkins 687
Bock W A 691
Bonnot Bros 709
Boston Letter Co 712
Bradshaw & Hartman 709
Brant & Noe 698
Brown Bros Co 691
Brown E C & Co 707
Brown P 689
Buettner Emil 698
Burpee W A & Co 688
Byer Bros 695
Caldwell the Woodsman 707
Cal Carn Co 690
Carmody J D 712
Chicago Carn Co 706
Chinnick W J 703
Clifford F H 692
Clucas & Boddington 687
Coldwell Lawn Mower Co 714
Collins Thos 707
Conard & Jones Co 692
Connell B 692
Coolidge Bros 706
Cottage Gardens 690
Cowee A 689
Cowee W J 707
Cowen's N Sons 712
Crabb & Hunter 695
Craig R & Son 694
Crooke J J Co 708
Crowl Fern Co 707
Cunningham J H 698
Cut Flower Ex 709
Davis A B & Son 690
Deamud J B 711
Deming Co 712
Dietsch A & Co 713
Diller Caskey & Co 714
Dillon J L 698
Dillon Greenhouse Mfg 713
Dimmock A 694
Dins[illegible] H P 692
Dorner F & Sons Co 706
Dreer Hy A 712
Dumont & Co 710
Eichholz H 706
Eisele C 714
Eisele J G 706
Eisele W G 690
Elizabeth Nurs Co 689
Elliott W & Sons 688
Elliott W H 687
Emmans Geo M 694
Endtz Van Nes & Co 690
Farquhar R & J Co 695
Fellouris A J 707
Felthousen J E 695
F & F Nurseries 691
Flex Glass Mfg Co 708
Foley J J 707
Foley Mfg Co 713
Foster L H 695
Freeman J R 692
Fuchs A 698
Garland G M 712
Germain Seed & Plant Co 688
Ghormley W 709
Giblin & Co 714
Goodale B E 689
Gunther W H 709
Guttman A J 709
Haerens Bros 694
Hagerburger C 692
Hammond J A 709
Harris E 692
Heacock Jos 694
Henderson P & Co 695
Herr A M 695
Herr D K 695
Herrmann A 711
Herzog W S 692
Hews A H & Co 712
Hicks & Crawbuck 709
Hilfinger Bros 712
Hill E G & Co 711
Hillborn W T 698
Hippard E 713
Hitchings & Co 714
Holton & Hunkel Co 711
Horan E C 709
Hort Advertiser 707
Howe J H 707
Hughes G J 698
Hunt E H 707 11
Igoe Bros 709
Jackson & Perkins Co 689
Jacobs S & Sons 712
James R H 689
Jennings E B 689
Jessamine Gardens 691
Johnson & Stokes 68[illegible]
Jones H T 69[illegible]
[illegible] C H 7[illegible]
Kasting W F 710
Kent Place Nurseries 694
King Cons Co 714
[illegible] C A 692
Koster & Co 690
[illegible] 7[illegible]
[illegible] Bros Co 712
Lager & Hurrell 694
Lakeview Rose Gardens 698
Landreth D & Sons 689
Lang J 709
Langjahr A H 709
[illegible] Nurs 692
[illegible] 692
[illegible] 712
Livingston Seed Co 707
Lockland Lum Co 713
Lord & Burnham Co 71[illegible]
Lovett J T 692
Mader P 69[illegible]
Manhattan Sup Co 708
[illegible] W & Sons 69[illegible]
McCarthy N F & Co 71[illegible]
McFadden E C 707
McManus J 709
[illegible] 692
[illegible] 689
[illegible] 7[illegible]
[illegible] 7[illegible]
[illegible] 691
[illegible] 69[illegible]
[illegible] & Nash 709
[illegible] 69[illegible]
[illegible] 711
[illegible] 698
[illegible] 707
N [illegible] 692
N [illegible] 69[illegible]
N Y [illegible] Co 708
[illegible] 710
[illegible] 691
[illegible] 7[illegible]
[illegible] 70[illegible]
[illegible] 706
[illegible] 712
P[illegible] 706
P[illegible] 687 94
P[illegible] 698
P[illegible] 711
P[illegible] 69[illegible]
P[illegible] 71[illegible]
P[illegible] 711
Q[illegible] 71[illegible]
R[illegible] 69[illegible]
R[illegible] W W & Co 69[illegible]
[illegible] 709
[illegible] & K[illegible] 688
[illegible] 695
[illegible] 71[illegible]
[illegible] 698
[illegible] 709
R[illegible] Co 712
R[illegible] & S[illegible] 709
R[illegible] H M & Co 707
R[illegible] 695
Rolk[illegible] A & S[illegible] 691
R[illegible] A & C 692
Rupp J F 688
S[illegible] W H 698
Saltford Geo 709
S[illegible] & S[illegible] 691
S[illegible] 691 92
S[illegible] F W O 688
S[illegible] A 691
Scott J 691
Sheffield Greenhouses 690
[illegible] 689
S[illegible] W [illegible] 70[illegible]
[illegible] 71[illegible]
[illegible] 69[illegible]
[illegible] 69[illegible]
[illegible] 69[illegible]
S[illegible] N A S[illegible] 70[illegible]
S[illegible] W A [illegible] 69[illegible]
S[illegible] 692
[illegible] Co 692
[illegible] 707
S[illegible] Co 712
[illegible] 706
[illegible] 709
S[illegible] & [illegible] Co 692
S[illegible] A W[illegible] Co 688 706
S[illegible] A 710
S[illegible] W 692
S[illegible] W 708
S[illegible] Co 712
[illegible] 698
[illegible] 706
Thorburn J M & Co 688
T[illegible] W & T Co 707
[illegible] 691
[illegible] 709
[illegible] & Co 712
V[illegible] Seed Store 688 89
V[illegible] & M S[illegible] 706
V[illegible] 688
V[illegible] R Jr & Sons 690 709
W[illegible] G W 698
Weber C S & Co 712
Weber H & Sons 709
W[illegible] Bros 690
W[illegible] & [illegible] 689
W[illegible] Bros 710
W[illegible] H 691
W[illegible] Pottery Co 712
W[illegible] W 667
W[illegible] Bros 711
W[illegible] the L J Co 711
Wood Bros 691
Young J 709
Young & Nugent 709
Zirngiebel D 689

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS

A[illegible] 687 92 706 14
A[illegible] 690
A[illegible] 691 94
A[illegible] 691 92 94
Alpine Plants 690
Alternanthera 691 92 94 95 706
A[illegible] 687 92
A[illegible] 691 92
A[illegible] 691
A[illegible] 714
A[illegible] 687 92 95
Asparagus 691 94 95 96 98 701
A[illegible] 687
Asters 692
A[illegible] 690 91 94
Bedding Plants 695 711
B[illegible] 692 94 95
B[illegible] 714
B[illegible] 687 90
Bulbs not classified 687 711
C[illegible] 687 91 92
C[illegible] 688
C[illegible] 688 94
C[illegible] 687 89 92 94 95 706 14
C[illegible] 694 708 09
C[illegible] 692
Chrysanthemums 690 91 92 95 98 709 14
C[illegible] 688 89 90
C[illegible] 690 91 92 711
C[illegible] 690 92 711
Coleus 691 92 94 95 98 706
C[illegible] 690
C[illegible] 690
Cosmos 695
C[illegible] 692 94 706
C[illegible] 691
Cut Flowers 709 10
C[illegible] 688 89 706 11
C[illegible] 690 98
C[illegible] 692
D[illegible] 690
D[illegible] 687 90 706
D[illegible] 687 88 92
Decorative Plants 694 95
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Tuberoses 687
Vegetables 688 89 [illegible] 91 95
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ROSES

Cultivation of Outdoor Roses.

(Concluded from page 679.)

Hybrid tea roses are increasing in popularity year by year, and they have become among the most useful roses that we have. They are hardier than the teas, with increased size of bloom; and we have now almost every color in this class. This is a good type of rose to grow for cut blooms. The stems of most of the varieties are longer than those of the teas and not as heavy as those of the hybrid perpetuals.

The best varieties of hybrid teas include: Antoine Rivoire, rosy flesh; Aurora, salmon pink; Augustine Ginnoisseau, rosy white (fine); Belle Siebrecht, bright rosy pink; Bessie Brown, creamy white; Cameon's Glory, rose; Captain Christy, blush; Mme. Caroline Testout, the best pink, fine for massing and cut flowers; Charlotte Guillemot, ivory white; Countess of Caledon, pale rose, extra large; Denmark, like La France, deeper in color; Duchess of Albany, deeper pink than La France; Duchess of Edinburgh, rosy crimson; Ferdinand Batel, rosy flesh on yellow ground; Grace Darling, creamy white, edged with peach; Grand Duc Adolphe de Luxemborg, rosy red, reverse petals, brilliant lake, one of the best, handsome and distinct; Gruss an Teplitz, fiery red, good bedder; Helene Cambier, salmon rose to copper rose; Kaiserin Augusta Victoria, the best white and one of the very best roses in cultivation; La France, still one of the best; Lady Battersea, rosy crimson, shaded with orange; Liberty, bright red; Mme. Cadeau Ramey, rosy flesh; Mme. Jules Grolez, fine rose; Mme. Pernet Ducher, canary yellow, nice buds; Marquis de Salisbury, brilliant velvety red; Marquisse Litta, carmine rose; Mildred Grant, blush, white tinted pink (extra); Robert Scott, rosy pink; Souvenir du President Carnot, flesh, one of the best; Viscountess Folkstone, creamy pink, extra large flowers, a first-rate garden rose.

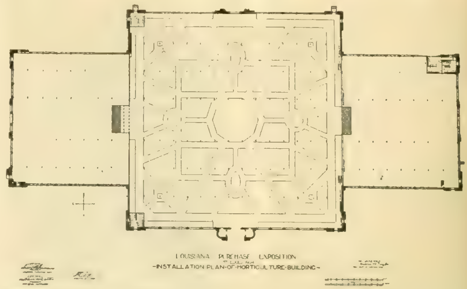
One of the most useful, and one of the most decorative roses that I know is Rosa rugosa. Anywhere it is in place, be it in the garden proper or in groups upon the lawn, or in the wild garden. It also makes one of the best hedges. It needs no pruning every year, as does privet, spruce, etc., and no staking or wiring like the climbing roses. It is one of the first to bloom in May and keeps on flowering through the season. The buds are very handsome, especially those of the white variety. One of its best points is its handsome foliage, which holds its color until frost. I have never seen rust upon it yet, and insects do not trouble it, with the exception of the June bug, which sometimes feeds upon it. But the foliage is so plentiful that you cannot see where the insects have been. Another thing recommending this rose is the fruit which shows up as we approach the Fall, and is produced in abundance, lasting long into the Winter.

This rose opens up a great field for the hybridizer. Some good things have already been obtained from it, one of the first being Mme. Georges Bruant, with clear white buds, something like those of Niphetos; Blanc double de Coubert, Conrad F. Meyer, silvery rose, very sweet; Mercedes, soft rosy pink, outer petals white, a new color in this class, and also very sweet.

For cultivation, plant in very rich ground and let the roses grow free from all pruning. Should they get too large, or bare at the bottom, cut to the ground, and they will come again as strong as ever. Next to R. rugosa, I would place the hybrid sweet briars. They are almost as useful as R. rugosa, with their lovely single and semi-double flowers and sweet-scented foliage, especially after rain or when the dew is on the leaves. They make a fine hedge, but need a little tying in of the long shoots the first year or two. They are also good for grouping, and if one has a rough corner, they are the thing to cover it up. Plant in good soil, and then keep the pruning shears from them and they will soon take care of themselves. They can be used to advantage in shrubberies, on the edges of woods and by woodland walks, where the shade is not too dense.

Rosa Wichuraiana is another rose that has become of great value in our gardens, especially the hybrids which have been raised from it. There is no rose better adapted for covering dry embankments where grass will not grow. The plants will flourish covering rock or rough places, stone walls and such like, and if planted so as to get into some trees, will make good climbers. The foliage of most of the varieties is very attractive, and the newer sorts have very handsome buds. Among the best are Evergreen Gem, Gardenia, Jersey Beauty, Manda's Triumph, Pink Roamer, Ruby Queen, Alberic Barbier, Rene Anare. The last three are new varieties.

We will now take the multiflora rose, especially the climbing varieties. They are all strong growers, and are first-rate pillar roses. For hedges they are also very useful, or as single specimens. First comes the Crimson Rambler, which drew attention to this class of rose. It is one of the most popular ever sent out, and to-day you see it everywhere. It flowers at a time when other roses are getting pretty well past. For single specimens, or in groups, it is equally good; and it makes a grand hedge. Aglaia is in the same class, and is also very good, being very sweet-scented. Electra, double yellow (new); Leuchentstern, single bright rose, white eye; Queen Alexandra in the style of Crimson Rambler, but the flowers are lighter in color; Royal Cluster, white and blush, fragrant, the Dawson pale rose, I think, is the best of its class; it is a good grower, the color of the blooms is good and clear and they are very sweet-scented. A fine rose for pillars.


LOUSIANA PURCHASE EXPOSITION
-INSTALLATION PLAN-OF-HORTICULTURE-BUILDING-

The dwarf polyanthas are useful for massing, or for edging other beds. They are free bloomers. Anna Marie de Montravel, white, free; Blanche Rebatel, purplish crimson; Cecil Brunner, rose, yellowish center; Gloire des Polyantha, rose, free; Mme. E. A. Nolte, yellow; Magdelene de Chatelier, pale yellow and copper; Mignonette, soft rose, one of the best; Parquerette, white; Perle d'Or, nankeen yellow, one of the best; Perle des Rouges, velvety crimson, always in flower; Clothilde Soupert, still good.

This is a class that demands more attention than it is receiving; that is, the species and their varieties. There are some very handsome plants in this class, useful either as climbers or bushes. Some are best when left to grow wild. Among the best are: Bardou Job, a garden variety, will grow six or seven feet high. It is one of the richest colored roses there is. Carmine Pillar, another garden variety, rosy carmine with white eye; one of the best pillar roses extant. Gloire des Rosomanes, crimson, semi-double; Hespida, pale yellow, single; Macrantha, large white blooms, with yellow stamens, makes a very handsome bush; Paul's, single white, good; Pissardii, white and lilac in fall; Pomifere, blush, followed by deep red fruit, a strong growing bush; Prairie rose, flowers in July after it can get a hold of a tree to climb on. This latter is our best native rose, and Spinosissima.

Scotch roses, single flowers of various colors, dwarf bushes. The Ayrshire rose and its hybrids should be put where they can get a chance to climb on tree stumps, rocks, or anything in that line. The best are: Bennett's seedling, white, double; Dundee Rambler, white, semi-double; Mme. Viviand-Morel, carmine rose; Queen of the Belgians, creamy white, double, splendid flesh color.

The moss rose has always been a favorite of our gardens. To get the most out of the plants they should be set in very rich ground. There are numerous varieties in this class, but not many of them are worth growing. The common moss is one of the best yet, Crested comes next to it, Crimson Globe (new); Gloire des Mousseuses, blush (good); Gracilis, heavily mossed (fine); White Bath; Blanche Moreau; Perpetual, white moss.

There are a few other roses that should have a place in the garden, such as the old cabbage, red damask, or Mme. Hardy. All Austrian roses are worth growing; in fact, our finest yellow roses belong here. The Persian Yellow is the finest of yellow roses and should be in every garden. Harison is a little lighter in color, but a rather stronger grower. Austrian Yellow is a single, but is the purest yellow of all and requires good growing to get it up to the mark. Austrian Copper should be grown by everyone; it has a most lovely color—orange red.

And we must not forget a few of the old-time pillar roses, such as Blairii No. 2, blush pink; Chénédolé, vivid crimson; Coupe de Hebe, deep pink, and Fulgens, deep crimson. Mme. Plantier is good as a bush hedge, or it will do as a pillar rose also; Paul Ricault, rosy crimson; Purity, white, blush center.

The rose is like everything else that grows—it needs lots of care and watching to bring it to perfection. We must make the conditions for the plants as suitable as we can, keeping the ground free from weeds, and suckers from the bushes. Keep the soil as firm as possible, placing only a dust mulch on the surface. Some people like to have the digging fork among the plants all the time; but this is a great mistake, as the rose likes to fight its way through firm soil.

Rose beds, after the Spring pruning, should be forked over and some manure and bone worked in. Bone, provided it is pure and free from acids, is one of the best of foods for roses.

After the plants have started well, you will have to keep a sharp lookout for insects, especially the rose slug and caterpillar. As soon as you see signs of these give the plants a dusting of hellebore with a powder gun. The time to do this is in the morning, when the dew is on the leaves, but once will not suffice; you will have to keep it up for some time—about once a week. You will gain by doing so, because you will have healthy foliage and handsome flowers. By using hellebore you will not be troubled with green fly. Of course, pillar roses that are planted around the house will get affected with fly sometimes; also with the white thrips. Tobacco water is the best cure in that case.

Some seasons we have been greatly troubled with the June bug eating the foliage and young shoots. There is no remedy for this pest except to hunt the bugs with a light at dark. Use a lantern and small can with water and kerosene oil, and go among the bushes and pick off the insects, dropping them into the can. In this way I have caught

PALACE OF HORTICULTURE, WORLD'S FAIR, ST. LOUIS.

(See page 675, issue of June 13, for description.)

as many as eight to ten quarts of bugs in a night. For mildew, use sulphur. I think it is one of the best remedies yet. Some seasons certain varieties will get a reddish rust on the back of the leaves, which spreads very fast. Bordeaux mixture is good for it, but disfigures the plants, so I would recommend copperdine, used in paste form; one pound will make fifteen gallons of solution.

In conclusion, if you want to have roses, start in the right way, with the best varieties. Plant your roses where they will not be disturbed for a good many years, and you will be well repaid in increasing bloom for any extra trouble you may have had in the planting of them.

In the discussion following the reading of the paper, Peter Duff coincided with the speaker, particularly upon the point of grafted stock. J. C. Williams preferred plants on their own roots. The speaker contended that, with the exception of climbers, grafted stock did "twice as well." J. B. D.

Cultural Notes.

There is really no set time when roses should be planted, as the work depends entirely on the condition the young stock is in, though most of the roses are benched in June out of 3½ or 4-inch pots. If, however, the benches are still occupied with paying stock the rose plants, if pot-bound, can be shifted into 5-inch pots; or break off about one-third of the ball and repot in the same pot, using fairly rich soil. If this be done, the plants should be cut back a little, and after the first watering be kept a little dry, till the roots start. Syringing should be done as often as possible. By this means the planting can be put off for some time, and the plants kept from becoming hard and checked.

When the old soil is removed from the benches these should be washed out thoroughly, and, when nearly dry, receive a coating of lime or cement wash. The latter is preferable, though a little more expensive. When dry, spread over the cracks some hay, straw, or cover with pieces of sod.

Before the soil is brought in, it should be turned at least twice, breaking up all the large lumps. It is better not to get the soil too fine. At the last handling it should receive some bone meal, at the rate of 75 to 100 pounds to a 100-foot house.

Just before setting out, the plants should receive a good soaking. This is a very important detail, for if not planted in this condition it will take them very much longer to start, and they are very apt to become weak. After planting, the whole bench should receive an even watering to settle the soil. After this but very little water is required. The grower must now use a great deal of judgment, especially in cold, cloudy weather, as if overwatered the plants soon become weak and spindly; and if allowed to get too dry they become hard and are apt to drop their leaves.

For the first few weeks water only the ball of the plant. Some of our leading growers make a little bowl or hollow around each plant, in which to pour the water, but with little care this is unnecessary.

It should be borne in mind, however, that it does not pay to plant any inferior stock; each plant should be made to produce good flowers, and this is impossible with poor, weak plants. Good stock can be obtained at a very small outlay, and it will be found a good investment. PENN.

Agaves at Botanic Garden, Washington.

The bed of agaves shown in the accompanying illustration is on the west side of the walk approaching the main conservatory from the south of the Botanic Garden, Washington, D. C. Another bed of a similar character is on the east side of the walk. The bed contains about fifty varieties, arranged according to their height, the taller ones being in the center, grading to the lower edge, which is an eight-inch border of portulaca. The bed has a rockery for a background, planted with herbaceous plants. At the north end of the agaves is a round bed elevated by a wall made of coral-rocks and planted with a variety of echeverias and other ornamental succulent plants.

BED OF AGAVES IN BOTANIC GARDEN, WASHINGTON, D. C.

Rose Establishment at Hamburg, N.Y.

For some unsolved reasons, attempts of but indifferent character have been engaged in to grow roses locally for the Buffalo market, that is, for the trade. Though a certain reliable demand of no mean proportions exists, the town is distinctively known as receiving its general supply from over-night distances.

Five years ago, Charles T. Guenther, a comparatively young man, possessed of a practical working knowledge of rose growing gained by experience in metropolitan districts, broke ground for such an establishment at Hamburg, N. Y.

A first visit to the place last week at once betrayed an air of prosperity in all parts of it, and told of a successful result. This, in spite of the fact, which Mr. Guenther admittedly states, that through comparative lack of sunshine here, and fuel conditions not so favoring, roses cannot be produced to the same cost advantages, as in the East.

In locating the plant, for better or desired isolation from the public and to obtain a better water supply, the structures were placed well back from the street and close to a creek that borders the five-acre lot on the rear, and with the ground favorably sloping towards it, to the south. This stream furnishes a continuous water supply of an adapting soft quality. It is pumped into a tank by steam power in the Winter season, in Summer by windmill power.

The rectangular-shaped lot being narrow, in approaching from the north, a well appointed shed is first entered, and reaching nearly across the lot. From this, at right angles, a 10-foot wide house leads off, serving, practically, shed purposes to the other east and west houses. To the east six houses extend 50 feet in length, to the west the same number are 100 feet in length; in width they range variously from 10 to 26 feet.

The personal application that is so necessary to produce good flowers, combined with intelligent knowledge, is earnestly practiced here. The varieties grown are closely limited to Bridesmaid, Bride, and some American Beauty for Winter, with Kaiserin Augusta Victoria and Souvenir du President Carnot added features for the Summer demands. Solid beds are the rule. A house of Kaiserin, now in full crop of perfect blooms, is in its fifth year. Another of younger stock, just starting for this season's cropping, seemed absolutely perfect in plant growth and vigor.

A new house now building 16 by 100 feet, is being fitted with cement sides for the ground beds.

Two houses are devoted to carnations, and a successful quality of blooms is produced. The varieties favored here are: For pink, Mrs. Frances Joost, The Marquis and Mrs. Lawson; White Cloud for white; in fancies, Prosperity and Mrs. Bradt; light pink, Morning Glory. Local conditions of soil and treatment are not so favorable to the Marquis, but the others bid fair to be relied on as staples for next season.

The heating facilities located in a detached walled basement, include two steam heaters, of capacity respectively of 35 and 45 h. p., with one of 22 h. p. for emergency. Butted glass of large size only is employed in all the houses. Without going into details of why and wherefore, Mr. Guenther stated decidedly that the advantages of the system overweigh its few deficiencies as he sees them. VIDI.

Some Neglected Evergreens.

Editor Florists' Exchange:

An examination of the catalogues of most of the leading nursery firms in this country would lead one to believe that some of the finest varieties of coniferous evergreens are not in great demand here, or else that the nurserymen are neglecting their opportunities by not offering them. With your permission, and in the hope of inducing others to try them, I will mention a few sorts which seem to me worthy of a place in every collection and which are seldom brought to the attention of the ordinary buyer.

Tsuga canadensis var. microphylla is a dwarf variety of the common hemlock, all of whose parts are a miniature copy of the type. The leaves are from one-fourth to five sixteenths of an inch in length and the annual growth amounts to but little more than one inch. So very slow is the growth that my specimen, which is nearly as old as I am (and I, like it, have been out of the nursery for some time) has only attained a height of 13 inches and a spread of 34.

It is perfectly hardy; the only care necessary is to see that it does not get broken by the weight of the Winter snows.

Tsuga canadensis var. aurea is spoken of in "Veitch's Manual of Coniferæ" as being inconstant in its color, but my own tree has retained its golden hue to some extent throughout the season. Like most varieties of evergreens departing from the normal green, it is brighter when making a new growth, but it is at all times sufficiently golden to stand out well in a group of green.

Neither the bright sun nor the cold winds of our Winters seem to affect its foliage.

The dwarf form of our common red cedar, Juniperus virginiana var. globosa, is of globular growth and is very neat, perfectly hardy, economical of space and distinct in foliage and form.

Among the retinosporas there are several rare kinds which should be better known.

Retinospora obtusa var. filicoides is one of the most beautiful little plants known to me, its sprays of foliage having all the grace and delicacy of fern fronds.

R. obtusa var. filicoides aurea (sometimes known as R. tetragona) is like the last named, except that its foliage is a rich yellow and it is of slower and more compact growth. Both are hardy in well drained soil, but should be protected from the weight of the snow, as they are not of very strong growth.

The dwarf form of R. squarrosa, known as var. nana, is a little gem and very rare. It has the soft silvery foliage of the parent form, but of diminutive size, and it grows so slowly as to seem scarcely to gain at all from year to year. If this excellent little plant were procurable in quantity it might be effectively used for bordering walks or formal flower beds, as the box was used in old gardens.

R. pisifera var. nana argentea variegata, another exquisite miniature form, has the pisifera foliage in reduced size, specked with white and of dense growth.

There is also an uncommon variety, of R. filifera known as filifera aurea variegata. Retinospora filifera, or the thread-branched retinospora, is a well-known tree of moderately strong growth. Its golden variety (R. filifera aurea) is also frequently planted and forms a small drooping shrub of much beauty, and the first mentioned variety (R. filifera aurea variegata) is also shrub-like and beautiful, the color appearing in "splotches and splashes," instead of being evenly spread on the foliage.

Among the yews, probably the best for our climate are Taxus baccata var. adpressa, T. b. var. repandens, T. cuspidata, and T. canadensis, for they do not require protection. All of these yews, however, are to be found in well-furnished commercial establishments.

The above-named sorts, with the possible exception of the golden hemlock, are suitable for small lawns, as they do not attain any great size and are therefore desirable plants for many whose limited space forbids and should prevent the planting of large growing trees. GEO. H. BUDKE.

Insurance for Nurserymen.

Read by George C. Perkins before the American Association of Nurserymen, at Detroit, Mich.

I don't know just how I came to get into this mess. I am usually retiring and unobtrusive enough to avoid all such opportunities of displaying my ignorance. I think it came about in much the same way that I am told people sometimes get into a state of intoxication; that is, I was in it before I knew it.

I feel entirely out of my class, too, in being slated to talk on the same subject with such people as Mr. Pitkin and Mr. Albertson. I never was much of a talker, and those of you who have done business with the other gentlemen know what they are, especially when it comes to getting the best end of a bargain.

I don't know much of anything about fire insurance, either, though I am a firm believer in it. A friend of mine at home is the treasurer of the church at which I am a regular attendant, at least by proxy, for my wife goes every Sunday. My friend, the treasurer, is what Bill Nye calls an "irreverent cuss." He sent me a postal card a while ago on which was written "Your fire insurance has run out." As he wasn't in the insurance business I couldn't make out what he was driving at until it had occurred to me that I had neglected to pay my pew rental for the last quarter, and this was his delicate way of reminding me of it. I suppose it is fire insurance for this world rather than the next, that we are to discuss to-day, however.

When this insurance question came up, it was suggested to me that if reliable data could be obtained regarding the average percentage of losses sustained in the past upon nursery cellars, we might go before the national board of underwriters and make a showing that would enable us to secure lower rates from the old line companies. It occurred to me, also, that if unsuccessful in this, it might be possible for a few of the nurserymen to form an organization after the style of the Manufacturers' Lloyds, and if so, these data would be a necessary prerequisite to that also.

With these ends in view I had considerable correspondence with a business friend in New York, an insurance broker by occupation. He is really an expert upon matters of this sort, and has access to the records of most of the old line companies. He thought he could procure the statistics we wanted and offered to do so for $100. I wrote a few of the nurserymen to ask if they wanted to subscribe $10 apiece to defray this investigation. Nearly all replied favorably and I told my friend to go ahead, but he found, upon attempting it, that it was quite impossible to compile separate data of the losses upon nursery cellars, as there were no separate records of them, so my investigations along these lines are without results.

When I found I was expected to say something on the insurance question here, I also sent out some letters to a few of the leading nurserymen, asking for information about the rates now required in their several localities upon both their own properties and, for the purpose of comparison, upon other risks of apparently no greater hazard. The information obtained has not proven to be very valuable, for the reason that there seems to be no uniformity of rates in different localities.

In a general way, however, the rates upon nursery cellars and their contents do appear to be unreasonably high. It would seem to an outsider that nursery cellars are a much safer risk than barns or other farm buildings, and yet the rates upon the former two are two to five times as great. The average barn always has a litter of hay, straw, or some such inflammable material, has wood floors; the farmer frequently has to go to it after dark with a lantern; if he drops a match or a spark from his pipe, or if the cow kicks over the lantern, the material for a conflagration is right at hand. The nursery cellar has a dirt floor; if burning matches are dropped on it they go out. It is seldom necessary to go to a nursery cellar after dark, consequently lanterns or portable lights are rarely carried into them.

I have also tried to draw some comparison between the rates upon nursery stock in storage and the stock of dry goods stores. It is difficult to make a satisfactory comparison because conditions vary so greatly and rates in different localities vary a great deal even when under about the same conditions. In general, however, the rates demanded upon nursery stock in storage average about the same as the rates upon dry goods stocks. The injustice of this is manifest. There is practically no risk of smoke and water damages upon nursery stock, whereas in dry goods stores the greater part of the damage is usually from these causes. Nursery stock is not easily inflammable and at the time of year when it is in storage the bankings are kept so full of moisture that fire would be very slow in getting under way. These conditions are entirely different in dry goods stores.

I think everyone will admit that most of us are paying much higher rates than are equitable, but what we are going to do about it is not so easily determined.

There has been some talk of forming a mutual company. There are in the United States about 2,000 mutual insurance companies in good standing, but I know of none which attempts to do business over so large an extent of territory as would be necessary in order to take in the majority of the nursery cellars. Most of them are simply county organizations, or, at the most, cover only a few adjoining counties.

The difficulty in doing business over such a wide territory is that the expenses of inspection and of adjusting losses upon such widely scattered risks would be very high in proportion to the amount of business done.

I believe that mutual companies which have tried to do business over a considerable extent of territory have not, as a rule, been very successful. An organization was formed a few years ago among the florists for the purpose of insuring greenhouses, but it was very shortlived, remaining in existence only about three years, I think.

Another objection is, that no purely mutual organization which we might form could safely write amounts that would anywhere nearly cover some of the risks that would be offered. There are quite a number of houses that would need to carry $25,000 to $50,000 on their stock in order to be even approximately covered, and a few who want $75,000 to $100,000. In my humble opinion, even $10,000 would be too large a sum to be safely written on one risk by any mutual organization of our own; indeed, it is difficult to get more than $5,000 from any one of the old line companies.

I believe that relief, if we ever get it, is coming from mutual companies, but from those already in existence, rather than by forming one of our own. I learn that many of the nurserymen who are located in small places, especially in Michigan, are obtaining insurance at very low rates from some of the numerous Farmers' Mutual companies. Many of these companies have been in successful operation for a long time, and furnish very cheap and safe insurance. The amount accepted by any one company upon a single risk is usually small, but policies of $2,000 to $3,000 may often be obtained in several different companies. Since I commenced investigation for the preparation of this paper I have found where we can place up to about $18,000 upon each of our two cellars in good mutual companies, and I think it will soon be possible to do likewise almost everywhere.

In a recent conversation with a mutual insurance man in Syracuse, I was told that the field of mutual insurance companies is soon to be greatly broadened. There is at present a national association of co-operative insurance companies, whose president is W. D. Forbes, Des Moines, Ia. This is an organization whose present field seems to be simply the calling of delegate conventions and attending to any matters of general importance in connection with mutual insurance. It does not exercise any jurisdiction over the business of the various companies.

I am assured, however, that there is a movement on foot whereby the larger mutual companies will be brought into closer relations with each other, so that the agent of one company may also write business in many others, and by thus dividing the properties among a number of companies, be able to safely cover quite large amounts.

This matter is to be taken up at the next meeting of the national association, which occurs very soon now, and my informant seemed very confident that this new organization would be perfected and ready for business by the first of next year.

I have had quite a lot of correspondence in connection with this topic, but have not been able to dig up any ideas of special value. I have not anything definite to suggest, except that perhaps it may be as well to wait and see what is done by the national organization of mutuals. I trust something more valuable may be brought out by the other gentlemen.

Holland Bulb Crop.

Notwithstanding the many contradicting reports that have been published in regard to the prospects for this year's bulb crops, it remains a fact that the outlook in many places is far from promising, and although it may not at first affect prices as much as it would do in ordinary seasons, the effect is sure to be felt later in the season, and at any rate it will take away any chances for a glut in the market like there was last year. No doubt the fine and warm weather that we have had for the last two weeks has very much improved the condition of the ground, and if the month of June should give us a further good dose of warm weather, it must work favorably upon the ripening of the bulbs in the ground even if it should not make them grow any more. —Dutch correspondent, Horticultural Trade Journal.

Buffalo.

News of the Week.

On Tuesday, Anderson filled an order for a large standing scroll, ordered by the Erie County Board of Supervisors as a tribute to the deceased clerk of that body.

On Wednesday of last week J. H. Rebstock handled a wedding decoration of unusual character and pretensions, considering the small spaces treated. It was in one of our North street mansions. A free treatment of the large hallway of the house for begetting a chapel effect was given studied attention, in a liberal overhead covering of the ceiling and a second festooning of Asparagus plumosus entwined with white roses. Other details of colonial columns employed, decorated candelabras, with ribbon spaced portions, combined with fitted settings of choice specimen plants, lent an unusual effect to the whole, which elicited much approbation.

Palmer & Son executed a decorating order in Bradford, Pa., last week. Arthur Beyer, of the establishment, attended to the working details, being absent four days on the same. Fifteen hundred lily of the valley sprays were employed, largely in a canopy effect, in the dining room, and for table decorations were combined with white roses and asparagus. The parlor of the large home in which the ceremony was performed included a church altar effect, all in white and green. White columns introduced specially lent character, in their free decorating of white roses and peonies, which blooms, besides asparagus, were largely used. A finishing treatment of fine textile cording, arranged in a novel style, added a fitted charm to the arrangement. The book cases and mantels in the library were surmounted with bankings of red peonies. An advantageous feature here for further decorating as done about the house, was gained in using mountain laurel branches and foliage, now in full flower on hill-tops so near by, that the stock could be gathered the day of using.

The bedding plant trade continues active, and in a call that assures all good stock cleaning up closer than for some years, while as a rule satisfactory prices are being obtained.

Louis J. Neubeck, who has been conducting the George Troup (formerly known as the Webb houses) growing place at Corfu, N. Y., during the past year, as a supply for his retail needs, has relinquished his lease and occupancy of same. The new tenant, Wm. Ehmann, now less than two years a resident of this country, demonstrates his faith in American interests.

The store on Main street directly opposite Forest Lawn Cemetery entrance, formerly conducted in retail florist lines, but for some time vacant, has been reopened by J. W. Shaw, who was formerly connected with the cemetery under Superintendent Troup.

Palmer has inaugurated a Saturday half-holiday for his store employees, alternately during the three Summer months.

Mr. and Mrs. W. F. Kasting spent last week in the vicinity of Richmond, Va., he being interested in the doings of a convention of a fraternal order holding in that city.

A plant of Adiantum Croweanum, under the care of Peter Crowe, of Utica, N. Y., was seen here last Saturday. This novelty has the appearance of a coming winner.

VIDI.

GENEVA, N. Y.—The R. G. Chase Company has practically finished moving their office from Main to Pulteney street into their new building. For some time the old building on Main street has been altogether too inadequate for the needs of the growing business. The Pulteney street building is situated adjacent to the nursery grounds and in this respect will effect a great saving in time. The structure has been put up with a special view to the nursery business, so that in all respects it is thoroughly modern and finely equipped. The offices will be all arranged in one commodious room.

CANADIAN GROWN

		1000	100
COLEUS	Good assortment	$20.00	$2.50
CANNAS	Fine assortment, 3 and 4 in. pots..		6.50
Basket Plants	Splendid stock of suitable plants	22.00	2.50

WEBSTER BROS., Plantsmen, Hamilton, Canada.

Mention the Florists' Exchange when writing.

CANADIAN NEWS

Ottawa.

News Jottings.

After weeks of dry weather the rain has come. What a pleasure now to look at the carnations in the field and see them regain their rich color. They are starting off rapidly, and with the quantity of rain we have had no further fear for them throughout hot July need be experienced.

The Spring trade is over. Business has been far ahead of that of former seasons. Veranda boxes have made rapid strides and, I should say, trade in these has doubled itself. Next noticeable has been the demand for scarlet geraniums. All good geraniums have brought $1.50 per dozen. Cannas and caladiums have had an increased sale. The demand for carpet bedding plants has greatly decreased. Alternanthera will be to spare. Tuberous rooted begonias are becoming very popular and good plants have sold at $2.00 and $2.50 per dozen.

The Government Improvement Commission is bedding out large quantities along the beautiful driveway made around the city.

The city parks are looking very fine this year; Major Hill Park is a little beauty, and I do not think it can be equaled in Canada. Located at the foot of Parliament Hill it gives a view of the buildings, the Ottawa River and valley of the Chaudiere Falls and the country round for miles. Its new conservatory is very fine and the bedding out up to date. Parliament Hill, with its many beds and grand surrounding scenery, is a great resting place. Rockliff Park, about a mile from the city, is a grand natural park. In the hands of the present superintendent it is improving year by year. This is the popular recreation place of the city.

Our city fathers are even doing something to boom the decoration of the city, having placed boxes of flowers on each window of the handsome city hall. So, I am glad to say, we are climbing upward.

Business is still fair; lots of weddings and some funerals and a fairly good demand use up all stock. Carnations, and what roses there are, still show fair quality, Ethel Crocker and Glacier being the best at this time. Peonies have sold well at 75c. per dozen; but the varieties around Ottawa are not of the best. Palms from Europe seem to be slow in arriving.

R. Wright's new store and conservatory are nearing completion.

Having got through with fires, drouths, and Spring rushes, we shall turn to building and conventions for amusement.

E.

TORONTO.—Business in shrubs, hardy perennials, bedding plants, and cut flowers, during the past few weeks has been very good, and most of us have had a little time for anything but business. In bedding plants quite a number of the growers are sold out; all have had a good season and are likely to clean out everything before the end of the month. Prices have been a trifle higher than in former years. The cut flower trade has been, and still is, good. Roses and carnations are plentiful. Dunlop is sending in fine American Beauty roses; Lawrence, Golden Gate, and Dale some good Canadian Queen, which is a very taking variety and lasts well.

We have had considerable dry weather, but during the last few days have experienced several fine rains. The ground is in good condition, and most stock in the fields is looking very well. Carnations, which had rather a hard time at first, are now growing finely; the same may be said of violets. A considerable quantity of pansies and other outside flowers have been used this season, and hardly any really good stock has been wasted.

William Hill, of Yonge street, is showing a well-flowered plant of Oncidium incurvum in his window; the sprays are nearly six feet in length. Dunlop has been showing a few nice flowers of the native Cypripedium spectabile. These are quite as choice looking as any of the exotic varieties.

The Horticultural Society will hold a rose and flower show in St. George's Hall next Tuesday, June 23. The officers are working hard to make it a success. No charge will be made at the doors, but admission will be by ticket. The show is likely to be a good one.

THOS. MANTON.

Review of the Market

NEW YORK.—There has been such a shortening up in the supply of cut flowers since Monday that prices of nearly all kinds of stock have stiffened considerably. It is evident that growers of roses have begun to throw out their old plants in good earnest, and that the carnation benches are nearing the end of this season's yield. Outdoor flowers are also coming in in but limited quantities, and, taken altogether, we would estimate that within the last three or four days the supply of flowers has diminished more than 50 per cent.

American Beauty roses of the best grades have advanced to $3.00 per dozen again, and special Bride and Bridesmaid touch the 8c. mark occasionally, though about 6c. is the ruling figure. Some fairly good Liberty are coming in, and the better grades are fetching from 10c. to 15c. each.

Carnations have advanced in value quite perceptibly, some of the best Mrs. Lawson going as high as $3 per hundred. White varieties are quite scarce; more of these could be sold if obtainable.

Sweet peas are in better demand and a general advance in prices has resulted. These flowers are mostly sold in bunches, and it is noticeable that the size of the bunches has decreased materially lately.

Longiflorum lilies have also taken an upward turn. While inferior flowers can still be had at 3c. or 4c. each, those who want good blooms have to pay 8c. for them.

The call for green of any kind has diminished to almost nothing; neither smilax, asparagus nor adiantum is selling satisfactorily. Lily of the valley is firm in price, the supply not being in excess of the demand.

Some fine varieties of Japanese iris are arriving, also a limited supply of delphiniums and gladiolus.

ST. LOUIS.—Shipping conditions are more favorable this (Tuesday) morning. All of last week our wholesale men had a hard time getting in their consignments, as nothing could come over the bridge, and the only available route was from Alton, Ill., by boat, which often arrived late in the day. Most of the flowers came in in bad condition, having been on the road too long.

At the same time, the trade was very brisk, on account of school work. Several large weddings and funerals called for more work than the trade could handle under the above conditions, much of the work was made up of Cape flowers, sweet peas and galax leaves.

The report to-day is that the express companies are again receiving shipments and the chances are that by the end of the week all cut flower shipments will be delivered on time. The water on the east side is falling fast, and the flood which threatened to stop the wheels of commerce in St. Louis is about over.

First-class stock is now out of the question in this market; and the price asked for some of the stock is really too high considering the quality. The cool weather of last week cut down the local supply considerably. The best roses are selling at from $5 to $6 per hundred, seconds at $3 and $4, with Bride and Bridesmaid still badly mildewed. Meteor came in too open to sell well. Perle des Jardins are the best roses now on the market, some 3,000 of these were used last week for school work. Kaiserin Augusta Victoria also came in full blown, which makes them practically useless. Good American Beauty are very scarce now, and the few that arrive bring from $2 to $3 per dozen. Sweet peas are of a great deal better quality this week and are also in big demand, at 50c. per hundred, with plenty of them in the market. Good carnations are always in demand but are now coming in very small, with the price still up to $1.50 to $3 for good common stock. A few fancies go at $5, but very few of these are in the market. White and Daybreak have the best call.

The Third street commission men were greatly surprised at the big call for Cape jasmines the past week, but this was owing to the scarcity of other white stock. The street corner merchants handled jasmines by the thousands, as no stock was to be had at the wholesale houses. Fancy ferns are again scarce. Smilax is selling well at $15 per hundred.

The past week ended the season for the florists, and from now on alterations and rebuilding will be in order for the growers, and the retailer will look up old accounts. ST. P.

CINCINNATI.—American Beauty roses from new stock grown by the Heller Brothers, of New Castle, Ind., are now arriving and sell at $1.00 per foot. Bride and Bridesmaid and Golden Gate are selling clean at 3c. to 6c. Franz Deegen brings 4c. to 6c., Liberty 4c. to 6c. Carnations realize $1.50 to $2.00, and there are not enough to go round. Sweet peas, owing to the wet weather, have not been good, but are improving in quality; they sell at 50c. per 100. Plenty of smilax, asparagus, and fancy Eastern ferns are available. E. G. G.

INDIANAPOLIS, IND.—The sales of this week have been lighter than those of the week previous, but taking everything into consideration trade has been fairly good. There is a scarcity of funeral work, but many small weddings and receptions have kept the retailers busy.

Roses are of somewhat better quality than in the preceding week, but a great deal of the stock is small and mildewed. No. 1 Bridesmaid and Bride are scarce and sell at 4c. to 5c.; seconds at 2½c. to 3c. A few La France and Souvenir du President Carnot are to be had at 8c. to 10c. Liberty are good and sell at 10c. to 20c. Kaiserin Augusta Victoria are coming in in fine shape, going at 6c. to 8c. American Beauty are poor, and there is small demand for them, at 5c. to [illegible].

Bridesmaid and Bride retail at 75c. to $1.50 per dozen; La France, Carnot and Kaiserin, $1.50 to $2 per dozen; Liberty, $2 to $4 per dozen; Beauty, $1.50 to $5 per dozen.

Carnations are weak and small. Good carnations can easily be disposed of, but the poorer varieties go a-begging. The better grades wholesale at $1.50 to $2 per hundred. The retail price is 50c. to 60c. per dozen.

There has been no rain lately and sweet peas are of better quality and quantity; white and lavender color are in greatest demand, at 50c. per hundred.

Good Lilium auratum are to be had in this market at $1.50 per dozen. I. B.

SAN FRANCISCO.—There has been no let up in trade since the Memorial Day revival. Seasonable blooms are in abundant supply and prices firm. Wedding pieces, memorial tributes for funerals, and pretty designs for girl graduates and commencement day decorations, was the work in hand witnessed at a late hour at the stores of Sievers & Boland, Frank P. Shiberley, Frank Pelicano & Co., E. Rosaia & Co., Shanahan Florist Co., V. Matraia & Co., Charles C. Cohen, and at Charles Strappenbeck's American Florist Depot.

Romneya poppies and Japanese iris are the new-comers this week. Either are going well at $1.00 a dozen, the poppy at this price being 3½ and 4-foot stemmed. Bride and Bridesmaid roses run from $1.00 to $1.50 the dozen, and good carnation stock, notwithstanding the great abundance of same, is bringing 75c. to $1.00 the dozen, excepting such as classify with the Hanna Hobart, A. B. Spreckels and Whitelaw Reid, which are ready sellers at $1.50. Sweet peas are extravagantly plentiful, but prices per 100 are being generally maintained at from 75c. up. Peonies are not scarce, and are being held well at $1.00 a dozen. The lily family, and it never looked better, is many a good help to the retail trade. Callas and Harrisii move well at from 75c. to $1.00 a dozen. ALVIN.

BUFFALO, N. Y.—A kind of mixed business has been the rule at the leading stores recently. Some wedding orders, but only a few, with funeral work helping in cases, have combined to make an average volume. In quantity the stock of flowers has diminished, with quality also at lower ebb. The President Carnot rose makes a good impression; its light shade of pink is always pleasing, while adapting it to many purposes anywhere. Peonies are in full local supply just now. Spanish iris in various colors, outdoor grown, are attractive and popular. A. N. Pierson of Cromwell, Conn., is contributing some specially nice lily of the valley that commands an approach to fancy prices. VIDI.

DENVER.—Trade the past week has been rather quiet, the annual ball of the University Club on Friday doing a little to help along. The decorations for this affair were only ordinary, palms and greens being the chief materials used. Flowers are coming in heavily, carnations particularly so, but as yet good prices are asked. Roses are plentiful and the cool weather of late has helped the quality, stock keeping well. Indoor sweet peas are still abundant and will have to hold out quite awhile yet, as the outdoor peas will be late. Smilax is scarce, strings being cut that are yet hardly right, while asparagus, both Sprengeri and plumosus, is in good supply. P. S.

BALTIMORE, MD.—Last week, up to Thursday, was the dullest yet this season. Roses were in abundance with very few buyers. Carnations hold up in quality, the supply has decreased very much and is not equal to the demand. The quality of roses, with a few exceptions, is poor. Outdoor sweet peas are coming in fairly plentiful. Too much rain has been hard on Maman Cochet roses which are being cut from outside. J. J. P.

WASHINGTON, D. C.—Business has been very good the past two weeks. Decoration Day was a record-breaker, everything that looked like a flower went. Trade for June is looking bright with orders booked ahead for wedding decorations, commencement bunches, etc. Outdoor stock is in the best of shape. We are getting just sufficient rain to keep this stock in good condition. W.

CHICAGO.—The general tone of the market is about the same as a week ago. The supply is not so large. American Beauty are not very plentiful, and those coming are not of the [illegible] extra quality. Good flowers of the [illegible] find ready sale at from $[illegible] to $[illegible] per dozen for first quality. Other grades are priced at from $[illegible] per 100 [illegible]. Bride and Bridesmaid are not nearly so plentiful and the best grades are quickly bought up at prices ranging from [illegible] to $6.00 per 100. Inferior [illegible] goes at almost any price. Kaiserin Augusta Victoria [illegible] at from $4.00 to $8.00 per 100. Meteor and Golden Gate bring from $[illegible] to $[illegible]. Some extra fine Liberty are coming in from several of the growers and realize $[illegible] per dozen. Other grades sell at from $4.00 to $10.00 per 100. Sunrise and Mme. Abel Chatenay go at the same figures.

Carnations are not so abundant as last week and good prices are realized for the best grades. Mrs. Lawson, and others in that class, sell at from $[illegible] to $[illegible] per 100. Stock in the next grade brings $1.00 to $1.50.

Gladiolus are in increasing quantities, some of extra fine light color selling at from $3.00 to $8.00 per 100. Not so many of the Bride are on the market as in former years, this variety does not seem to take with our trade.

Harrisii and longiflorum lilies, as well as callas, are in limited quantities, bringing from $6.00 to $10.00 per 100. Lily of the valley has been in good demand and the quality has been extra; $3.00 to $4.00 per 100 was the selling price.

Peonies are not seen in so large quantities as last week and are easier to move at from $3.00 to $8.00 per 100.

Hardy herbaceous flowers are on the market, but the prices realized are not very satisfactory. R. J.

Philadelphia.

News Notes.

The retail stores are all doing a fair business for this season of the year. The work is chiefly for weddings, the number of which has been very large this month. On several days this week the stores experienced some difficulty in obtaining just the kind and quality of stock desired; while all flowers were very plentiful last week, the supply has diminished now, and business has kept up. This is accounted for by the fact that most growers are busy replanting. All kinds of roses are scarce, as also are good carnations. White flowers are in demand above other colors.

Club Outing.

The trip to Morrisville, Pa., to visit the nurseries of Samuel C. Moon, took place on Wednesday and was an enjoyable outing. There were sixty-nine adults and nine children in the party, which left this city by the steamer Columbia at 9.30 a.m. for Bristol, thence the party went by train to Morrisville. They were met at the station by Mr. Moon, and given a genuine straw ride in farm wagons to the nursery, two miles from the station. A substantial country lunch was provided, and the afternoon was spent inspecting the nurseries. The party returned by the same route, leaving Morrisville at 5.30 p.m. and reaching home at 8 p.m. John Westcott as usual had a brewing which was sampled on the boat going up and on the return. All enjoyed the trip and feel benefited by a better knowledge of evergreens and shrubs in general.

The annual convention of the American Seed Trade Association opens in Atlantic City on Tuesday next. Walter P. Stokes, of Johnson & Stokes of this city, is president. Most of the delegates will pass through Philadelphia, so that the seed firms will have many visitors. On Saturday, June 27, W. Atlee Burpee will entertain all the delegates at his Fordhook Farms, Doylestown, Pa.

DAVID RUST.

Chicago.

News of the Week.

The weather for the past week has been rather erratic; this city and vicinity has experienced some light frosts which from reports have done some damage to the tomato fields, but the frosts were not severe enough to damage florists' outside stock. A few good showers of rain are needed in and around Chicago. Several of the carnation growers are complaining of the drouth; a good many will have to resort to hand watering in a few days if rain does not come, and as there has been a much larger acreage planted this year than ever before, the task will be no small one.

Shipping trade is extra good at present and [illegible] to stand up the [illegible]. The Southern and Southwestern [illegible] mostly [illegible] work [illegible] complain [illegible] of the [illegible] good growing stock. [illegible] growers are [illegible] the [illegible] for the [illegible] stock [illegible].

The past week [illegible] Nashotah the [illegible] growers [illegible] of the [illegible]. [illegible] large a [illegible] number of [illegible] of all kinds by the [illegible] of the growers.

[illegible] of Park Ridge [illegible] A. T. [illegible] some fine Spanish iris, yellow and blue.

[illegible] Anning [illegible] some extra [illegible] Elbert, Crocker carnations, [illegible] the grower.

F. R. Hills of Morwood [illegible] sending in some [illegible] good [illegible] the [illegible] grower [illegible] some fine [illegible] Bridesmaid roses.

Outdoor grown sweet peas are coming in from several growers and are better than [illegible].

The [illegible] Club has secured rooms in [illegible] Hall, the same in which they [illegible].

A. [illegible] has improved in health [illegible] after a Winter's sojourn in Mexico and the Southwest.

The growers are [illegible] planting [illegible] more [illegible] to be devoted to [illegible] than last year.

A meeting of the various branches of the trade was held Tuesday, June 16, to devise ways and means to entertain the [illegible] as they pass through here on their way to Milwaukee. Committees were appointed with full power to act.

In the death of J. T. Anthony the trade loses one of its most valued workers, and a man who was never known to refuse [illegible] to a brother tradesman when in [illegible].

A. [illegible] had the decorations for the [illegible] wedding. Peonies and [illegible] were used with smilax and oak [illegible].

[illegible] of Vaughan's seed store is now [illegible] after a severe siege of sickness.

Alfred J. Smith, assistant head gardener at Lincoln Park for seven years, has resigned his position there and accepted one at Geneva Lake, Wis., where he has full charge of J. J. Mitchell's place. On leaving the park his fellow employees presented him with a gold watch and chain.

Edgar Sanders continues to improve and is now able to be out for a few hours every day when the weather is fine.

By unanimous vote of the faculty admiring friends of the graduates will be obliged to refrain from bestowing flowers upon this year's graduating class of the Academy of Our Lady, Longwood.

Herman Rennock was found guilty of killing his brother-in-law, Oscar Knetling, June 11, by a jury in Judge Chetlain's court and will be sentenced to the penitentiary for fourteen years.

Visitors in town: C. O. Wilhelm, Batavia, Ill.; J. J. Hess, Omaha, Neb., en route to Europe; O. Soderbom, Cromwell, Conn.; E. Haentze, Fond du Lac, Wis.; C. W. Ward, Queens, N. Y., and P. A. Freeman, Aurora, Ill.

R. J.

CHANGES IN BUSINESS.

RACINE, WIS.—M. B. [illegible] has opened a flower store at 119 Washington street.

BLOOMINGTON, ILL.—F. A. Baller is moving his greenhouses from East Bowker street to a five-acre lot which he has purchased and which is situated east of Brokaw Hospital.

CHARLESTON, W. VA.—The R. G. [illegible] Company, incorporated under the laws of the State of New York, with principal office in [illegible], with $[illegible] capital to deal in [illegible] stock, has been granted the proper authority by the Secretary of State to operate in West Virginia.

WEST BOYLSTON, MASS.—Potter & Cousins, who have carried on a general market business in West Boylston for the past few years, dissolved partnership June 8. Charles Potter will continue the business in West Boylston, and will later enlarge the greenhouses. Mr. Cousins has bought greenhouses in Leominster, and will remove there at once.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.

WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective indoors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF Co., 116, 117 West Street, New York.

Mention the Florists' Exchange when writing.

20,000 BEST COMMERCIAL CHRYSANTHEMUMS.

Ready to ship. From 2¼ in. pots.

Eaton, Appleton, Ivory, Bonnaffon, Maud Dean, Yanoma, Shrimpton, Murdock, Mrs. Jones, and many more, $2.25 per 100; 300 for $5.00, our selection.

COOLIDGE BROS., South Sudbury, Mass

Mention the Florists' Exchange when writing.

Chrysanthemums

Extra fine, ready now, 2½ in. Our selection of varieties, your selection of color, standard kinds, $20.00 per 1000. 500 at same rate.

Ivory, Pacific, Polly Rose, Eaton, Jones, October Sunshine, Appleton, Halliday, Shaw, Parr, Willowbrook, Montmort, Adele, Bonnaffon, Chamberlain, $3.00 per 100. Golden Wedding Liberty, Chadwick, Merry Christmas, Golden Beauty, Philadelphia, Pennsylvania, Orizaba, Yanariva, Maud Dean, $4.00 per 100. Superba, $5.00 per 100. Omega, Broomhead, Alice Byron, Opah, $6.00 per 100. Grand plants. Liberal reduction on large orders.

Send for complete List of new and other varieties.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS, COLEUS, Cannas, Etc.

Stock in first-class condition, from 2¼ inch pots. No less than five of one variety at these prices.

	Per 100
Acalypha, Macfeeana	3 50
Asparagus Sprengeri, 2½ in. pots	3 50
Hardy English Ivy	2 00
Lemon Verbena	2 50
Sedum, variegated	2 00
Swainsona Alba	2 00

COLEUS

Such varieties as Fire Brand, Fire Crest, Golden Bedder, Massey, Pink, Golden and Crimson 'Verschaffeltii, and Annie Pfister. **$2.00 per 100: $17.50 per 1000.**

ABUTILON, Eclipse, Savitzi, Souvenir de Bonn, Mrs. John Laing, Golden Fleece, Santana, **$2.50 per 100.**

CANNAS, Strong plants, from 3 in. pots, standard sorts, **60c.** per doz.; **$4.00** per 100; **$35.50** per 1000.

Robusta Canna, extra strong dormant roots, **$2.00 per 100; $15.00 per 1000.**

FUCHSIAS, Black Prince, Minnesota, Speciosa, Wave of Life, Trailing Queen, and others, **$3.00 per 100.**

CHRYSANTHEMUMS, such varieties as Major Bonnaffon, Col. Wm. B. Smith, Col. D. Appleton, Eureka, Glory of the Pacific, Golden Wedding, J. H. Woodford, Mrs. R. McArthur, Mrs. S. T. Murdock, Mrs. H. Weeks, Mrs. O. P. Bassett, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln, etc. **$2.00 per 100; $17.50 per 1000.** Special price on large lots.

HARDY POMPON CHRYSANTHEMUMS, 50 varieties, **$2.00 per 100; $17.50 per 1000.**

	Per 100
DAHLIAS, pot plants, in good variety	$2 00
STROBILANTHES Dyerianus, **75c.** per doz.	5 00

Notice our Vegetable Plant advertisement in this issue.

R. VINCENT, JR. & SON

White Marsh, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS, 2½ in. pots.

Branched J. T. Atkinson, Glory of the Pacific, Polly Rose, Pink and White Ivory, Marion Henderson, Thomas H. Brown, Mrs. H. Robinson, H. W. Rieman, Lucie Faure, Col. D. Appleton, Mrs J. Jones, Bonnaffon. Good plants. To close out, $2.00 per 100. **SMILAX**—5 in. pots. Strong plants, $4.00 per 100.

MOUNT HONNES CONSERVATORIES.

F. E. B. Callender, Prop'r. Fishkill, N. Y.

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CHRYSANTHEMUMS

Fine, strong stock in 2½ in. pots.

Col. D. Appleton, Chadwick, Mrs. T. L. Park, Timothy Eaton, White Bonnaffon, Yanariva, Yellow Bonnaffon, Jerome Jones, Hobson, $4.00 per 100; $35.00 per 1000.

Polly Rose, Pink Ivory, White Ivory, Harry Parr, Glory of the Pacific, $3.00 per 100; $25.00 per 100.

We are now booking orders for our beautiful new pink Chrysanthemum

KATHERINE STEINHOFF

$25.00 per 100, from 2½ in. pots.

HERMAN C. STEINHOFF, West Hoboken, N. J.

578 Hudson Boulevard.

Mention the Florists' Exchange when writing.

Chrysanthemum Novelties

25 cents each; $2.50 per dozen.

Convention Hall, F. J. Taggart, Globosa Alba, Amorita, Mlle. Marg. Douillet, Mme. Von Andre, Florence Molyneaux, Mrs. T. W. Pockett, Bessie Godfrey, Mlle. Marie Liger, Brunnaire, Minnie Bailey, Mrs. Rufus W. Smith, H. W. Buckbee, Mrs. J. J. Mitchell, Queen Alexandra, Mme. Paola Radaelli, Chas. Longley, Mrs. Alex. McKinley, Robert Laird, Godfrey's King, Quo Vadis, Millicent Richardson, C. J. Salter, Henry Sinclair, Yellow Eaton, Mme. Herrewege, Daisy Moore, Mme. Chambry and Mrs. Harry Emmerton and many others.

Send us a List of Your Wants.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention the Florists' Exchange when writing.

GERANIUMS In bud and bloom, 4 in., $6.00 per 100 Mrs. E. G. Hill, Jean Viaud, Bruant, Mme. Chevilliere, Beaute Poitevine.

CANNAS Fine large plants in 4 in. pots, ready for immediate planting, $7.00 per 100. Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERA, red and yellow, 2½ in., $2.50 per 100.

COLEUS, fifteen varieties, 2½ in., $2.00 per 100.

CHRYSANTHEMUMS **Rooted Cuttings.** July delivery. Opah, Polly Rose, Willowbrook, Robinson, Weeks, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnaffon, Golden Wedding, Golden Beauty, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, $1.50 per 100. Mlle. Liger and Yellow Eaton, 50c. each; $5.00 per doz.

BOSTON FERNS 6 in., 50c. and 75c. each; 7 in., $1.00; 8 in., $1.25; 9 in., $1.50.

ROSES, 2,000 Bride, 2½ in. rose pots, $3.50 per 100.

Cash or C. O. D.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

JAPAN BAMBOO CANES

Strong, durable and far superior to any other CANES offered. Just the thing for staking **Chrysanthemums,** Dahlias, Roses, etc. Packed in bundles, 2000 each, $11.00; 3 bundles, 6000 stakes, $30.00. Prices on larger quantities on request.

STUMPP & WALTER CO., 50 Barclay St., New York City

Branch Store, 404 East 34th Street, New York.

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BARGAINS PRICES REDUCED

JAPAN FERN BALLS In Fine Condition.

5-7 inch, per doz., $1.35; per 100, $9.00. 7-9 inch, per doz., $1.75; per 100, $12.00.
In cases containing 100 7-9 inch and 220 5-7 inch, per case, $26 00.
In cases containing 140 7-9 inch and 80 5-7 inch, per case, $22.00.

Cycas Revoluta Stems From ½ to 3 lbs. and from 6 to 15 lbs., about 350 lbs to the case, per 100 lbs. $6.50; by the case, assorted sizes, per 100 lbs., $6.00.

JAPAN BAMBOO CANE STAKES
THE VERY BEST IN THE MARKET

6 feet, ¼ to ⅜ in.,	per 1000, $6.00;	per 2000,	$11.00
3 " ¼ ⅜ "	" 3.50	"	6.50
3 " ¼ inch	" 3.25	"	6.00

FOSTITE for **Mildew** on **Roses** and **Carnation Rust,** per 25 pounds, $2.50.

CASH WITH ORDER, PLEASE.

C. H. JOOSTEN, Importer, 201 West St., New York.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

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FIELD-GROWN CARNATIONS

of best leading varieties.

We are also booking orders for 1904 Novelties: Crusader and Flamingo (scarlet), Reliance (white); Indianapolis (pink), etc.

Chicago Carnation Co., Joliet, Ills.

Mention the Florists' Exchange when writing

MODEL EXTENSION Carnation Supports

—ALSO—

Wire Rose Stakes and Tying Wire

Igoe Bros., Manufacturers, 226 North 9th St., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

IN BUD AND BLOOM

Geraniums, mixed, mostly light colors, 3½ in. pots, $5.00 per 100. Ivy Geraniums, mixed, good varieties, 3½ in., $5.00 per 100 **Cannas,** Italia, Austria, Charles Henderson, 4 in. pots, $5.00 per 100. **Fuchsias,** Storm King and Avalanche, 6 in. pots, fine, $10.00 per 100; Elm City, 4 in., $8.00 per 100. Verbenas, mixed, 3 in. pots, $2.50 per 100. Vernon Begonia, Lobelia, Parlor Ivy, Maurandya, Ageratum, dwarf blue and Princess Pauline. Coleus, dark red, 2½ in. pots, $2.50 per 100.

CASH WITH ORDER.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

Appleton, Eaton, Ivory, and other best commercial varieties. My selection of varieties, your selection of colors, from 2½ in. pots, $2.25 per 100 Also best varieties of Ferns for dishes, etc., 2½ in. and 3 in. pots, at $3.00 per 100.

Cash with order.

JOHN G. EISELE,

20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

2½ in. pots, Branched or single stem, fine. W. Bonnaffon, Timothy Eaton, Col. D Appleton, Gold Mine, A. J. Balfour, Intensity, $2.50 per 100. Yellow Bonnaffon, October Sunshine. $1.50 per 100. Cash please.

A. RELYEA & SON,

Orchard Place Greenhouses, POUGHKEEPSIE, N. Y,

Mention the Florists' Exchange when writing.

IVORY MUMS

AS TENDER AS SPRING CHICKENS.

Also Eaton, Appleton, Jerome Jones (the Queen of all chrysanthemums), Arline, John K Shaw, Harry Balsley. $2 25 per 100; $20 00 per 1000.

List of Geranium Novelties 1903, free.

Henry Eichholz, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Chrysanthemum Plants

In 2¼ in. Pots.

Mrs. Perrin, Maud Dean, Elvena, Wanamaker, Jerome Jones, Mutual Friend, G. Pitcher, Niveus, Golden Gate, Goldmine, Mrs. H. Robinson, Mme. Carnot, H. Hurrell, Major Bonnaffon, Willowbrook, J. K. Shaw, $3.00 per 100; $25.00 per 1000. Alice Byron, $5.00 per 100. Col. D. Appleton and Jeannie Falconer, $4.00 per 100. Yellow Eaton, 50 cts. each; $5.00 per doz.; $30.00 per 100.

A. N. PIERSON, Cromwell, Conn.

Mention the Florists' Exchange when writing.

A Progressive Association.

For a body of flower growers in the South who have formulated themselves into a real, live, florists' club, one that by self-manufactured plans is wide-awake and progressive, commend me to the Crystal Springs Floral Club of Mississippi. Commencing work in 1894, principally as amateurs, and by keeping vigilantly at it, many of the members have merged into florists and are working on a most pleasant and profitable basis.

Chrysanthemums appear to be a hobby with those who have successfully passed through the test as a fad, and the membership is so meritoriously prejudiced in this flower's favor, that for the Fall show little else is attempted, with the single exception of a fair sprinkling of roses. Mrs. S. H. Howell is president and Mrs. J. M. Dampeer, recording secretary.

The November flower shows held by this organization have always been of the very highest merit, and every member is well acquainted with the art of growing prize-winning flowers to the up-to-date proficiency of the art. They have attracted the attention of some of the largest chrysanthemum growers of America, and it appears that they have little to learn from any one. Such firms as Nanz & Neuner, of Louisville; Nathan Smith & Son, of Adrian, Mich., and James Morton, of Clarksville, Tenn., have all sent exhibits to the shows and not more than barely escaped with a fair share of the premiums. Mr. Newsom, the leading grower of chrysanthemums of New Orleans, acted as judge last year, and carried with him a few of his best specimen blooms to prove what culture in his city could accomplish. The flowers caused no other comment than that they were grown by the judge.

Parties who have seen their wonderful exhibits attribute the marked success first to the "eternal vigilance" of the growers, and second to the natural adaptation of the climate and soil. The soil used contains a large percentage of iron, besides being naturally loose and rich; and chrysanthemums are grown in open ground up to a certain stage when they have canvass protection, which ensures perfect foliage and blooms in the last stages of cultivation.

This club is preparing extensively for another show this year, on a much larger scale than ever before. The exhibition is attracting such attention that the governor of the State and other prominent officials are expected to be present on the opening day.

The members ship their flowers to markets to the demands of surrounding States and are beginning to be a considerable factor in the floral world of the South. S. J. MITCHELL.

Houston, Texas.

HARRISBURG, PA.—Harry Bouder and Miss Helen Marie Fleck were married here recently.

NEW HAVEN, CONN.—Edward J. Morse, florist, has been elected an alderman of this city.

AURORA, II.—J. M. Smely recently met with a painful accident, resulting in a double fracture of his forearm. He hopes to recover within a month.

NEW CASTLE, IND.—Fifteen men engaged in refilling beds at the South Park greenhouses went out on strike on June 10. They were being paid $1.50 per day and demanded $2.00. The demand was refused and new men will take their places.

CROTONS

FINE STOCK. 4 inch, $15 00 per 100; 5 inch, $20.00 per 100; 6 inch, $45.00 per 100.

Pandanus Veitchii

4 inch, 50c.; 5 inch, 75c.; 6 inch, $1.00.

The PHILADELPHIA Wholesale Flower Market

1224 Cherry St., PHILADELPHIA

Mention the Florists' Exchange when writing.

San Francisco.

News Jottings.

Wedding bells are ringing merrily in California and the Pacific States. Many seasons have passed since such a number of important weddings have taken place in the month of roses in this city, State, and on the coast, as has been characteristic of the last ten days of this year's June.

J. Seulberger, the pioneer florist and seedsman, located for twenty years at 509 Seventh street, has just opened another store at 414 Fourteenth street, which will henceforth be his principal place of business, the original store to be maintained as a floral depot. This new, modern store building, of 1903 construction, is 20 x 110 feet and has an airy basement of the same dimensions that will also be utilized by Mr. Seulberger.

There is a strong probability that Uncle Sam will shortly establish a botanical station at Fresno, Cal. Last week A. J. Pieters, botanist in charge of the seed and plant division of the Department of Agriculture, arrived here from Washington and spent a couple of days in Fresno, the object of his mission being to look up suitable places to locate experiment stations for determining the adaptability of foreign plants to this soil and climate. While Mr. Pieters did not say he would establish a station at Fresno, he was very well pleased with the country.

The forty-four members of the German Agricultural Society of Berlin, who are making an inspection tour of the United States, now in California, were shown through Golden Gate Park last week. After they had finished the drive and were having a farewell look at the floral section of the park which, by the way, is under the superintendency of Florist Thomas A. Munro, secretary of the Pacific Coast Horticultural Society, Erich von Flugge, who acts as manager of the party, was asked what feature of the park interested him most. With eyes focused across the low valley expanse of flowers to the grassy hillside opposite, where yet remains in plainest view the living flower "Welcome to the President," a floral masterpiece propagated by Florist Munro, and which immensely pleased President Roosevelt when he looked upon it a month ago, the distinguished German husbandman responded to the question thus wise: "The fact that you have cultivated this glorious flower garden upon a sand hill."

ALVIN.

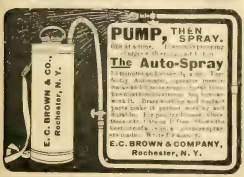
Lenox, Mass.

The Lenox Horticultural Society held its regular meeting Saturday evening, June 11. W. W. Woods showed over 100 herbaceous flowers, for which he was awarded a diploma and given special mention for the choice varieties exhibited. A. J. Loveless exhibited a fine lot of early vegetables, including cauliflower, peas, string beans, lettuce, beets, cucumbers, and large muskmelons. He was awarded a diploma. William Henry received a diploma for a fine collection of peonies.

The Society has prepared a very attractive schedule for its Autumn exhibit.

Milwaukee.

Messrs. Riemer & Radmer, No. 411 State street, agents of the Herendeen Manufacturing Company, Geneva, N. Y., have recently been awarded the hot-water heating contract for the new greenhouses now being erected for E. Haentze, of Fond du Lac, Wis. They will use two large Furman sectional boilers. Messrs. Riemer & Radmer are making quite a specialty of greenhouse heating, and they will install several more plants in their vinicity this year.



E. C. BROWN & CO., Rochester, N. Y.
PUMP, THEN SPRAY.
One at a time. [illegible]
The Auto-Spray
[illegible] Perfectly Automatic, [illegible] Brass working [illegible] parts make it perfect working and durable. [illegible] Catalog [illegible] free. [illegible] Write for [illegible]
E. C. BROWN & COMPANY, Rochester, N. Y.
Mention the Florists' Exchange when writing.

NATIONAL FLORISTS' BOARD OF TRADE OFFICE REMOVED TO
Wallace Building (ROOMS 601-603) 56 Pine St., N. Y. City
NEW MANAGEMENT.
HARRIS H. HAYDEN (Late Manager of the Nepera Chemical Company), - - President
WILLIAM A. MOORE (Assistant District Attorney for Westchester Co., N. Y.), Vice-President
JOHN E. WALKER (Member of the New York Bar), - - - - Secretary and Treasurer
Improved facilities for making collections in all parts of the United States, Canada and Europe. Reliable reports secured at short notice. Service prompt, trustworthy and efficient. Give us a trial.
Mention the Florists' Exchange when writing.

J. STERN,
1928 GERMANTOWN AVENUE
PHILADELPHIA, PA.
Wax Flowers, Floral Designs, Florists' Supplies.
Mention the Florists' Exchange when writing.

Berberis Oregonium
Mahonia.
Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, charges paid, for $1.00.
J. H. HOWE, Florist, 1433 34th Ave., So. SEATTLE, WASH.
Mention the Florists' Exchange when writing.

GALAX
Bronze or Green, $1.00 per 1000; 75 cts. per 1000 in 5000 lots.
Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.
L. J. KRESHOVER, 110-112 W. 27th St., New York.
Tel. 597 Madison Square.
Mention the Florists' Exchange when writing.

WE HAVE REMOVED TO 11 PROVINCE ST.
Order Direct from Headquarters
We carry the largest and most complete line of Florists' Hardy Supplies. Dagger and Fancy Ferns, best quality, $1.00 per 1000. Discounts on larger orders. Bronze or Green Galax, $1.00 per 1000; best quality. Laurel Festooning, best quality, 5c. and 6c. per yd. Green Moss, $1.00 per bbl.; 75c. per bag. Sphagnum Moss, $1.00 per bbl., 50c. per bag. We can fill your orders at a moment's notice.
Orders by mail, telegraph and telephone will receive our prompt and personal attention.
HENRY M. ROBINSON & CO.,
11 Province Street, Boston, Mass.
Mention the Florists' Exchange when writing.

HARDY CUT FERNS
New Crop Fancy and Dagger Ferns now ready. We handle only the best that grow in the "Old Berkshire Hills." Send us your order and we will please you. 50c. per 1000, in lots of 5000 or over; 65c. per 1000, in lots of less than 5000. A sample order will convince you that ours are The Best. Also Sphagnum and Sheet Moss, Laurel and Bouquet Evergreen in roping, wreaths or loose, etc., etc. Order from us and you will make no mistake. Address all orders to
H. J. SMITH, Hinsdale, Mass.
Mention the Florists' Exchange when writing.

A. J. FELLOURIS
Wholesale and Retail Dealer
IN ALL KINDS OF
Evergreens
GALAX
Bronze and Green
$1.00 per 1000.
FERNS FANCY, $1.50 per 1000.
DAGGER, [illegible] per 1000
468 SIXTH AVENUE,
Bet. 28th and 29th Sts. NEW YORK.
Telephone, 1431 Madison Square.
Mention the Florists' Exchange when writing.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25.
MANUFACTURED BY
W. J. COWEE, Berlin, N. Y.
Samples Free. For sale by dealers.
Mention the Florists' Exchange when writing.

Foley Floral Fotographs
Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, $7.00 c. o. d.
226-226½ BOWERY, NEW YORK
Mention the Florists' Exchange when writing.

HARDY CUT FERNS,
Fancy or Dagger, 50c. per 1000. Bouquet Green, $5.00 per 100 lbs. Sphagnum Moss, fine quality, 50c. per bbl. Laurel Roping, $4.50 per 100 yds. All orders by mail or dispatch promptly attended to.
Thomas Collins, Hinsdale, Mass.
Mention the Florists' Exchange when writing.

New Crop Fancy and Dagger Ferns, 75c. per 1000. Discount on large orders. Contracts made to supply the year round. Use our Laurel Festooning for your June decorations. It's the best decorating material to be found for weddings, etc. Price 4c., 5c., and 6c. per yard. Galax, green or bronze, 75c. per 1000. Mosses, etc. Everything in Hardy Supplies gathered fresh daily. Send us your wants and be well satisfied.
Crowl Fern Co.
MILLINGTON, MASS.
Telegraph Office: NEW SALEM, MASS.
Long Distance Telephone Connections.
Mention the Florists' Exchange when writing.

CUT FLOWER BOXES
WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20 ..	$2.00	$18.00	5 —4x8x22 ..	$3.00	$27.50
1.—3x4½x16	1.75	15.00	6.—4x8x28....	3.75	35.00
2.—3x6x18 ...	2.00	18.00	7.—6x16x20	5.50	53.00
3.—4x8x18 ..	2.40	22.00	8.—3x7x21 ..	3.00	29.00
4.—3x5x24 ...	2.75	25.00	9.—5x10x35 .	6.50	60.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash
THE LIVINGSTON SEED CO.
Box 102, COLUMBUS, O
Mention the Florists' Exchange when writing.

ALL NURSERYMEN, SEEDSMEN AND FLORISTS
WISHING TO DO BUSINESS WITH EUROPE SHOULD SEND FOR THE
"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address
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EMERSON C. McFADDEN
Wholesale Grower
CUT GREENS
Asparagus, Smilax, Sprengeri and Adiantum.
Tel. 28 A. SHORT HILLS, N. J.
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FOR SOUTHERN WILD SMILAX
Where quality is first consideration, write, wire or phone the introducers,
CALDWELL THE WOODSMAN CO.
EVERGREEN, ALA.
Or their Agents: L. J. KRESHOVER, New York; J. B. DEAMUD, Chicago; H. BAYERSDORFER & Co., Philadelphia; W. F. KASTING, Buffalo; H. G. BERNING, St. Louis, Mo.; J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.
Mention the Florists' Exchange when writing.

Printing..
We are outfitted to do everything in this line required by the florist, the seedsman and the nurseryman, from an envelope to the most stylish kind of a catalogue. Write us.
A. T. De La Mare Ptg & Pub. Co.
LIMITED,
RHINELANDER BUILDING, NEW YORK.

ILLINOIS STATE REFORMATORY,
Pontiac, Ill., on April [illegible]
Pronounce "NICOTICIDE" excellent.
If you want to get rid of bugs use it.
TOBACCO WAREHOUSING & TRADING CO.,
Louisville, Ky.
Mention the Florists' Exchange when writing.

"THRIPSCIDE"
(REGISTERED)
GREENHOUSE FUMIGATING POWDER
is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of Green Fly and Thrips. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows:
1 lb. Tin Can . $0.25 25 lb. Sealed Box $4.50
5 " " . 1.00 100 " " " 16.50
Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.
Prepared by The Lilly-Lilly Chemical Co. and sold by
E. H. HUNT
76-78 WABASH AVE., CHICAGO

CLASSIFIED ADVERTISEMENTS

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line) when set solid without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED

GERMAN florist, all around hand in greenhouses, wishes position. L. Geh, 150 Central Ave., Brooklyn, N. Y.

YOUNG MAN, eight years' experience on private and commercial places, desires position as assistant. Good references. C. J. Jordan, Riverton, N. J.

WANTED, position as manager of first-class establishment, good grower and salesman. References given. D. Livingstone, Armstrong St., New London, Conn.

FLORIST of 20 years' experience desires position on gentleman's country place; understands all branches; best of references. Address Y. A., care Florists' Exchange.

SITUATION wanted July 1. German 34, single, 20 years' experience with general greenhouse stock; also experienced in retail store. Address A. D., care Florists' Exchange.

A GOOD CUT FLOWER GROWER needs position; well known to trade of New York as a grower of high-grade carnations. Married. F. W. Godfrey, Port Richmond, S. I., N. Y.

SITUATION wanted by German florist and gardener, single, 30 years old, 16 years' experience. Competent to take charge. Please state wages. Gustav, 802 Communipaw Ave., Jersey City, N. J.

POSITION wanted by German, 30 years old; experienced in growing carnations, chrysanthemums, and pot plants, able to take charge of greenhouses. Please state wages. Address C. P., care Louis Braun, Florist, Canarsie Ave., Flatbush, Brooklyn, N. Y.

SITUATION WANTED as working foreman by reliable and up-to-date grower of roses, carnations, chrysanthemums, and general line of pot plants, with 18 years' experience, where good stock is wanted. State wages in first letter. Address A. A., care Florists' Exchange.

INTELLIGENT young man, 29, nine years' experience as grower of general stock, and high grade carnations for New York market, also with ability to plan, build and perform all work connected with greenhouse construction and heating, desires position. Address A. H., care Florists' Exchange.

SITUATION WANTED BY AN AMERICAN, 15 YEARS' EXPERIENCE WITH ROSES, CARNATIONS, CHRYSANTHEMUMS, ETC., THIRTY-THREE YEARS OLD, MARRIED, SOBER AND CAPABLE, GOOD REFERENCE. NEW ENGLAND PREFERRED. ADDRESS A. B., CARE FLORISTS' EXCHANGE.

FLORIST, gardener, head man, single, French, understands growing roses, carnations, chrysanthemums, violets, cut flowers, hot house plants, also landscaping, shrubberies, fruiteries, graperies, vegetable garden, wants situation. Can manage gentleman's country place. Good references. Address Gardener, 221 W. 35th St., New York.

HELP WANTED

WANTED—First-class carnation grower, by August 10; married, must come well recommended. Address E. H. Ruestow & Co., Barnards, N. Y.

WANTED, gardener for outdoors, wife for cooking and to help with housework, no children. Address D. C. Williams, Box 320, Clarksburg, W. Va.

WANTED on commercial place, man for general greenhouse work, steady place and good wages to the right man. Apply to P. J. Burgevin, Port Chester, N. Y.

HELP WANTED

WANTED, single man for general greenhouse work, wages for a start, $20.00 per month with board and room. References required. F. Schlenker, Florist, Bridgeport, Conn.

WANTED, a single young man of some experience in greenhouse work. Must be an industrious worker and of good habits. Wages $20 per month, board and room. Address X. F., care Florists' Exchange.

WANTED, in retail store near New York City, reliable young man with experience as salesman and maker-up, willing to take a hand at anything pertaining to retail florist business. Address A. G., care Florists' Exchange.

WANTED at once, good grower of roses, carnations, chrysanthemums and pot plants. Steady place, wages $35 per month and board to start. Please send copy of references. Address A. E., care Florists' Exchange.

WANTED, young married man as day fireman in greenhouse plant growing vegetables, good habits and willing to work in greenhouses when not occupied with boilers. Good wages and steady work. Alex. J. Park, South Chelmsford, Mass.

FLORIST wanted, competent in growing A No. 1 carnations, roses and general lines of plants. Steady employment. Wages, $40 per month with board and room. Increase in wages if parties are suited. Apply Missoula Nursery Co., Missoula, Mont.

BUSINESS OPPORTUNITIES

FOR SALE—A great bargain; 147 acres of good land and a prosperous nursery business. Price $5000. T. K. Godbey, Waldo, Fla.

FOR SALE—Florist place near New York, consisting of 25 lots; 18 greenhouses, 35,000 ft. of glass; good trade. Apply John Thumann, 533 Fulton St., Union Hill, N. J.

FOR SALE—Florist place, consisting of modern eight room dwelling, land 160x200 feet and over 5,000 feet of glass; heated by two 16 Hitchings boilers. For full particulars address G. H. Hunter, 423 Ellsworth Ave., New Haven, Conn.

FOR RENT or sale, three greenhouses, 24x200 ft., ¾ span; propagating house 100 ft.; potting shed; steam heat; city water; dwelling and stable, at Highland, opposite Poughkeepsie, N. Y. Immediate possession. Joseph Wood, Spring Valley, N. Y.

FOR SALE OR RENT—Park Nursery, Pottsville, Pa., consisting of four acres of land, 11 greenhouses under 14,000 ft. of glass. Population of Pottsville and surrounding towns, all connected by trolley, 50,000. Apply to Jos. DeFrehn, 300 So. 2d St., Pottsville, Pa.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass, completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat, splendid trade; best town in Colorado, no competition; $1000 cash takes it. Worth $3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE.

About 35 miles from Boston, seven greenhouses with one acre of well cultivated land, suitable for Summer planting. The houses are 100 ft. x 20 ft., and in fairly good condition. They are heated by a No. 11 Furnam hot water heater. For full particulars apply to

MR. G. ST. L. ABBOTT,
Room 621, 23 Court Street, Boston, Mass

FOR SALE.

A chance of a lifetime. Several thousand feet of glass, rebuilt last Fall, well stocked with chrysanthemums, etc. Free water and free coal. Good dwelling house. Easy terms. Inquire of

S. C. BRENDEL, Florist, West Newton, Pa.

THE AMERICAN CARNATION.

Now ready. Write for particulars.
Price, $3.50.
THE FLORISTS' EXCHANGE, 2 Duane St., N. Y

AMERICAN BRAND FLORIST FOIL

THE STANDARD FOIL OF AMERICA.

PLAIN—EMBOSSED—VIOLET

...MADE BY...

The John J. Crooke Co.,
Established 1850.
155 to 163 AVENUE D, NEW YORK.
149 FULTON ST. CHICAGO.
Mention the Florists' Exchange when writing.

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55 and 57 West 26th St.

Wholesale Florists

Daily Reports **Weekly Payments**

Tel. 2239 Mad. Sq.
2034 Mad. Sq.

J. A. MILLANG
Manager

MISCELLANEOUS WANTS

WANTED, lowest cash price on 200 Boston ferns from 5 or 6 in. pots; in good shape. Anderson & Christensen, Short Hills, N. J.

WANTED to communicate direct with parties raising mushrooms and all kinds of first class hot-house fruits. Address A. F., care Florists' Exchange.

WANTED to rent, small commercial place, suitable to grow cut flowers; with some land; near New York City. Address A. K., care Florists' Exchange.

WANTED, second-hand locomotive boiler, about 25 horse-power; must be first class. State rock bottom cash price. Julius F. Snyder, Route No. 1, Conshohocken, Pa.

WANTED—To lease or buy, commercial place of about 15,000 sq. ft.; must be modern, in good condition, with good farm land; within easy, convenient reach of R. R. station and Boston market. Address Y. G., care Florists' Exchange.

WANTED to buy, greenhouse material, glass, pipe, boiler, etc. Would buy a place to be removed in Connecticut or short distance from New York. State particulars about sizes; pipe and glass; lowest cash figure. Address A. I., care Florists' Exchange.

MISCELLANEOUS

FOR SALE—Some extra good second-hand 3-in. pipe at 6c. per ft.; also some 4-in. guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—1 Sidefeed Gorton steam boiler, $100.00, 1 Gurney Bright Idea steam boiler, $175.00, 2 Hitchings No. 57 hot water, $125.00 each, 1 Perfect Hot Water No. 24, $65.00; 1 Perfect Hot Water No. 25, $75.00. Cheap for cash. Guaranteed in good order. Mann & Brown, 5 W. Broad St., Richmond, Va.

FOR SALE—New 2 in. black pipe, long lengths, 10c. ft.; 6x8 single American Glass, $2.25 per box; double thick, $2.60 per box; single French glass, 100 ft. boxes, $4.00; 12x14, 12x16, 14x14, 16x18 double American glass, $3.60 per box; 10x12, 12x12, 10x15 single glass, $2.40 per box; 16x24 double French glass, $3.50 per box. Clear Gulf cypress greenhouse material; boilers and ventilating apparatus. Send for prices. S. Jacobs & Sons, 1365 to 1373 Flushing Ave., Brooklyn, N. Y.

NEW AUTOMOBILE

For Building Material

Will give brand new 1903 Elmore Gasolene Automobile, 6 h. p., simple engine, great hill climber; new four weeks ago; perfect in every way, guaranteed, for Building material, new or second hand, to the amount of $650. Automobile cost $800. We are about to double our plant and can use hot water boilers, 4 in. pipe, glass, sash, ventilating machines, wood and iron frame work. The Automobile can be tested any day.

Connecticut,
care Florists' Exchange.

FOR SALE

ONE

No. 58 Hitchings Sectional Boiler

In use three winters, $200 f.o.b.
Also a few thousand feet of 4 inch Pipe, Valves and Fittings.

H. SCHMIDT, Florist,
P. O. Box 259. COLLEGE POINT, N.Y.

ONE LORD & BURNHAM

$60.00

One Coil Boiler, 900 feet radiation	$35.00
One Coil Boiler, 2,200 feet radiation	60.00
One Ericsson No. 10 Engine	95.00
One Hitchings Hot Water Heater, No. 16	55.00
One Ericsson Pumping Engine, No. 8	80.00
One Ericsson Pumping Engine, No. 6	65.00
One Rider Pumping Engine, No. 6	110.00

All guaranteed to be in good working order.
Boilers taken in exchange.
New 2-inch Pipe, 10c. per foot net.
Second-hand 2-inch Pipe, 8c. per foot.
Second-hand 1½ inch Pipe, 5¾c. per foot.
Second-hand 1¼-inch Pipe, 4½c. per foot.
Second-hand 1 inch Pipe, 3¼c. per foot.
Second hand ¾-inch Pipe, 3c. per foot.
3,000 ft. job lot new ¾ inch hose, $5.00 per 100 feet, not guaranteed.
New ¾-inch hose, guaranteed one year for 150 lbs pressure, 7½c. per foot.
Write for prices on all kinds of tools and lumber.

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If you have not got a typewriter, now is your opportunity to obtain one for the modest sum of Twenty Dollars. This is the **LAMBERT**—and it's fully up-to-date. Address

HENRY A. GOLDBERGER
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Mention the Florists' Exchange when writing.

FLATBUSH, N. Y.—The under-noted scores were rolled by the Flatbush bowlers on Thursday evening, June 11:

	1	2	3
C. Wocker	154	131	144
P. Riley	...	174	130
E. Dailledouze	...	129	144
H. Dailledouze	...	107	126
P. Dailledouze	152	125	148
J. Thielman	129	158	159
L. Schmutz	102	138	125
S. S. Butterfield	120	109	106

ST. LOUIS.—The bowling on Monday night was very good, the two teams rolling almost even, as the scores below will show.

EXCHANGE TEAM.

	1	2	3	Total.
Beyer	153	166	145	461
Guy	129	147	151	427
Miller	164	140	151	455
Ellis	124	155	129	409
Weber, Jr.	112	117	168	397

REVIEW TEAM.

	1	2	3	Total.
Kuehn	138	174	195	507
Beneke	153	166	145	464
Weber, Sr.	147	148	160	455
Adlis	112	124	152	388
Bettekin	151	128	140	419

ST. P.

BRIEFS FOR BUSY FLORISTS.

CINERARIAS.—As soon as the seedlings are large enough to handle they should be put into small pots and grown along on a shaded side of the greenhouse. If one has a frame convenient, facing the north, that is the ideal spot in which to grow the cinerarias through the Summer months. If there are snails in the neighborhood of the frame, a strict watch will be necessary to keep them away from the plants; and an occasional dusting of the sides and bottom of the frame with air-slacked lime should be done in order to keep the snails out, as they love to feed on cinerarias.

ARDISIAS.—Young stock of these should be kept growing as briskly as possible, and, if it is convenient to devote a bench to them, plant them in three or four inches of soil and they will do better than if kept in the pots all Summer. They will also do quite well if planted outdoors, providing a bed with moderately light soil be prepared for them. The older ardisias—those that are coming on for next season's sales—will be benefited by a little weak liquid manure afforded them about once a week.

ASPIDISTRAS.—This is a good time to increase the stock of these decorative plants. Knock a few old plants out of their pots; shake the soil from the roots, then cut each leaf apart, with a portion of root attached. Pot the pieces in three-inch pots, and put them in a warm palm house, where they will go right ahead.

Ivory Soap.

(130) Use a small cake of the soap to five (5) gallons of water. This will keep down the thrips.

Dusting the foliage with sulphur is the only remedy for mildew, so far as our experience goes.

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Wholesale Prices of Cut Flowers, New York, June 19, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	15.00 to 25.00
	" extra	10.00 to 12.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	1.50 to 4.00
	Queen of Edgely	8.00 to 20.00
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00
	" extra	4.00 to 5.00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 2.00
	Golden Gate	2.00 to 6.00
	Liberty	2.00 to 15.00
	Meteor	1.00 to 5.00
Adiantum		.35 to .75
" Croweanum		...... to 1.25
Asparagus		25.00 to 50.00
Callas		3.00 to 6.00
Cattleyas		35.00 to 40.00
Cypripediums		.... to ......
Dendrobium formosum		...... to ......
Daisies		1.00 to 2.00

Carnations	Inf'r grades, all colors		.75 to 1.00
	Standard Varieties	White	.75 to 1.50
		Pink	.75 to 1.50
		Red	.75 to 1.50
		Yel. & Var.	.75 to 1.50
	*Fancy— (*The highest grades of standard var.)	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	Novelties		2.00 to 3.00
Iris			3.00 to 8.00
Lilies			2.00 to 3.00
Lily of the Valley			2 00 to 3.00
Mignonette—ordinary			.50 to 1.00
" fancy			...... to ......
Peonies			3.00 to 4.00
Smilax			6.00 to 8.00
Stocks, per bunch			.02 to .04
Sweet Peas, per bunch			.05 to .08
			...... to ....

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METEORS
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34 Hawley St., BOSTON, MASS.

Wholesale Prices of Cut Flowers—Per 100

Names and Varieties			Boston June 10, 1903	Phil'delphia June 16, 1903	Baltimore June 16, 1903	Buffalo June 3, 1903	Pittsburg June 16, 1903
A. BEAUTY, fancy—special			...... to	...... to	...... to	...... to 25.00	20.00 to 25.00
Roses	"	extra	...... to 20.00	20.00 to 25.00	...... to	...... to 15.00	10.00 to 15.00
	"	No. 1	8.00 to 16.00	10.00 to 15.00	10.00 to 15.00	6.00 to 10.00	6.00 to 8.00
	"	Culls and Ordinary	1.00 to 4.00	5.00 to 8.00	3.00 to 6.00	3.00 to 6.00	2.00 to 3.00
	Queen of Edgely		...... to	5.00 to 20.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special		...... to	...... to	...... to 6.00	...... to	...... to 6.00
	"	extra	...... to 5.00	8.00 to 10.00	...... to	6.00 to 8.00	4.00 to 5.00
	"	No. 1	2.00 to 4.00	6.00 to 7.00	2.00 to 4.00	5.00 to 6.00	2.00 to 3.00
	"	No. 2	1.00 to 2.00	4.00 to 5.00	2.00 to 3.00	4 00 to 5.00	...... to 1.00
	Golden Gate		...... to	...... to	2.00 to 4.00	...... to	...... to ......
	K. A. Victoria		2.00 to 10.00	3.00 to 10.00	2.00 to 4.00	4.00 to 8.00	4.00 to 10.00
	Liberty		1.00 to 6.00	5.00 to 20.00	2.00 to 4.00	4.00 to 8.00	4.00 to 12.00
	Meteor		1.00 to 4.00	4.00 to .800	2.00 to 4.00	3.00 to 5.00	2.00 to 4.00
	Perle		...... to	...... to	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00
ORCHIDS—Cattleyas			...... to	...... to	...... to	...... to	...... to ......
Cypripediums			...... to	...... to	...... to	...... to	...... to ......
Carnations	Inferior grades, all colors		.50 to .75	1.00 to 1.50	...... to .75	1.50 to 2.00	...... to .50
	STANDARD VARIETIES	White	...... to 1.00	1.00 to 1.50	1.00 to 1.25	2.00 to 3.00	.75 to 1.00
		Pink	...... to 1.00	1.00 to 1.50	1.00 to 1.25	2.00 to 3.00	...... to .75
		Red	...... to 1.00	1.00 to 1.50	.75 to 1.00	2.00 to 3.00	...... to .75
		Yellow and var.	...... to 1.00	1.00 to 1.50	...... to	2.00 to 3.00	...... to .75
	*FANCY (*The highest grades of Standard var)	White	...... to 1.50	4.00 to 5.00	...... to	...... to	1.50 to 2.00
		Pink	...... to 1.50	4.00 to 5.00	...... to	...... to	1.00 to 1.50
		Red	...... to 1.50	4.00 to 5.00	...... to	...... to	1.00 to 1.50
		Yellow and var.	...... to 1.50	1 00 to 5.00	...... to	...... to	...... to ......
	NOVELTIES		2.00 to 3.00	...... to	1.00 to 1.25	...... to	...... to 3.00
ADIANTUM			...... to 1.00	...... to 1.00	...... to 1.00	.75 to 1.25	1.00 to 2.00
ASPARAGUS			25.00 to 50.00	25.00 to 50.00	20.00 to 50.00	25.00 to 50.00	20.00 to 50.00
CALLAS			...... to	...... to	5.00 to 7.00	8.00 to 10.00	...... to ......
DAFFODILS			...... to	...... to	...... to	...... to	...... to ......
DAISIES			...... to	.75 to 1.00	...... to	...... to	.25 to .50
GALAX LEAVES			...... to .10	...... to .10	...... to	...... to	...... to ......
GLADIOLUS			4.00 to 6.00	...... to	4.00 to 5.00	...... to	...... to ......
HYACINTHS			...... to	...... to	...... to	...... to	...... to ......
LILIES			...... to	...... to	6.00 to 8.00	...... to	6.00 to 12 00
LILY OF THE VALLEY			2.00 to 3.00	4.00 to 5.00	...... to	4.00 to 5.00	3.00 to 5.00
MIGNONETTE—Ordinary			...... to 1.00	...... to	...... to	2.00 to 3.00	...... to ......
" Fancy			...... to	...... to	...... to	...... to	...... to ......
NARCISSUS			...... to	...... to	...... to	...... to	...... to ......
PANSIES			...... to	...... to	...... to	...... to	...... to ......
SMILAX			...... to 12.00	...... to 20.00	12.00 to 20.00	12.50 to 15.00	10.00 to 15.00
STEVIA			...... to	...... to	...... to	...... to	...... to ......
SWEET PEAS			.15 to .35	1.00 to 1.50	.15 to .20	.40 to .60	.25 to .75
TULIPS			...... to	...... to	...... to	...... to	...... to ......
VIOLETS			...... to	...... to	...... to	...... to	...... to ......

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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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THE AMERICAN CARNATION.
Price, $3.50.
Ready. Write for sample pages.
THE FLORISTS' EXCHANGE, 2 Duane Street, N. Y

New York.

The Week's News.

We are having a protracted spell of cool, rainy weather, which is quite unusual for this city at this time of the year. Business conditions in the retail line do not assume their normal state for June; and it is due only to the great curtailment of the flower supply that prices have taken such an upward turn.

Rudolph Asmus, who for thirty-seven years has been a wholesale grower in New Durham, N. J., and who we stated recently had sold his greenhouse property, has purchased land at Bogota, N. J., and will erect a dwelling thereon, where he will live and enjoy a well-earned rest from his labors.

Herman Schoelzel, who recently purchased the greenhouse property of Mr. Asmus, at New Durham, will, until the first of August, maintain both his newly acquired establishment and the one on Union Hill that he has been operating for some years. After the date mentioned he will devote all his energies to his New Durham greenhouses only.

Geo. Stumpp, of the Stumpp & Walter Co., seedsmen, Barclay street, with Mrs. Stumpp, sailed on Friday, June 19. for Bermuda. The visit to Bermuda will be a brief one only, and upon their return Mr. Stumpp will sail for Holland, in the interest of the firm's bulb business.

A certificate of incorporation was filed in Albany, June 13, with the Secretary of State by the United States Cut Flower Company, of New York City; capital $600,000. Directors: D. De Wolf Wever, G. C. St. John and A. H. Mattox, of New York City.

D. Y. Mellis, whose establishment is located near Holy Cross cemetery, Brooklyn, lost a great many plants of alternanthera, owing to the dry time and the scarcity of water during the first week in June.

J. I. Thielmann has been spending a few weeks in Chicago, Milwaukee, and other Western cities.

Mr. Charles Zeller, the veteran florist, continues in very poor health, we are sorry to say.

George Hildenbrand, the popular salesman for John Young, is a happy father. The boy arrived on the 15th inst. at 3 a.m. Mother and son are doing well.

Max Roth, a Jewish young man, 19 years of age, and for the last six months in the employ of James McManus, died suddenly last Sunday morning at his home in Thirty-first street. The young man was well known to the wholesale flower trade of the city, and was a member of Company B, Ninth Regiment, N. Y. V. When he left work on the Saturday evening, he appeared to be in his usual health, but on Sunday morning he was found dead in his bed. The doctor called in diagnosed the cause of death as cerebral hemorrhage.

Wm. Elliott & Sons have installed electric fans in their auction room; and we can keep cool now, however warm the weather or the bidding may be. The last sale of the season will occur on Tuesday next, June 23, when a lot of grand palms will be sold under the hammer. The palms are from Charles Zeller & Son and David Clarke's Sons, and are reported to be in first-class condition.

B. Suzuki, of Suzuki & Iida, left for Japan, via Vancouver, on Friday, June 19.

The date of the outing of the New York Florists' Club is now less than two weeks away, and those who intend going had better procure their tickets at once.

Vaughan's seed store report a very good wholesale trade, but a falling off in the retail line, this latter condition being, no doubt, a result of the cool and wet weather that has prevailed lately.

John Kral, salesman for Moore, Hentz & Nash, is enjoying a three weeks' vacation on his farm at Portchester, N. Y.

Hicks & Crawbuck, the Brooklyn wholesalers, have added florists' supplies to their cut flower trade, and are now carrying a full line of all such goods as are generally used in the retail florists' business.

R. Vincent, Jr., White Marsh, Md., will be in New York on Monday, June 22, and on the day following will sail on the Cunard line steamer for Liverpool, accompanied by Mrs. Vincent.

J. S. Wilson, manager of Vaughan's greenhouses at Western Springs, Ill., is expected in the city this week for a short stay.

W. Kervan has discontinued the wholesale flower store in Twenty-ninth street after a few days' trial. A card in the window states that he has gone back to No. 24 Twenty-ninth street.

William Scott, gardener to Mrs. Thomas Eastman, Tarrytown, N. Y., sailed on the Lucania Saturday, June 13, and will make a visit to his parents in Scotland.

J. T. Lovett, Little Silver, N. J., is operating three retail stores, one each at Long Branch, Elberon, and Lakewood, N. J.

Cincinnati.

The Week's News.

Business for June is holding up nicely, and everything is selling, and at fair prices. Roses are now of better quality since the extreme hot spell is over; and the few cool days and nights will give the plants a new start. Mildew is to be dreaded now; we are getting really fine Bride and Bridesmaid that are badly affected, and, of course, they have to be sold cheap in order to move them.

Annual Election.

Saturday evening the Cincinnati Florists' Society held its annual election for a new board of directors, which resulted in the following gentlemen being chosen: C. J. Ohmer, Ben George, George Murphy, William Schuman, and Louis Kyrk. Committees were appointed to make arrangements for our annual outing, and to select a route to travel to the annual meeting of the S.A.F.O.H. at Milwaukee. The outlook now for the attendance from this city is very good, and if those tributary to Cincinnati will join our delegation, we shall endeavor to make the trip as pleasant as possible. A letter addressed to George Murphy, or to E. G. Gillett, will bring all the necessary information.

On July 9 the first of the outdoor meetings of the Cincinnati Florists' Society will be held at the residence of D. Rusconi, Covington, Ky. Everybody is invited, and a genuine Italian spread is promised. Mr. Rusconi wants a big crowd. Richmond, Ind., people take notice, and act accordingly. Other outside friends in the craft are also cordially invited.

John C. Meyer, of Boston, Mass., he of silkaline fame, was a recent caller.

E. G. GILLETT.

Indianapolis, Ind.

News Notes.

Henry Reiman has had quite a bit of work for the Modern Woodmen of America, who are now holding their convention in this city.

John Bertermann accompanied the Indianapolis Maennerchor to St. Louis. He expects to go from there to Chicago on business.

At the establishment of Smith & Junge may be seen an arch of Crimson Rambler roses which is certainly a beauty. The arch is over eight feet in height and five feet wide, and one mass of bloom. The firm is trying to induce a number of matrimonially inclined couples to use the arch as a marriage bower free of charge.

J. A. Everitt, of the Everitt Seed Co., is promoting what has been termed a Farmers' Protective Association. The object is to keep in close touch with the grain markets of the world and thus be enabled to dispose of grain at a more advantageous time and with more profit than formerly. The project so far has met with success.

I. B.

Washington, D. C.

News Notes.

Shaffer, of Langdon, D. C., is cleaning out some of his houses and commencing to plant them with roses, such as Golden Gate, Bridesmaid and Kaiserin Augusta Victoria. He has about 10,000 carnations in the field looking at their best.

George Fields has cut some of the finest Ulrich Brunner roses I ever saw; the stems averaged 24 to 36 inches in length, and the flowers were superb.

George Cooke is doing a very steady business on Connecticut avenue.

Wolf & Ridenour are also doing a profitable business at their new location.

Those interested in bowling are requested to be at the alleys (rathskeller) every evening, commencing Monday, June 15, at 8 p.m., by order of Captain Ernest.

There was an interesting time here on the 19th. A match game between the Philadelphia, Baltimore and Washington bowlers for the championship and prize cup, known as the "Kramer Cup," standing 23 inches high and valued at $50.00. F. H. Kramer is the donor.

An Envelope in Flowers.

J. R. Freeman made a very beautiful design last week in the shape of a mailed envelope. The design was 5 feet wide and 38 inches high, on an easel, with a U. S. stamp worked out in flowers on the upper right hand corner, and the name of the deceased on the envelope. A small cluster of gardenias was placed on the lower right-hand corner, and on the left upper corner was a cluster of short American Beauty roses tied with ribbon. The deceased was employed in the post office department. The design was sent by his fellow-workers. W.

St. Louis.

Florists' Club Meeting.

The club meeting last Thursday was poorly attended, only ten of the regulars from the city being present. Our Belleville and Edwardsville members were prevented from coming, owing to the high water and no travel over the bridge. Secretary Schray could not attend—too much business kept him at home. President Dunford opened the meeting at 3 o'clock, with J. J. Beneke acting as secretary. It was announced by the trustees that they had made arrangements to hold the annual picnic of the club at Priester's Park on Thursday, July 23. A program of games of all kinds will be made up with prizes; a band of music will also be engaged and dancing will be indulged in. The programs and invitations will be mailed to all in due time.

Chas. J. Juengel was appointed on the transportation committee to see the railroads as to rates to the Milwaukee convention. Mr. Jeungel would like a list of the names of those going as soon as the members make up their minds.

He is also working on his report as State vice-president of the S. A. F., and the members are requested to make up their yearly business report and send it to him at latest by next meeting of the club.

The club will hold its next meeting at Kirkwood on the invitation of Wm. Winter, who promises everybody who attends a good time. The nomination of officers will take place, an essay by Fred C. Weber on "Benefits Derived by Attending Conventions" will be one of the features. President Dunford and Mr. Winter expect the attendance will be the largest of the year. This meeting will be held Thursday afternoon, July 9, at 2 o'clock, so the members should start by 12 in order to arrive in time. Visits will be made to the other florists living in the neighborhood.

News Notes.

F. W. Taylor, of the Horticulture Department, who attended the nurserymen's convention at Detroit last week, is back; so are the Webers and George Sailer. They report a great time and were sorry that they could not bring the next meeting to our city; but the majority wanted Atlanta. All came home happy, as Frank Weber had the honor of being elected vice-president of the association.

J. G. Bennett, who represents the Commercial Cut Flower Box Company of Binghamton, N. Y., called the past week to interest the craft in cut flower boxes. The young man met with good success.

Mrs. M. M. Ayers, Grand avenue, had a busy week with all kinds of work. She furnished one of the biggest wedding orders of the season. It kept Will and Chester hustling to get enough white roses, which numbered into the thousands.

A call at the Ellison establishment found everybody busy. They report that they used some two thousand Perle des Jardins roses for one order last week. Their present location is much better for business than the one vacated by them some time ago.

Alex. Siegel, Fred Foster, John Burk and the Hon. Mr. Potts make a great quartet at the wholesale houses every morning. Funeral work is their great specialty. They are out early and often.

ST. PATRICK.

Denver.

It is now almost certain that Denver will be well represented and also put in a bowling team at Milwaukee. The six constituting a team have promised to go, and one or two from Colorado Springs may join the party. Al. Mauff, our best man, has been doing good work on the alleys all Winter, and will have to show us the way at Milwaukee. Besides Mr. Mauff, Gus Benson, Bob Kurth, J. A. Valentine, Emil Glauber, and Phil Scott will make up the Denver team, all new ones to a bowling tournament but one, who looks forward to a friendly argument on the alleys once more with Kasting, Beneke, Kift, and a few other captains.

P. S.

Worcester, Mass.

Jottings.

Wild flowers have become quite a fad, and are freely used for decorations in place of cut flowers. Laurel in a large measure has superseded roses and carnations. An evidence of this was seen in the First Universalist Church, June 9, at a large wedding. H. F. Littlefield had charge of the decorations. The principal feature was a solid bank of laurel extending from the choir gallery to the edge of the platform. The pews also were trimmed with the same flower. For the house decorations Mr. Littlefield furnished pink roses and carnations.

Potter & Cousins, of West Boyleston, also had a church wedding last week. The decorations were reported as very fine.

June 14 was children's Sunday, and many of the churches followed their usual custom of giving the smaller children a potted plant. CAROLUS.

Cumberland, Md.

John Krout, aged 44 years, fell down a staircase at his home in Ridgely, W. Va., just opposite Cumberland, on June 8, and broke his neck. He was a native of Germany and was engaged as a florist and landscape gardener at Riverside Park here.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

WE ARE WESTERN HEADQUARTERS
For CUT FLOWERS, SEEDS, BULBS and SUPPLIES for the progressive and up-to-date florist. Send for our weekly quotations on Cut Flowers, our catalogue and circulars on Seeds, Bulbs, Ribbons, and all Florists' Supplies.
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THE E. F. WINTERSON CO.
Successors to McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work
45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago June 9, '03	St. Louis June 15, '03	Cincinnati June 15, '03	Milwaukee June 5, '03	Detroit June 10, '03
	A. BEAUTY, fancy—special	20.00 to 24.00	..... to 25.00	..... to 25.00	..... to 25.00	... to 30.00
Roses	" extra	18.00 to 20.00	15.00 to 20.00	..... to 20.00	15.00 to 18.00	.... to 25.00
	" No. 1	12.00 to 15.00	10.00 to 12.50	... to 15.00	10.00 to 12.00	.... to 20.00
	" Culls and Ordinary	4.00 to 8.00	3.00 to 8.00	4.00 to 8.00	4.00 to 8.00	5.00 to 10.00
	Queen of Edgely	..... to	..... to	..... to	..... to	..... to .....
	Bride, 'Maid, fancy—special	5.00 to 6.00	..... to 6.00	..... to 6.00	..... to 6.00	..... to 6.00
	" extra	4.00 to 5.00	4.00 to 5.00	..... to 5.00	..... to 4.00	..... to 5.00
	" No. 1	3.00 to 4.00	..... to 3.00	..... to 4.00	..... to 3.00	..... to 4.00
	" No. 2	..... to	..... to 2.00	2.00 to 3.00	..... to 2.00	..... to 3.00
	Golden Gate	4.00 to 8.00	3.00 to 6.00	4.00 to 6.00	4.00 to 6.00	3.00 to 6.00
	K. A. Victoria	3.00 to 6.00	3.00 to 6.00	..... to	4.00 to 6.00	3.00 to 8.00
	Liberty	4.00 to 20.00	3.00 to 6.00	4.00 to 6.00	4.00 to 8.00	..... to .....
	Meteor	3.00 to 6.00	3.00 to 6.00	..... to	4.00 to 6.00	3.00 to 6.00
	Perle	3.00 to 6.00	..... to	..... to	4.00 to 6.00	3.00 to 5.00
	ORCHIDS—Cattleyas	..... to	..... to	..... to	..... to	..... to 50.00
	Cypripediums	..... to	..... to	..... to	..... to	..... to 25.00
Carnations	Inferior grades, all colors	..... to	1.00 to 1.50	..... to	1.00 to 1.50	..... to 1.00
	STANDARD VARIETIES White	1.50 to 2.00	..... to 2.00	1.50 to 2.00	1.00 to 1.50	..... to 1.00
	Pink	1.50 to 2.00	..... to 2.00	1.50 to 2.00	1.00 to 1.50	..... to .....
	Red	1.50 to 2.00	..... to 2.00	1.50 to 2.00	1.00 to 1.50	..... to .....
	Yellow and Var.	1.50 to 2.00	..... to 2.00	..... to	1.00 to 1.50	..... to 1.50
	*FANCY— (*The highest grades of standard var) White	2.00 to 3.00	..... to 3.00	2.00 to 3.00	2.00 to 4.00	... to 2.00
	Pink	2.00 to 3.00	..... to 3.00	2.00 to 3.00	2.00 to 4.00	..... to .....
	Red	2.00 to 3.00	..... to 3.00	2.00 to 3.00	2.00 to 4.00	..... to .....
	Yellow and Var.	2.00 to 3.00	..... to 3.00	..... to	2.00 to 4.00	..... to 2.50
	NOVELTIES	3.00 to 4.00	..... to	..... to	..... to	..... to .....
	ADIANTUM	1.00 to 1.50	..... to 1.00	..... to 1.50	..... to	1.00 to 1.50
	ASPARAGUS	30.00 to 50.00	10.00 to 20.00	40.00 to 50.00	20.00 to 40.00	20.00 to 50.00
	CALLAS	6.00 to 10.00	..... to	..... to 10.00	..... to 10.00	..... to 10.00
	DAFFODILS	..... to	..... to	..... to	..... to	..... to .....
	DAISIES	.50 to 1.50	..... to	..... to	..... to .50	.25 to .50
	GALAX LEAVES	..... to	..... to .15	..... to .15	..... to .20	..... to .10
	GLADIOLUS	..... to	..... to	..... to	..... to 4.00	..... to .....
	HYACINTHS	..... to	..... to	..... to	..... to	..... to .....
	LILIES	6.00 to 10.00	..... to	..... to 10.00	..... to	..... to 10.00
	LILY OF THE VALLEY	3.00 to 4.00	..... to	..... to 4.00	..... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	..... to	..... to	..... to	..... to	..... to 2.00
	" Fancy	..... to	..... to	..... to	..... to	..... to 3.00
	NARCISSUS	..... to	..... to	..... to	..... to	..... to .....
	PANSIES	.75 to 1.00	..... to	..... to	..... to	..... to .....
	SMILAX	12.00 to 15.00	..... to 15.00	..... to 15.00	..... to 18.00	..... to 15.00
	STEVIA	..... to	..... to	..... to	..... to	..... to .....
	SWEET PEAS	1.00 to 1.50	.35 to .60	.50 to .75	..... to .50	.35 to .50
	TULIPS	..... to	..... to	..... to	..... to	..... to .....
	VIOLETS	..... to	..... to	..... to	..... to	..... to .....

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Wholesale Grower and Shipper of
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51 Wabash Ave. Room 221, Chicago
Telephone Central 8598. All telegraph and telephone orders given prompt attention.

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With the Flower Growers' Co.
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All telephone and telegraph orders given prompt attention.

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Manufacturers of WIRE DESIGNS
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All telegraph and telephone orders given prompt attention.
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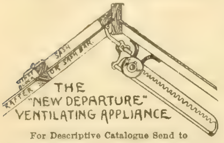
GOOD SASH LIFT

For a Very Little Money, Get



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MATERIAL FURNISHED
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MEN TO SUPERINTEND
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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

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For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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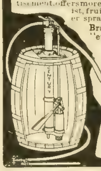
The Century Sprayer

a small cut of which is shown in this advertisement, offers more advantages to the orchardist, fruit grower, etc., than any other spraying outfit on the market.



Brass cylinder, brass valves, "everlasting" fabric plunger packing and the only thoroughly reliable agitator.

Cylinder 2½ ins., stroke 5 ins. Then, too, it sells at a lower price than other good pumps. Send for handsome free catalogue, showing full line of pumps and twenty varieties of sprayers.

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Are Positively the Best. Last Forever. Over 8,000 pounds now in use.

A sure preventive of glass slipping. Effective on large or small glass. Easy to drive, easy to extract. Two sizes, ⅝ and ⅞, 40c. a lb.; by mail 16c. extra; 7 lbs. for $2.50; 15 lbs. for $5.00, by express. For sale by

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RED POTS

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STANDARD SIZE
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Syracuse, N. Y.

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USE IT NOW.

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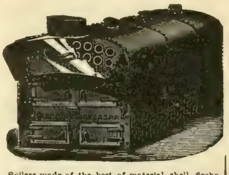
IMPROVED

Greenhouse Boiler

33 Erie St., Chicago.



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Window Glass. Painters' Supplies.

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Holds Glass Firmly

See the Point ☞

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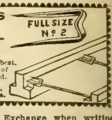

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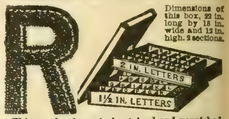

Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2 inch size, per 100, $2.00.
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Fastener with each letter or word.

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Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6.00
1000	3 " "	5.00
800	3½ " "	5.80
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320	5 " "	4.51
144	6 " "	3.16

			Price per crate
120		pots in crate,	$4.90
60	8	" "	3.00
		HAND MADE.	
48	9	in. pots in crate,	$3.60
48	10	" "	4.80
24	11	" "	3.60
24	12	" "	4.80
12	14	" "	4.80
6	16	" "	4.60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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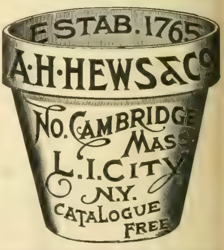
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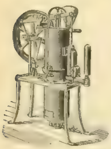

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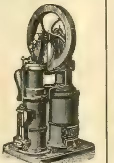
If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.



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Iron Gutters and Posts

Patented December 27th, 1898.
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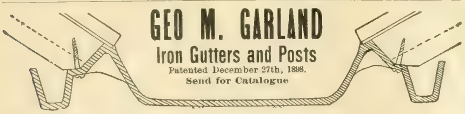

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CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

New Twin Section Boiler.
SEND 4c. FOR CATALOGUE.

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1365 to 1373 Flushing Ave., Brooklyn, N.Y.

We Furnish Everything for Building.

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PHILADELPHIA, PA., JERSEY CITY N. J.
LONG ISLAND CITY, N. Y.

Mention the Florists' Exchange when writing.

GLASS

For GREENHOUSES, GRAPERIES, ROSE HOUSES, HOT-BEDS, Etc.

FRENCH or AMERICAN.

BENT GLASS

VANHORNE, GRIFFEN & CO.,
443-449 Greenwich St.
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NEW YORK.

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HOT BED SASH

Now Ready.

DELIVERED PRICE anywhere on lots of one dozen or more. Guaranteed in every way.

THREE SIZES.

3 ft. x 6 ft.	- -	3 rows 10-inch glass	
3 ft. 3 in. x 6 ft.		4 "	8 "
4 ft. x 6 ft.	- -	5 "	8 "

Clear Cypress, 1¾ inch thick, without paint or glass.

Red Cedar Posts.

All Heart Cypress Lumber for Greenhouses.

WRITE FOR CIRCULARS, PLANS AND ESTIMATES.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.

Reading, Pa.

This city is keeping well up with the general advancement in horticulture, and during the past six years has spent considerable money in laying out and improving its park system. The principal work done has been at Penn Park, which is located at the upper end of the city at the foot of the mountain. Nature has made a good provision in placing this mountain as a background and working from this Charles Gindra, the superintendent, has done some grand work in planting choice evergreens, and laying out flowers gardens, also basins for tender water lilies.

The past Spring the bulb display was a grand one. The beds were planted chiefly with hyacinths and tulips. The planting showed much forethought and artistic taste, as the designs were all good and the colors well blended. Pansies are used here very extensively, and the pretty and useful flowers are planted in a way seldom seen. When sowing the seed all colors are kept separate, and the beds are all planted out in designs. The plants are put closer than is usually seen, and the effect produced is grand, proving that fine results can be obtained if good judgment be exercised. The hillsides back of the flower gardens are thickly planted with broom and gorse, and these, with their yellow flowers, produce a grand effect in the Spring.

There are three large greenhouses used for propagating and growing bedding plants, and ornamental foliage plants, which are all used in Summer around the park.

This city is fortunate in getting large returns for the amount of money expended, and the public shows much appreciation, as at the time of my visit there were lots of people admiring the flower beds and asking information—taking even more interest than is often seen in larger cities. DAVID RUST.

SHIRMANSTOWN, PA.—J. F. Rupp is having new benches installed and hail guards put in place over his six greenhouses.

THE STANDARD VENTILATING MACHINE

The STANDARD

The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE **Duplex Gutters**

Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

E. HIPPARD
YOUNGSTOWN, OHIO.

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Evans Improved Challenge

Roller bearing, self-oiling device automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.,
RICHMOND, IND.

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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

☞Our descriptive circular contains valuable information for every florist. Send for it.

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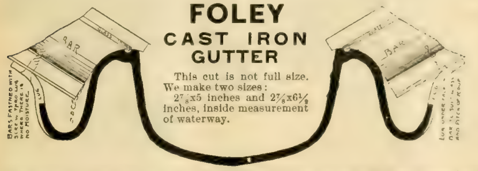
471 West 22d St., CHICAGO, ILLS.

GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.



FOLEY CAST IRON GUTTER

This cut is not full size. We make two sizes: $2\frac{7}{8}$x5 inches and $2\frac{7}{8}$x$6\frac{1}{8}$ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not punctured. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

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HORTICULTURAL ARCHITECTS AND BUILDERS. STEAM AND HOT WATER HEATING ENGINEERS

Greenhouses and Conservatories erected complete with Our Patent Iron Construction

Plans and estimates on application either for structures complete or for material cut ready for erection. Estimates for CYPRESS GREENHOUSE MATERIAL. We make special Greenhouse Putty. **Largest Builders of Greenhouse Structures.** Greenhouse Construction Catalogue, also Greenhouse Heating and Ventilating Catalogue mailed from our New York Office on receipt of five cents postage for each.

LORD & BURNHAM CO. NEW YORK OFFICE, St. James Bldg., Broadway and 26th Street. GENERAL OFFICE AND WORKS, Irvington-on-the-Hudson, N. Y

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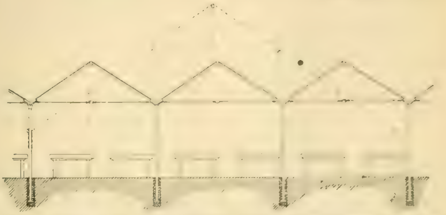

View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roo (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (PATENTED.)

Approved and Adopted by Leading Florists all over the Country.

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Such Cypress invariably is furnished by parties who have no knowledge of the peculiar requirements of greenhouse material.

We have made greenhouse construction a special study.

Our lumber is selected with the greatest of care, our material is guaranteed perfect and strictly up-to-date.

Write us, when next you want material.

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GREENHOUSE MATERIAL
111 to 115 BLACKHAWK ST. CHICAGO ILL.
SELLING AGENTS FOR
GARLAND IRON GUTTERS.

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New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

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Largest Stock in the Country

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Ready for delivery.

Price $3.50 carriage paid. Send for Sample pages.

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Special Trade List.

	In. pots	doz.	100
Anthericum variegatum	3	$0.75	$5.00
Abutilon Savitzii	2	.50	3.00
Cannas, Queen Charlotte, Florence Vaughan, Mme. Crozy, Egandale	3	.60	4.00
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Dracæna Indivisa	3	.75	5.00
Echeveria secunda glauca			4.00
Echeveria glauca, strong plants	4	1.00	
Golden Feather, $15.00 per 1000	2		2.00
Hope Vines	4	1.00	
Hydrangea, Thos. Hogg	2	.50	3.00
Ivy, English, hardy strong plants	4	1.50	10.00
Passiflora cœrulea	3	.75	5.00
Tropæolum, double dwarf	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
Violets, La France		.50	[illegible]
Forget-me-not (Palustris) in bloom		.50	3.00
Moonvines	2½	.50	3.00
Chrysanthemums, a full line of the best varieties	2½		2.00
Smilax, strong, 2½ inch			2.00

C. Eisele, 11th and Jefferson Streets, **Phila., Pa.**

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Standard Greenhouse Boilers

One cent gets our Catalogue.

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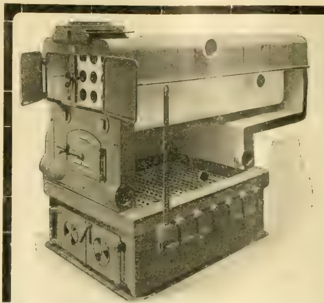

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PERFECT SASH OPERATING APPARATUS.

Send four cents for our illustrated Catalogue on Greenhouse Construction; also our Heating Catalogue.

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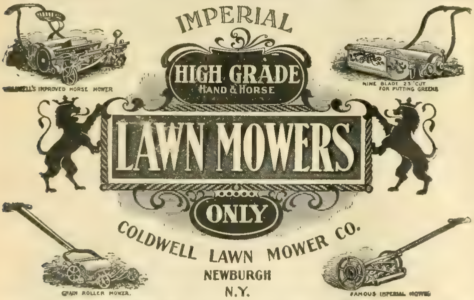
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NINE BLADE 25 CUT FOR PUTTING GREENS
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FAMOUS IMPERIAL MOWER

IMPERIAL
HIGH GRADE
HAND & HORSE
LAWN MOWERS
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Sectional and Round—Water and Steam

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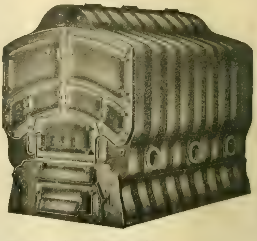

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Iron and Cypress Framed Greenhouses

Iron Frame Benches, Slate, Tile or Wood Tops

Greenhouse Material and Specialties

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Designers, Manufacturers and Builders of Horticultural Structures

West Side Avenue South, JERSEY CITY

The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS.

DILLER, CASKEY & CO.,

Successors to JENNINGS BROS.,

S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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AT AUCTION

Tuesday, June 23d

AT 11 O'CLOCK.

W. ELLIOTT & SONS

will sell at Public Auction at **54 DEY STREET,** two large consignments of Palms from such growers as C. Zeller's Son, D. Clarke's Sons and others.

CATALOGUES NOW READY.

W. J. ELLIOTT, Auctioneer.

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Supplement with this Issue

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XV. No. 26 NEW YORK, JUNE 27, 1903 One Dollar Per Year

CANNAS

Fine plants in pots, ready for immediate planting, extra choice sorts. Pierson's Premier, Sam Trelease, Luray, Queen Charlotte, Italia, Florence Vaughan, Robert Christie, F. Neuvessel Crimson Bedder, Alphonse Bouvier, Secretaire Chabanne, Improved Pillar of Fire, Pres. Max Michelli, Duke of Marlborough, Mlle. Berat, Mme. Crozy, etc., $6.00 per 100.

New, extra choice, mammoth-flowered. Pennsylvania scarlet, Kate Gray orange), Pandora a beautiful bronze-leaved Italian sort, $10.00 per 100.

Buttercup, new dwarf golden yellow Canna, extra choice, $12.00 per 100.

HYDRANGEAS, fine, large specimens in tubs and half-barrels, for lawn decoration. These plants will be in flower during July and August, and are just beginning to come into bud.

Fine plants in tubs that will throw about 15 blooms, $2.00 each.

Larger specimens in half-barrels that will throw 25 or more blooms, $5.00 each.

NEPHROLEPIS PIERSONI (The Pierson Fern). See special advertisement in this issue, page 720.

ASPIDISTRA VARIEGATA, fine plants, $1.50 each.

BAY TREES, Standards, with heads 3½ to 4 ft. in diameter, $15.00 to $20.00 each.

Standards, extra large and very fine specimens, $40.00 each.

CALADIUM ESCULENTUM, fine bulbs, 6 to 9 in. in circumference, $3.00 per 100.

DRACÆNA INDIVISA, extra fine stock and splendid value. Best plant for centers of vases, etc. Strong plants, 4 in. pots, 15 in. high, 12 cts. each; extra strong stock, 7 in. pots, 3 ft. high, $1.00 to $1.50 each.

DRACÆNA MASSANGEANA, 7 in. pots, finely colored, $1.50 each.

PANDANUS VEITCHII, 6 in. pots, finely colored, $1.00 each.

PANDANUS UTILIS, 6 in. pots, $1.00 each.

MUSA ENSETE (Abyssinian Banana), fine large specimens, $2.00 each.

RUBBER PLANT (Ficus Elastica). Fine for piazzas, hotel decoration, etc. Large, perfect leaves in best possible condition. 6 in. pots, 2 ft. high, 50 cts. each; 2½ ft. high, 75 cts. each; 3 ft. high, $1.00 each; extra large specimens, three plants in a pot, bushy, in perfect condition, with leaves right to the pot, 5 ft. high, $5.00 each.

KENTIAS, in fine shape, grown cool and very hardy, extra value, $1.00, $2.00, $3.00 and $4.00 ea.

LATANIAS, large sized plants, fine for decorating, $2.00, $3.00 and $4.00 each.

BOXWOOD, pyramidal and untrimmed, 3 ft. high, $2.00 each; 3½ to 4 ft. high, $3.00 each.

VINCAS, 3½ in. pots, $10.00 per 100; 2¼ in. pots, very strong stock, nice tops, $4.00 per 100.

ENGLISH IVY, 4 in. pots, extra heavy, 3 to 4 ft. long, $12.00 per 100; 2¼ in. pots, very nice, 12 to 18 in. long, $6.00 per 100.

DAHLIAS, a fine assortment of Cactus, decorative and show varieties, all named, $6.00 per 100.

ALYSSUM, Tom Thumb and Double, $3.00 per 100.

SHASTA DAISY, strong plants from frames, $8.00 per 100.

FUCHSIAS, fine assortment, named varieties, 2¼ in. pots, $3.00 per 100.

ABUTILON Savitzii, Duc de Malakoff Variegated and Eclipse, 2¼ in. pots, $4.00 per 100.

IVY-LEAVED GERANIUMS, extra strong, 4 in. pots, $8.00 per 100.

HARDY PHLOX, extra fine assortment, named varieties, $6.00 per 100.

TUBEROSES, $1.00 per 100.

MADEIRA VINE, $2.00 per 100.

LOBELIA Gracilis and Compacta, $3.00 per 100.

AMERICAN BEAUTY ROSES, strong plants, 2¼ in. pots, $7.50 per 100; $60.00 per 1000.

SMILAX, strong plants, 3½ in. pots, $6.00 per 100.

WICHURAIANA or EVERGREEN ROSES, fine named varieties, extra strong stock, 3½ in. pots, $12.00 per 100.

FERN BALLS, large size, in fine shape, $3.00 per doz.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Exceptionally Fine Rose Plants. Own Root Stock.

BRIDE and BRIDESMAID	2¼ Inch	$4.00 per 100 $35.00 per 1000
	4 Inch	$7.00 per 100 $60.00 per 1000

Now is the time to order before stock is all sold.

W. H. ELLIOTT, BRIGHTON, MASS.

KENTIA SEED NEW CROP

We have just received a shipment of Kentia Seed in splendid condition, having never imported a better lot. All large seeds, showing strong, healthy, plump germs.

KENTIA BELMOREANA, $3.50 PER 1000 SEEDS: **$12.00** PER CASE OF 4000 SEEDS.

KENTIA FORSTERIANA, 3.50 PER 1000 SEEDS: **15.00** PER CASE OF 6000 SEEDS.

PANSY SEED NEW CROP

Benary's Non Plus Ultra, the richest mixture ever sent out; per trade pkt. of 1500 seeds, **50c.**; per oz., **$8.00.**

American Grown, saved by leading specialists, blending all possible colors and varieties, large flowers; per trade pkt. of 1500 seeds, **35c.**; per oz., **$5.00.**

CINERARIA

Grandiflora, Giant Prize strain Dwarf " " " **Stellata**, fine for florists' window display	Per tr. pkt., **$1.00**; ½ tr. pkt., **60c.**

CHINESE PRIMROSE

Giant single, fringed, Snowball, Giant Pink, Royal Red, Royal Blue, or all varieties mixed, trade pkt., **$1.00**; ½ trade pkt., **60c.**

Primula Stellata (Star Primrose), white, pink or mixed, trade pkt., **$1.00**; ½ tr. pkt., **60c.**

Obconica Grandiflora, mammoth mixed, trade pkt., **$1.00**; ½ trade pkt., **60c.**

COLD STORAGE

LILIUM LONGIFLORUM

7-9 inch bulbs, 300 in a box, **$7.50** per 100; **$60.00** per 1000.

Cold Storage LILY OF THE VALLEY

$15.00 per 1000.

STARTED CANNAS

FROM FLATS, as previously advertised, **$3.00** per 100. **$25.00** per 1000.

DORMANT CANNAS, all Varieties

$12.50 per 1000.

Fern Balls

5 to 7 inches in diameter, in fine, fresh condition, $1.50 per dozen; $12.00 per 100.

CLUCAS & BODDINGTON CO.

812-814 Greenwich St., CORNER JANE STREET
TELEPHONE 4390 SPRING
New York City

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS

B. & A. SPECIALTIES

PALMS

We Have Many Thousands of KENTIAS, ARAUCARIAS, FICUS and BAY TREES.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock, and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch	No. of leaves	Height, ins.	Per doz.	Per 100	Per 1000
2½	3-4	8	$1 50	$12 00	$100 00
3	4-5	10-12	3 00	15 00	140 00
4	5-6	15-18	4 00	25 00	225 00
5	5-6	18-22	6 50	50 00	
5½	5-6	22-24	9 00	75 00	
			Each	Per doz.	
6	6	24-26	$1 00	$10 00	
6	6-7	26-28	1 25	15 00	
6	6-7	28-30	1 75	21 00	
7	6-7	30-33	2 50	25 00	
7	6-7	33-36	3 00	36 00	
7	7-8	36-40	4 00	48 00	
8	7-8	40-45	5 00	60 00	
8	7-8	45-50	6 50	75 00	
8	7-8	50-55	7 50	85 00	
9	7-9	55-60	10 00	115 00	
10	7-9	60-65	12 50	145 00	
12 tubs		65-70	15 00		

12 Made-up plants, 65-70, $17.50 each.
14 " " 7-8 feet, $25.00 to $35.00 each.

KENTIA FORSTERIANA.

Inch.	No. of leaves	Height	Per doz.	Per 100	Per 1000
3	3-4	12 in.	$2 00	$15 00	$140 00
4	4-5	15	4 00	25 00	225 00
5	5	15-18	6 00	50 00	
5½	5	18-20	7 50	60 00	
6	5	20-24	9 00	75 00	

Inch	No. of leaves	Height	Each	Per doz.
6	5-6	24-28	$1 00	$10 00
6	5-6	28-30	1 25	12 00
6	6	30-32	1 50	15 00
6	6-7	32-36	2 00	20 00
7	6-7	36-42	3 00	30 00
8	6-7	48-52	4 00	50 00
9	6-7	52-60	5 60	
9	6-7	60-65	7 50	
10	6-7	65-75	12 50	
12 tubs	7-8	7-8 ft.	18 00	

12 " made up 7-9, $20.00 to $30.00 each.

1500
BAY TREES
IN ALL SIZES.
ASK FOR PRICES.

PHŒNIX CANARIENSIS, We have a very fine lot of these, fine for decorating or retail sales, from $5.00 to $20.00 each.

ARAUCARIA EXCELSA.	Each
5 in. pots, 10-12 ins. high	$0 75
5 " " 12-14 " "	1 00
6 " " 14-16 " "	1 25

ARAUCARIA EXCELSA GLAUCA.	Each
6 in. pots, 10 ins. high	$0 75
Specimen plants	$2.00 to $3.00

HYDRANGEA Otaksa and Thomas Hogg. Very fine decorative plants, 14 in. tubs, $2.50 and $3.50 each.

FUNKIA VARIEGATA, in pots, $5.00 per 100; $40.00 per 1000.

AMPELOPSIS VEITCHII, $10.00 per 100

SPECIMEN ENGLISH IVY, 6-7 ft., $1.00 each.

BOXWOOD, in Standards, Pyramids, Globe and Clipped forms; all sizes. Ask for Prices.

GARDENIA VEITCHII, 6 in. pots, per doz., $6.00; 7 in. pots, per doz., $12.00.

FALL BULBS

DUTCH, FRENCH and JAPANESE. All Kinds.

We are pleased at all times to receive visitors at our Nurseries. We have 75 acres planted with the most interesting stock in the country. Ask for Fall Bulb Catalogue Now Ready.

BOBBINK & ATKINS, - Rutherford, N. J.

St. Davids Island

HARRISII

Only Lilies Free From Disease.

Will be ready for delivery in July. Let us quote you on your wants.

W. ELLIOTT & SONS, New York

MUSHROOM SPAWN

First Quality

Strictly Fresh

LOWEST PRICES.

WRITE FOR SPECIAL QUOTATIONS

JAMES VICK'S SONS

ROCHESTER, NEW YORK

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BURPEE'S SEEDS

PHILADELPHIA.

Blue List of Wholesale Prices mailed only to those who plant for profit : : : : : : : :

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KENTIA SEEDS

Belmoreana, Forsteriana.

Fresh Seed. Direct Importation.

$3.50 per 1000, $30.00 per 10,000.

Jackson & Perkins Co.

NEWARK, NEW YORK.

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Our Motto: QUALITY FIRST. We have, however, a sufficient quantity to supply all demands.

Send for Catalogue.

ARTHUR COWEE, "MEADOWVALE FARM," Long Distance 'Phone **9x.** **BERLIN, N. Y.**

United States Grower and Representative of Groff's Hybrids.

RUPP XXX SEEDS.

Primrose Seed, **Improved Chinese** Finest grown, large flowering fringed, single and double, fifteen varieties mixed, 500 seeds, $1.00; half pkt., 50 cts. Have also the varieties separate.

PANSY FINEST GIANTS

The best large flowering varieties, critically selected. Mixed, 5000 seeds, $1.00; half pkt., 50 cts.; highly praised by our many florist customers.

DAISY. Finest Double Giant, pure white and rose, mixed or separate, 1000 seeds, 25c.

CALCEOLARIA. Finest dwarf large flowering tigered and spotted, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. Finest large flowering to be had. 1000 seeds, 50c.

CINERARIA. Finest large flowering dwarf, mixed, 1000 seeds, 50 cts.

Cash. A pkt. of the new ever-blooming Forget-me-not "Constance" added to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

BAY TREES

Standard, extra fine, 2 ft. diam., $10.00 per pair.
Pyramid, " " 5 " high, 10.00 per pair.

LATANIA BORBONICA,	extra heavy, 5 ft. high	$3.00 each.
" "	fine large, 3 " "	1.25 "
PHŒNIX CANARIENSIS,	extra heavy, 5 " "	3.00 "
" "	fine large, 3 " "	1.75 "
KENTIA FORSTERIANA,	extra fine, 5½-6 ft. high	2.75 "
" "	fine large, 5 ft. high	2.00 "

CYCAS REVOLUTA STEMS, from ½ lb. to 6 lbs., per 100 lbs., $7.50.
FERNBALLS, dormant, 7x9, $22.50.

F. W. O. SCHMITZ, Prince Bay, N.Y.

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CYCAS STEMS

SIZES
2 to 3 lbs.
4 to 5 lbs.
6 to 7 lbs.

Price per 10 lbs., $1.00
" " 50 lbs., 4.00
" " 100 lbs., 7.50
" " 1000 lbs., 65.00

STUMPP & WALTER CO., **50 BARCLAY ST. NEW YORK.**

BRANCH STORE, 404 EAST 34TH ST.

PANSY SEED

THE JENNINGS STRAIN

New Crop Seed Now Ready.

Saved from finest stock. Finest mixed, 1oz., $5.00; pkt. of 3000 seeds, $1.00; ½ pkt., 50 cts. Separate colors in blue, black, red, white and yellow, 50 cts. per pkt.

Cash with order.

E. B. JENNINGS, Southport, Conn.

Lock box 254. Grower of the Finest Pansies.

Mention the Florists' Exchange when writing.

Established 1802.

Thorburn's Seeds

For over a hundred years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii
and
Lilium Longiflorum
and all other bulbs. Also
Cycas Revoluta Stems.

J. M. THORBURN & CO.

36 Cortlandt St. New York

Mention the Florists' Exchange when writing.

GUERNSEY BULBS

as grown by **HUBERT & CO. Ltd.,** the largest Bulb and Plant Growers in the Channel Islands, are **THE BEST, WELL MATURED, SOUND, RIPENED, EARLY** be sure to try them. Price lists quoting free delivery at New York, free on application to our representative, **NICHOLAS LE PAGE, 46 South 12th Avenue, MOUNT VERNON. N. Y.**

Mention the Florists' Exchange when writing.

Fresh Smilax Seed in June

Smilax Roots at all Seasons.

	100	1000
Strong Roots, ¾ in. diam.,	$1 00	$8 00
1 to 1 1-2 in. diam. . . .	2 25	20 00
Extra size, 2 to 2½ in. diam.	3 50	

Delivered at prices given. Send for Trade List.

THEODOSIA B. SHEPHERD CO.

VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

Giant Flowering

ANTIRRHINUM

SOW NOW

For Winter Blooming

	Tr. Pkt.	Oz.
Giant White	**20c.**	**60c.**
" Yellow	**20c.**	**60c.**
" Firefly	**20c.**	**60c.**

D. LANDRETH & SONS

Florists' Department,

1217 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

"WOULDN'T THAT FREESIA."

But Xmas is Coming, get in line,
Plant now and have ready in time.

BULBS NOW READY

The purest strain of

White-flowered FREESIA

In existence. Very free blooming. We control entire stock.

	Per 100	Per 1000
CHOICE	$0.85	$7.50

ALSO

OXALIS BUTTERCUP.

	Per 100	Per 1000
MAMMOTH	$1.00	$9.00
STRONG	.85	7.50

Samples mailed if desired.

LILIUM HARRISII.

Indispensable for Early Forcing.

Our own growers pack all our Burmuda Bulbs. Careful attention to the growing crop, weeding out diseased plants, proper grading of the bulbs when dug, business-like packing and handling, all go to make success with Harrisii. We invite your orders under these conditions. Our bulbs will pay you. Write for prices before closing any forcing stock orders.

84 & 86 Randolph St., CHICAGO. **VAUGHAN'S SEED STORE** 14 Barclay Street, NEW YORK.

Mention the Florists' Exchange when writing.

SOW JOHNSON & STOKES'

Kingly Collection Pansy

Unquestionably the Finest Strain of Giant Pansy now offered to the trade. 1000 seeds, 30c., 2000 seeds, 50c., 5000 seeds, $1.00, per oz. $5.00.

DOUBLE PEARL TUBEROSES, EXCEPTIONAL VALUE.

	Per 100	Per 1000	Regular Price.
MAMMOTH BULBS, in splendid condition, 4 to 6 inches and over	$0 60	$1.50	$7 00
SECOND SIZE 3 to 4 inches and over, 5000 for $10.00	25	2.25	4.00

JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, Pa.

Mention the Florists' Exchange when writing.

SPECIAL CLEARANCE OFFER, THIS SEASON'S IMPORT OF

JAPAN BAMBOO CANE STAKES,

Indispensable for staking of **Lilies, Roses, Chrysanthemums, Dahlias** Etc,

Bundles, 6 ft.	1000	$ 5.50	Bundles, 6 ft.	4000	$19 00
" "	2000	10.00	" "	5000	22 00
" "	3000	14.75	" "	10000	37.50

FREESIA REFRACTA ALBA. BEST WHITE FLOWERING STRAIN.

	100	1000		100	1000
¼x⅜	40c.	$3.00	½x¾	75c	$ 6.50
⅜x½	50c.	4.00	¾ to Monster	$1.25	10 00

SEASONABLE SEEDS.

	100	1000
Asparagus Sprengeri	.20	$1.00
" **decumbens** (novelty)	.85	7.50
Phœnix reclinata (true)	.40	3 00
" **canariensis** (true)	.30	2.50
Areca Lutescens	.75	6.00
Pandanus utilis	.65	6.00
Primula sinensis fimb., in pure white, rose, crimson, blue, white with yellow eye	.25	1.75
Primula mixed	.20	1.50

Cineraria hybrida grandiflora, maxima or dwarf. Pkt 25 cts; 5 pkts., $1.00.

Calceolaria, finest tigered and spotted, large flowers, 500 seeds, 25 cts.

H. H. BERGER & CO., 47 Barclay Street, New York.

Send for our new catalogue—ready July 6th.

Mention the Florists' Exchange when writing.

NARCISSUS AND DAFFODILS

For Forcing.

We have over 40 acres devoted entirely to the culture of these beautiful harbingers of Spring. (Trade only).

Before placing your orders write to

W. MAUGER & SONS, Guernsey, England

Mention the Florists' Exchange when writing.

PANSY, MME. PERRET

the Gold Medal pansy; Trimardeau, giant yellow and fine mixed, Mlle. Cecile Davy and Marguerite, Parisian, Beaconsfield, Falaise. Special mixture for florists. See the EXCHANGE, page 581, issue of May 30. Send for testimonials and prices.

SPECIAL. For short time only. Any one ordering a copy of Ward's "The American Carnation," at $3.50, through me, will receive ¼ oz. of Mme. Perret Pansy Seed (value $1.25) free.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

Japanese Fern Balls

5-inch and 7 to 9-inch Sizes.

Write for prices on quantities.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

Mention the Florists' Exchange when writing.

ZIRNGIEBEL

Giant Pansies

OF MARKET AND FANCY STRAINS

Are the finest grade this season, that we ever sent out, when large size and colors are required, As growers, and knowing every strain of note in cultivation, we can recommend our Pansies as unequalled. New Crop Seed ready now, in trade packages, either strain, at **$1.00 each.**

DENYS ZIRNGIEBEL

Needham, Mass.

Mention the Florists' Exchange when writing.

LILIUM HARRISII and LONGIFLORUM

Quality second to none. We are booking orders now for August delivery. Send for prices, stating number and size required.

W. W. RAWSON & CO., Seedsmen, Boston, Mass.

12 and 13 Faneuil Hall Square.

Mention the Florists' Exchange when writing.

5000 Whole Dahlia Roots

Best mixture of named Cactus and Show varieties, all colors, $2.00 per 100; $15.00 per 1000. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

Primrose

CHINESE FRINGED

	Trade pkt.
Kermesina Splendens	50 cts.
White, Yellow Eye	50 cts.
Bright Pink	50 cts.
Brilliant Red	50 cts.
Rosy Morn	50 cts.
Blue	50 cts.
Flesh Color	50 cts.
Mixture of Above	50 cts.
Fern Leaved Mixed	50 cts.
Obconica Grandiflora, white	50 cts.
" " rosy chamoise	50 cts.
" " bright rose	50 cts.
" " fringed mixed	50 cts.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Callas—Freesias

Ready for delivery during July and August. Will book your order now at the following prices:

CALLAS

1 to 1½ in. in diameter at $3.00 per 100.
1½ to 2 " " 5.50 "
2 to 2½ " " 7.50 "

FREESIAS

⅜ in. in diameter at $3.00 per 1000.
½ " " 4.25 "
⅝ " " 7.50 "

PACKING FREE. We also offer the following

PALM SEEDS

Phœnix Canariensis at $1.00 per 1000.
Phœnix Reclinata at $4.00 per 1000.
Washingtonia Filifera at 75c. per pound (in hull).
Washingtonia Robusta at $1.00 per pound (in hull).

Cash with order from unknown parties,

GERMAIN SEED & PLANT CO.,

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

CUCUMBER SEED
TURNIP SEED
HARRISII LILIES
DUTCH BULBS

Special Prices on Application

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing

CANNAS

Cannas and Geraniums
$6.00 per 100.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

Michell's Exhibition Pansies.

The finest strain of Exhibition Pansy Seed ever offered	50c. Tr. pkt.	75c. ¼Oz	$5 00 Oz.	
Cineraria Michell's Prize Dwarf	60c.	½ Tr Pkt.	$1.00	Tr. Pkt.
" " " Tall	60c	"	1.00	"
Primula Sinensis, Fringed	60c.	"	1.00	"
Separate Colors, Red, White, Blue	60c.	"	1.00	"
" " Prize Strains, mixed	60c	"	1.00	"
Calceolaria Grand, grand mixture	60c.	"	1.00	"

HENRY F. MICHELL, GROWERS and IMPORTERS. **1018 Market St., Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

SEED TRADE REPORT

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

AMERICAN SEED TRADE ASSOCIATION

Walter P. Stokes, Philadelphia, President; C. N. Page, Des Moines, Iowa, Vice-President; C. S. Burge, Toledo, Ohio, Second Vice-President; S. F. Willard, Wethersfield, Conn., Secretary and Treasurer; A. N. Clark, Milford, Conn., Assistant Secretary.

WINCHESTER, KY.—The grain and seed warehouse of D. S. Gay was burned June 14. Loss, $100,000; insurance, $75,000.

ST. PAUL.—A brisk trade in millet and occasional calls for corn have been the features of the trade the past week. A local house shipped two carloads of seed potatoes to Texas a few days since.

L. L. May and family have moved to Mayfield farms for the Summer. Owing to the illness of Mrs. May he was prevented from attending the convention at Atlantic City. VERITAS.

DUNKIRK, N. Y.—The second annual outing and banquet of the Lake Shore Seed Co.'s travelers was held at the Oakdale Hotel, Point Gratiot, on Saturday, June 13. Through the inclemency of the weather the parlors of the hotel were used instead of the green lawn. Singing, dancing, cards, etc., were indulged in and specialties were given by D. Morey, of Brocton, imitations of steam piano; Ed. Obertriefter, of Fredonia, Dutch songs; D. Ferguson, of Stockton, fancy step dancing; Hy. Weekes accompanied on piano. Refreshments were served during the afternoon. At 8 o'clock the dining room was opened and all sat down to a well-supplied table.

The following were present, who represent the company in over half the United States: R. W. Wright, F. Kauffman, T. T. Light, H. Weekes, A. Delahoy, R. Ayers, C. A. Snow, C. N. Wilcox, E. Card, J. Murray, D. Ferguson, C. Kauffman, D. Morey, Ed. Obertriefter, Ed. Miller. Letters of regret were received from several who, through other duties, could not be present. After dinner, R. W. Wright gave a brief talk on his recent 6,000 miles Western trip. Thanks were given to A. Delahoy for his capable management of such an enjoyable day.

The seed plantations around San Jose, Cal., are said to receive $3,000,000 a year from the sale of seed. The first experiment of the planters in this line were made less than half a dozen years ago. One onion patch now covers 3,000 acres, with furrows almost two miles long. A single plot of sweet peas occupies 800 acres, a bed of asters 210 acres, a lettuce bed 2,100 acres. There are within a radius of eighty miles around San Jose 14,500 acres devoted to raising plants and flowers for their seed alone.—New York Times.

European Notes.

During the past few days the much-needed rain has fallen, and although very partial in its visitations, the districts affected have benefited considerably. What we need now is sunshine to develop the seed-bearing properties of our plants. It is a far cry yet to harvest time, and, so far as we can now judge, it will be quite as late as last year. The whole of Europe is affected in the same way; if there is any difference the south is the most backward.

The reviving interest in Spring flowers has given an impetus to cultivators of some of the most popular perennials and biennials. As a result, we have the beautiful strains of papavers, pyrethrums, aquilegias, gaillardias, and delphiniums which have lately graced the tables at our Spring exhibitions. Of the five items named the greatest advance appears to be in connection with aquilegias, and those who were fortunate enough to see the magnificent display of the long-spurred hybrids from Cannell and Dobbie at the last meeting of the Royal Horticultural Society were both astonished and delighted at the size of the individual flowers, and the great variety of colors. These plants are so easily grown that no garden need be without them.

EUROPEAN SEEDS.

Pansy Seed. World's Fair Mixture. NEW CROP Ready July 1.

SHELLROAD GREENHOUSE SEED CO.,
Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing.

PANSY SEED New crop now ready of my own saving large flowering, every conceivable shade, color and marking. Pkt., 25c.; ¼ oz., $1.00; oz. $3.00. Also at wholesale. Mr. B. O'Neil, Florist, Elgin, Ill., writes: "The best mixture of Pansies I ever had."

FRANCIS BRILL, Hempstead, L. I., N. Y.

Mention the Florists' Exchange when writing.

CALLA BULBS

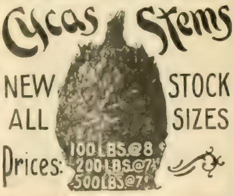
August 1st delivery.

Extra choice large bulbs, $5.00 per 100. Express paid by us at above figures.

CALIFORNIA CARNATION CO.

P. O. Box 103. LOOMIS, CAL.

Mention the Florists' Exchange when writing.



VAUGHAN'S SEED STORE,

14 BARCLAY ST., NEW YORK 84-86 RANDOLPH ST., CHICAGO

Mention the Florists' Exchange when writing.

400,000 California Privet and more than 400 Varieties of HARDY ORNAMENTAL STOCK.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.

Wholesale Growers **TREES AND PLANTS** in full assortment Trade Catalogue Free.

Mention the Florists' Exchange when writing.

EVERGREEN

An ***Immense Stock*** of both large and small sized ***EVERGREEN TREES*** in great variety; also ***EVERGREEN SHRUBS.***

Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

We offer at wholesale a full line of

Fruit and Ornamental Trees, Shrubs, Roses, Small Fruits and Evergreens.

Write us for close prices on anything wanted in the line of Nursery Stock.

Brown Brothers Company

Continental Nurseries, **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave.,

JERSEY CITY, N. J.

JUST RECEIVED FROM OUR HOLLAND NURSERIES:

Rhododendrons, Azaleas,
Spiræa Japonica, Lilium Speciosum,
Peonies, Bleeding Heart,
Pot-Grown Lilacs, Hydrangea in Sorts.
Clematis and H. P. Roses, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

SEEDLINGS

Ampelopsis Veitchii, field-grown, $3.00 per 100; $20.00 per 1000.
Wistaria, Chinese, blue, 1 yr. $2.00 per 100: $15.00 per 1000; 2 yrs. $4.00 per 100; $25.00 per 1000.
Azalea Amœna, rooted cuttings, $2.00 per 100; $15.00 per 1000; 1 yr., $10.00 per 100; $75.00 per 1000; larger plants, $35.00, $50.00 and $75.00 per 100.
Yucca Filamentosa, 1 yr., $1.00 per 100; $6.00 per 1000; 2 yrs., $1.50 per 100: $12.00 per 1000.
Berberis Thunbergii, Exochorda, Halesia, Altheas, Deutzias, Amorpha, $2.00 per 100; $15.00 per 1000.
Iris Kæmpferi, named sorts, strong pieces, $5.00 per 100; $35.00 per 1000.
Iris Seedlings, 2 yrs., $2.00 per 100; $15.00 per 1000.

Send for complete list of Trees, Shrubs and Evergreens.

SAMUEL C. MOON, Morrisville, Pa.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET. This is your chance to plant them. 2 to 3 ft., **bushy**, $35.00 per 1000; $4.00 per 100. 2-yr., 2 to 3 ft., $30.00 per 1000, 2-yr., 2 to 3 ft., cut back, $23.00 per 1000; 2-yr., 1½ to 2 ft., $19.00. F. O. B. Cash with order. Packing Free.

ATLANTIC COAST NURSERIES,
Office 606 4th Ave., Asbury Park, N. J.

Mention the Florists' Exchange when writing.

CELERY PLANTS

FOR EVERYBODY

Twice transplanted, stocky plants. Far superior to those usually sold. Ready from July 5th.

VARIETIES

Golden Self Blanching, Gilt Edge, White Plume, Improved, Giant Pascal, Fin de Siecle, Schumacher, Perfection, Heartwell.

Per 1000, $2.50: 500, $1.25: 250, 75c.
In Lots of 5000 and over, $2.00 per 1000
Cash With Order.

W. B. DU RIE, Rahway, N.J.

Mention the Florists' Exchange when writing.

Sweet Potato Plants

To close out, I offer the following varieties at $1.00 per 1000, all strong, healthy plants, free from disease and true to name: Big Stem Jersey, Yellow Nansemond, Red Nansemond, Red Bermuda, and Southern Queen.

All orders will be shipped promptly. No orders accepted for less than $1.00.

H. AUSTIN, Felton, Del.

Mention the Florists' Exchange when writing.

TREE SEEDS

Our new descriptive **CATALOGUE OF SEEDS** of American Conifers, Trees, Shrubs, Palms, Cacti, Herbaceous Plants, etc., has been mailed to the trade. A postal will bring it to you.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

And Other

Bulbous Stock

The Jessamine Gardens, JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

THE

LARGEST STOCK

OF SPECIMEN

HEMLOCK AND BOX-BUSH

OUR OWN GROWING. THEY LIFT WITH GOOD BALLS. CAN BE MOVED NOW. FOR PRICES STATE SIZE AND QUANTITY DESIRED.

ANDORRA NURSERIES, Chestnut Hill, Phila., Pa.

WM. WARNER HARPER, Prop.

Mention the Florists' Exchange when writing.

W. & T. SMITH CO. GENEVA NEW YORK

Field Grown ROSES and CLEMATIS, ORNAMENTAL TREES SHRUBS and VINES. **FRUIT TREES.**

Wholesale Trade Catalogue on application.

Nursery Department

AMERICAN ASSOCIATION OF NURSERYMEN

Charles A. Ilgenfritz, Monroe, Mich., President. D. S. Lake, Shenandoah, Ia., Vice-President. George C. Seager, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer.

AMERICAN PARK AND OUTDOOR ART ASSOCIATION.—The seventh annual meeting of this association occurs at Buffalo, N. Y., on July 7, 8, and 9. A very interesting and comprehensive program has been prepared, and the delegates will be delightfully entertained during their stay in the Bison City. Professor J. F. Cowell, Director of the Buffalo Botanic Garden, will speak on "Some Features of the Buffalo Park System"; Professor Bailey on "The Forward Movement in Outdoor Art." Mrs. Frances Copley Seavey will deliver an address on "The Possibilities of the Home Grounds." The "Landscape Features and Problems at Niagara" will be discussed. Professor Spillman, of Washington, will talk on the "Significance of the School Garden Movement"; and there will be an exhibition by stereopticon of school garden achievements.

The subject of "Outdoor Life in Cities" will be treated by Volney Rogers, of Youngstown, O.

The headquarters of the convention will be at the Lenox Hotel, North street and Delaware avenue, in the coolest and most beautiful residential part of Buffalo. There will also be an exhibit of photographs and plans of landscape work, including the work of the branches of the Women's Auxiliary. Charles Mulford Robinson, of Rochester, N. Y., is secretary of the association.

The convention of the American League for Civic Improvement will open in Chautauqua, three days after the close of the meeting of the foregoing association.

President Hale, American Association of Nurserymen.

Nathan Wesley Hale, president-elect of the American Association of Nurserymen, is still a young man. He was born in Scott County, Va., February 11, 1860, and comes of Revolutionary stock. His father served in the Union Army during the civil war.

Mr. Hale's school education was limited, consisting of eighteen months' training. In 1882-83 he sold goods in his home county, taught school there in 1884, and saved some money which was swallowed up in a patent right. Mr. Hale left Virginia in 1885 and went to Knox County, Tennessee, where he engaged in the selling of nursery stock for Messrs. Bird & Dew, of the Knoxville Nursery. His faithful attention to his duties and his capabilities quickly advanced him, and he was soon offered (and accepted) an interest in the business. He has risen to the presidency and management of the Knoxville Nursery, owning one-half of it. He is also president of the Southern Nursery at Winchester.

Mr. Hale was elected to the lower house in the Tennessee Legislature in 1890, and in 1892 to the Senate. In 1894 many counties in Tennessee instructed their delegates to vote for Mr. Hale for Governor, but he did not attend the convention, and since then has been devoting all his time to business. However, he is a candidate for the Republican nomination for Congress next Fall, and came near being nominated a year and a half ago over the present incumbent in that office.

He represents the company in the wholesale drygoods and notion house of Brown, Payne, Deaver & Co., Knoxville, and has other business interests.

Mr. Hale married the daughter of a prominent lawyer in Kentucky; they have two boys and two girls at their home in the suburbs of Knoxville.

The president-elect is a ready speaker, and his counsel is sought in the deliberations of the national body. He has demonstrated the possibilities before every young man possessed of the necessary grit and energy.

Naming of Azalea Mollis.

Editor Florists' Exchange:

A few weeks ago I observed the mistake Mr. Meehan made in saying that the time would come when the various shades of Azalea mollis would be kept distinct, as is now done with the Ghent azaleas. Named Azalea mollis have been grown by our firm as long as I remember, and the list is increasing every year.

Now that Mr. Koster corrects our esteemed friend Mr. Meehan in the last issue of The Florists' Exchange, the latter kicks again and says that he does not care a cent about the name; it is the color that is wanted; and advises those interested to put the colors on the labels instead of the names, or in addition to the names.

Mr. Meehan cannot be in earnest in

THE BLUE HILL NURSERIES

South Braintree, Mass.

ALPINE, HERBACEOUS

AND OTHER HARDY PLANTS.

Field-grown only. Send for Catalogue.

Mention the Florists' Exchange when writing.

When in Europe come and see us and inspect our extensive Nurseries. **Gouda** is our railroad depot.

Hardy, Fancy Ornamental Nursery Stock

J. BLAAUW & CO.

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces—purest, bluest strain

Mention the Florists' Exchange when writing

Holland Nursery Stock

Ask for Our Catalogue.
It Will Interest You.

ENDTZ, VAN NES & CO.,

BOSKOOP, HOLLAND.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep Head, Early All Head, Late Flat Dutch, Savoy, Rich Red and other vars., 25c. per 100; $1.00 per 1000.

ENDIVE $1.00 per 1000. $8.50 per 10,000.

TOMATOES Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other vars., 15c. per 100; $1.25 per 1000. Earliana and Ponderosa, 30c. per 100; $2.00 per 1000.

PARSLEY 40c. per 100.

CELERY Golden Self Blanching, Golden Heart, and other vars., $1.00 per 1000.

EGG PLANTS N. Y. Improved, 25c. per 100; $2.00 per 1000.

PEPPER Ruby King, Sweet Mountain and Bull Nose, 25c. per 100; $2.00 per 1000.

If wanted by mail add 10c. per 100.

Send for price list. See our Flower Plant Ad. in this issue. CASH WITH ORDER.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Fine plants, ready to plant out, $1.00 per 1000; 5000 for $4.00.

J. C. SCHMIDT, Bristol. Pa.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries **BOSKOOP, HOLLAND**

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies.

Pot-Grown Plants for Forcing.

Rhododendrons, H. P. Roses, Etc.

No Agents Catalogue free on demand. **No Agents**

Mention the Florists' Exchange when writing.

seeking to discard the names and put an indefinite color on the label. I think it is sufficient to name the plants as we do the Ghent azaleas, rhododendrons, roses, apples, pears, and everything else in our trade, and the retailer who knows his business will be thus better able to obtain just what he wants.

For those who are little acquainted with this important class of plants, it will perhaps be worth while to note that we have, since 1888, distributed to the trade our wholesale catalogue in which a list of named Azalea mollis with a short description of the colors is to be found. It may be to their advantage to print a list of the varieties in our last catalogue, of which I send you a copy; and if that is insufficient, I have in my possession a little book, printed in 1896 and distributed by the society, Plantenbeurs in Boskoop, Holland, which gives, in addition to a long list of names, a practical description of Azaleas mollis, pontica, rustica flore-pleno, mollis × chinensis, and rhododendrons, which is at your disposal.

P. OUWERKERK.

Jersey City, N. J.

[We thank Mr. Ouwerkerk for the foregoing information, and would suggest that parties interested apply to him for a copy of his firm's catalogue, which will no doubt be cheerfully sent. Ed.]

Ants on Lawns.

Gardeners are oftened troubled with ants among their plants and on their lawns. When undisturbed, the insects remain in one place on a lawn for years, adding to the height of the mound of earth yearly. A correspondent of the Practical Farmer has this to say:

"To Destroy Ants. Make holes with a crowbar or convenient stick, from six inches to one foot deep and about 15 inches apart, over the ground infested by the ants, and into each pour two or three spoonfuls of bisulphide of carbon, tramping the dirt into the hole as soon as the liquid is poured into it. The bisulphide of carbon at once vaporizes, and, permeating the ground, destroys the ants, but does not injure the grass or any living plant. One should remember while using this substance that it is highly inflammable and should not bring near it a flame, or lighted pipe or cigar."

On the Pacific coast the bisulphide is used for the killing of destructive animals, the homes of which are in the ground.

Syringa Japonica.

Your correspondent from St. Paul refers to the Syringa japonica and its value as a late blooming shrub, flowering with him, as he says, the latter part of June. With us it is in bloom in the early part of June. It is, as he says, highly ornamental, and for the colder States, where hardy shrubs are not numerous, it is much more in demand than it is with us, where so many other shrubs are available.

To those who obtain this shrub, or small tree, without knowing what it is, it is sometimes disappointing, as it is not a true lilac, as lilacs are generally known. It really partakes more of the privet than of the lilac; and the odor of the flowers is that of those of the privet and not of the lilac. Not everyone likes the odor of the privet flowers. Some years ago, when the weeping form of this lilac was sent out there was general complaint when it was found that it was not the old common lilac, as purchasers had been led to expect. The botanical relationship of the privet and the lilac is very close, both being in the same natural order, oleaceæa. The shrub under discussion, Syringa japonica, was formerly classed in a distinct genus, and was known as Ligustrina amurensis. It would be better for the horticulturalist were it still separate from syringa.

The Growth of Japanese Ivy.

The question was asked me recently why it is that when the Japanese ivy is planted to a wall, it usually starts to grow by pushing toward the left. Though having witnessed cases of the kind, it was put down to a seeking of the most light by the vine, but should it not be this, it must be that it is natural for it to twine from left to right, and in pushing to the left it is following natural law. All vines have a law to follow in the way they turn, some turning to the left and some to the right, and it is useless to attempt to change their course if best results are looked for. Set the young shoot in a contrary way to that which it has been taking, and it will try its best to get free from it and back to the original one. It will be interesting to hear of other cases of the course of the Japanese ivy, to see if it is a left to right grower.

Summer Care of Rhododendrons.

As rhododendrons come to us from Europe, they carry a ball of black soil in which they have been grown, and in which the fine roots have ramified in all directions, binding the mass together securely. When planted out here, unless the soil in which they are placed is securely packed around the ball, roots do not take hold of it, in which case the only moisture and nourishment the plants get are what is in the ball spoken of. That this is so is often witnessed in the case of rhododendrons, even those planted for some time. The surrounding soil may be fairly moist, and yet from its not having been of a fine nature and not packed firmly about the ball, the plant would be found dying for lack of water. Soil in which there is some sand is good for placing around newly set rhododendrons. It packs close to the plants, which is what is required, yet often not attained.

Beds should be watched in Summer, and mulched if possible, that the plants get the moisture they need, which is a good deal.

JOSEPH MEEHAN.

CHARLES H. VICK.
Supt. of Floriculture and Horticulture for New York State at World's Fair, St. Louis.

Charles H. Vick.

Charles H. Vick, of James Vick's Sons, Rochester, N. Y., has been appointed Superintendent of Floriculture and Horticulture to represent the State of New York at the St. Louis Exposition, and has established his office at No. 16 Elwood Building, Rochester, N. Y. There is to be an especially fine display of fruits in the State's exhibit, the finest specimens being shown from May until the close of the Exposition. The grounds around the State building are to be laid out in sections and planted with hardy shrubs by leading nurserymen of the State. Special arrangements are to be made also for the accommodation of New York State florists who wish to make a display under the State authority.

Mr. Vick has not yet completed all his arrangements for the floral exhibit, but will have done so in a couple of weeks, when a further announcement will be made in The Florists' Exchange. He will ask the leading florists of the State to co-operate to the extent of making the Empire State grounds surpass all others, and is taking a personal pride in making the arrangements on a broad and liberal plan, so that there shall be nothing at the Exposition to approach his department.

W.

American Seed Trade Association

TWENTY-FIRST ANNUAL MEETING
AT
Atlantic City, N. J., June 23-25, 1903

The twenty-first annual convention of the American Seed Trade Association was held at Atlantic City, N. J., June 23 to 25. The convention was one of the largest as well as the most enthusiastic ever held by the association. Over 150 were in attendance.

Independent of the business, as outlined in the programme given in our last week's issue, not much was done, with the exception of a discussion of the work of the Department of Agriculture. A strong effort is now making by the Wholesale Seedsmen League, in conjunction with the American Seed Trade Association, to bring this matter before the courts; and it is likely that action in this direction will be taken soon.

On the evening of June 24 a dinner was tendered the association by the Philadelphia seedsmen in the St. Charles Hotel, over 200 being present. The occasion was such an enjoyable one, that the small hours of the morning had arrived before the company dispersed.

Regarding the next place of meeting, a strong invitation was tendered by the city of Atlanta, Ga., as well as the president of its Board of Trade, who promised the association a most hearty welcome. St. Louis, however, got the convention.

The officers elected were: President, S. F. Willard, Wethersfield, Conn.; vice-president, J. C. McCullough, Cincinnati, Ohio; secretary-treasurer, E. C. Kendel, Cleveland, Ohio; executive committee, Walter P. Stokes, J. E. Worthing, H. M. Schisler, M. H. Duryea and M. L. Webster.

Among the firms represented at the meeting were: C. L. Allen, of Floral Park; H. C. Anthony, Portsmouth, R. I.; L. H. Archias, Sedalia, Mo.; F. Barteldes & Co., Lawrence, Kan.; A. A. Berry Seed Co., Clarinda, Ia.; F. W. Bolgiano & Co., Washington, D. C.; J. Bolgiano & Sons, Baltimore, Md.; B. L. Bragg Co., Springfield, Mass.; Alfred J. Brown, Grand Rapids, Mich.; W. A. Burpee, Philadelphia, Pa.; J. L. Childs, Floral Park, N. Y.; A. N. Clark, Milford, Conn.; Cleveland Seed Co., Rochester, N. Y.; Comstock Ferre & Co., Wethersfield, Conn.; R. G. Craig & Co., Memphis, Tenn.; F. H. Ebeling, Syracuse, N. Y.; Frank T. Emerson, Waterloo, Neb.; S. W. Flower & Co., Toledo, Ohio; Godden Co., Amzi, Birmingham, Ala.; Griffith & Turner Co., Baltimore, Md.; T. Griswold & Co., Wethersfield, Conn.; W. H. Grenell, Pierrepont Manor, N. Y.; Hart, Welles & Co., Wethersfield, Conn.; Hickox, Mull & Hill Co., Toledo, Ohio; Illinois Seed Co., Chicago, Ill.; Iowa Seed Co., Des Moines, Iowa; S. M. Isbell & Co., Jackson, Mich.; Johnson & Stokes, Philadelphia, Pa.; N. B. Keeney & Son, LeRoy, N. Y.; A. C. Kendel, Cleveland, Ohio; S. F. Leonard, Chicago, Ill.; Livingston Seed Co., Columbus, Ohio; J. M. Lupton, Mattituck, N. Y.; J. M. McCullough's Sons, Cincinnati, Ohio; J. Chas. McCullough, Cincinnati, Ohio; Henry F. Michell, Philadelphia, Pa.; Henry Nungesser & Co., New York; L. L. Olds, Clinton, Wis.; Page Seed Co., Greene, N. Y.; Henry Phillips Seed & Implement Co., Toledo, Ohio; F. S. Platt, New Haven, Conn.; J. B. Rice & Co., Cambridge, N. Y.; J. C. Robinson, Waterloo, Neb.; August Rolker & Sons, New York; Rogers Bros., Chaumont, N. Y.; Schisler-Corneli Seed Co., St. Louis, Mo.; J. Steckler Seed Co., New Orleans, La.; Steele, Briggs Seed Co., Toronto, Ont.; L. Templin & Son, Calla, Ohio; J. C. Vaughan, Chicago, Ill.; Weeber & Don, New York; T. W. Wood & Sons, Richmond, Va.; S. D. Woodruff & Sons, Orange, Conn.; Young & Halstead, Troy, N. Y., and others.

New members elected to the association were, among others: the Cox Seed Co., San Francisco, Cal.; Lilly, Bogardus & Co., Seattle, Wash.; Churchill Seed Co., Toledo, Ohio; W. W. Rawson & Co., Boston, Mass.; Frances Brill, Hempstead, L. I., and the Alexander Seed Co., Atlanta, Ga.

Among the guests, in addition to the members of the association present at the banquet were: Messrs. Charles H. Allen and Arthur H. Goldsmith, Floral Park, N. Y.; Professor Johnson and Mr. Barrett, of the American Agriculturist; Moore & Simon, Philadelphia, Pa.; H. W. Wall, Brooklyn, N. Y.; Charles H. Rowe, Philadelphia, Pa.; Charles W. Whitbeck, Schenectady, N. Y.; John Connon, Hamilton, Ont.; J. Horace McFarland, Harrisburg, Pa.; Frank B. White, Chicago, Ill.; Mr. Stecker, Rochester, N. Y.; Professors Peters and Tracy, of the U. S. Department of Agriculture and Wm. Henry Maule, Philadelphia, Pa.

President-Elect S. F. Willard.

The election of S. F. Willard, Wethersfield, Conn., to the presidency of the American Seed Trade Association, is an honor worthily bestowed. Mr. Willard has been secretary since the Washington convention of the Association in 1897, when he succeeded, in that office, A. L. Don, of New York.

The president-elect was born at Wethersfield, Conn., where he has lived ever since. He has been connected with the corporation of Comstock, Ferre & Co., seed growers, ever since October, 1871, and has been president of that concern since 1898. Mr. Willard has a large acquaintance with the seed trade and the seed growing sections of the United States and Canada.

That he is equally as highly thought of by his neighbors as he is by members of the American Seed Trade Association, in which he has always taken an active interest, was testified to by his election to the Connecticut General Assembly for 1901.

Ullery & Company, of Brattleboro, Vt., have purchased the New England Farmer and Our Grange Homes, of Boston, Mass. The publications will be consolidated and published under the title of the New England Farmer, at Brattleboro.

A bulletin on "The Propagation of the Easter Lily from Seed" has been issued by the Department of Agriculture. The writer of the bulletin is George W. Oliver. We shall refer to it at length in next week's issue.

S. F. WILLARD.
President-elect American Seed Trade Association.

A BUSINESS OFFER!

YOU can earn good high interest on your money by filling empty spaces in your houses now with well-grown palms in medium and large sizes. They will grow rapidly through the summer and set well in the fall. Areca Lutescens, cool-grown, bushy plants, 6 inch pots, 75c. each; $9.00 a doz. 6-inch pots, extra heavy, $1.00 each; $12.00 a doz. 8-inch pots, $2.00 each; $24.00 a doz. 8-inch pots, extra heavy, $2.50 each; $30.00 doz.

ALSO A GENERAL STOCK OF ARECA AND KENTIAS, ALL SIZES, FOR GROWING ON.

JOSEPH HEACOCK, Wyncote, Pa.

VIOLETS.

Marie Louise, prize stock, guaranteed to be healthy and a No. 1, or your money back. Strong, 2-2½ in. stock, $2.50 per 100; $20.00 per 1000. Strong, 3 in., $4.00 per 100; $35.00 per 1000. Ready for July delivery. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

Carnations

F. DORNER & SONS CO.

LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

J. D. THOMPSON CARNATION CO.

Carnation Specialists

JOLIET, ILL.

Mention the Florists' Exchange when writing.

Dracaena Indivisa.

Fine plants, full of roots, ready for large pots, 25 from 6 in.; 25 from 7 in. No reasonable offer refused.

JOHN DOUGHTY (FLORIST)

NEW HAVEN, CONN.

Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS

Strong plants, February and March struck. Healthy and free from disease.

$15.00 per 1000. Cash with order.

Your money cheerfully refunded if not satisfactory.

C. LAWRITZEN, Rhinebeck-on-Hudson, N.Y.

Mention the Florists' Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 20 others, 2 in. pots, $1.00 per 100; $10.00 per 1000.

Salvia, 2½ in. pots, $2.00 per 100.

Ageratum, P. Pauline and Stella Gurney, 2 in. pots, $1.50 per 100.

Double Giant Sweet Alyssum, 2 in. pots, $2.00 per 100. **Cannas**, 4 in. pots, $5.00 per 100.

CASH WITH ORDER.

ERNEST HARRIS, Delanson, N. Y.

Successor to C. A. Harris & Co.

Mention the Florists' Exchange when writing.

If you want the best paying crop that you can plant for Summer, plant

THE PIERSON FERN

(Nephrolepis Piersoni)

There is nothing you can plant that will increase in value so rapidly as this. The demand has been so great and our advance sales so large that we have not offered it recently, having only just completed filling our advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt.

Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. **Now is the time to invest** in it and get the benefit of the tremendous demand and good prices which are sure to prevail another season.

The **BOSTON FERN**, although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

We offer strong young plants in 2¼-in. pots, at $9.00 per doz.; 50 plants at 60 cts. each; 100 plants at 50 cts. each; 500 plants at 45 cts. each; 1000 plants at 40 cts. each.

Extra large plants, 6-in. pots, $27.00 per doz.; 50 plants at $1.80 each; 100 plants at $1.50 each.

These large plants will make fine stock for growing on into large specimen trees for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Mention the Florists' Exchange when writing.

Geraniums, Le Soleil, J. Viaud, Castellane and J. Doyle, 2 inch, young stock, 25 of each, $1.60; by mail, $2.00. **Coleus**, Fancy and Giant, $1.00 per 100. **Pansy Seed**, Herr's select, given satisfaction past 23 years, 4000 seeds, $1.00.; 1 oz., $5.00.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

The Cottage Gardens

WHOLESALE FLORISTS...

QUEENS, - - NEW YORK,

Mention the Florists' Exchange when writing.

FIELD-CROWN CARNATIONS

of best leading varieties.

We are also booking orders for 1904 Novelties: Crusader and Flamingo (scarlet), Reliance white); Indianapolis (pink), etc.

Chicago Carnation Co., Joliet, Ills.

Mention the Florists' Exchange when writing

WATCH FOR NOTICE

of Finest Strains of

Primulas, Cyclamens, Cinerarias,

and other Winter-blooming plants.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

We Have About 800 Double Pink

GERANIUMS

about 500 Single and Double assorted colors Geraniums. 500 Variegated **VINCAS**, 500 **SCARLET SAGE**, all strong plants, mostly in bloom, out of 4 in. pots, $6.00 per 100.

CASH WITH ORDER. QUICK SERVICE.

C. RIBSAM & SON, Trenton, N. J.

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA.

About 500 plants left, 2½ to 4 ft. high, from $4.50 to $7.50 per dozen. Fine stock. Cash with order.

CHR. SOLTAU,

199 Grant Avenue,

JERSEY CITY, N. J.

Near West Side Avenue Depot of Newark & N. Y. R. R., or by West Side Avenue trolley cars from Pennsylvania Ferry in Jersey City.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON

Roses, Palms, Crotons

...CARNATIONS...

and Novelties in Decorative Plants

Market and 49th Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

At cost price. To clear out stock.

BAY TREES

Standard, about 4 feet in diameter of crown, $30.00 per pair. Over 4 ft., $35.00 and $40.00 per pair. Standard, crown diameter, 28 in., $12.00 per pair; 30 in., $15.00 per pair. Add $1.00 for packing for each pair. Cash with order.

A. SCHULTHEIS, College Point, N. Y.

Mention the Florists' Exchange when writing.

Plumosus Nanus

All sold out of 2¼-3½ and 4 in. sizes, but still have a fine lot of good, strong stock from 3 in. pots left, at $8.00 per 100. Cash with order.

Address **JOSEPH TOWELL, Paterson, N. J.**

Mention the Florists' Exchange when writing.

THERE'S MONEY

in growing Adiantum Farleyense—and it's easy. Expert Lindstrom tells all about the culture in his little booklet. Sent postpaid for 50 cents.

A.T. DeLaMare Ptg. & Pub. Co. Ltd.

2 Duane Street, N.Y.

Palms, Ferns, Araucarias

Ferns, 4 in. assorted, $1.75 per doz.; $12.50 per 100. 2½ in. assorted, fine stock, $3.00 per 100.

Latania Borbonica. Reduced Prices. 3-in pots, $6.00 per 100; 4-in. pots, $15.00 per 100; $2.00 per doz.: 5-in. pots, $25.00 per 100; $3.50 per doz.: 6-in. pots, $40.00 per 100; $5.00 per doz.; from 8-in. pots and larger, $2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2½-in. pots, $7.00 per 100; 3-in. pots, $12.00; 4-in. pots, $25.00; 5-in. pots, $50.00. 6-in. pots, $15.00 per doz.; from 7-in. pots and upward, at $1.75 to $35.00 each.

Areca Lutescens, 4-in. pots, $20.00 per 100; 5-in. pots, $40.00 per 100: $6.00 per doz.. Fine stock of larger plants, from $1.50 upward.

Araucaria Excelsa, from 50c. upward. Fine plants.

Araucaria Compacta, from $1.00 upward. Fine plants.

Phœnix Reclinata, 4 in. pots, at $20.00 per 100; 5 in. pots, $35.00 per 100; $4.50 per doz.; 6 in. pots, $9.00 per doz. Larger plants from $1.00 upward.

Phœnix Canariensis, fine specimens, from $2.00 to $35.00 each. L. D. Telephone 872a.

JOHN BADER, Troy Hill, Allegheny City, Pa.

Mention the Florists' Exchange when writing.

ROSES. American Beauty.

1600 plants from 3 in. pots. Strictly first class stock, $10.00 per 100. Special price per 1000. 1050 **BRIDESMAID**, 3 in. stock, $6.00 per 100; $40.00 per 1000. Balance of our rose plants all sold out.

ASPARAGUS Plumosus Nanus, 2¼ in. pots, $4.00 per 100. **Sprengeri**, 2¼ in. pots, $2.50 per 100.

CHRYSANTHEMUMS, 2¼-inch Pots.

	100
WHITE.	
Lady Fitzwygram	$3.50
Robinson	3 00
Mrs. R. Weeks	4 00
Jerome Jones	3 00
Polly Rose	3 00
Timothy Eaton	3 00
Willowbrook	3 00
Ivory	2 50
YELLOW.	
Col. D. Appleton	3 00
Yellow Pacific	3 00
Bonnaffon	3 00
Monrovia	4 00
October Sunshine	3 00
Yellow Robinson	3 00
Pennsylvania	3 00
Yellow Fitzwygram	4 00
PINK.	
Pacific	2 00
Helen Bloodgood	3 00
J. K. Shaw	2 50
Maud Dean	3 50
Pink Ivory	2 50
RED.	
Black Hawk	3 50

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

New White CANNA **MONT BLANC**

THE GREATEST NOVELTY IN CANNAS.

Potted Plants, 75c. each; $7.50 per doz.; $50.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

HAERENS BROS.,

SOMERGEM
BELGIUM

Extensive growers of **AZALEA INDICA, PALMS, RHODODENDRONS,** and other **DECORATIVE** and **FORCING PLANTS.** Eight acres of **AZALEAS** in cultivation; all specially grown for the American market. We are the originators and owners of the new and beautiful Azalea **EASTER LADY** (or Herensiana), a soft pink, a very desirable variety. **Send your orders** for Fall delivery timely to our Agents for United States and Canada.

Catalogue on Application.

AUGUST RÖLKER & SONS, P. O. Box 752, **31 Barclay St., New York**

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived in Fine Condition: Cattleya citrina, Epidendrum nemorale, E. vittelinum majus, Odontoglossum citrosmum, O. maculatum, O. Reichenheimii, Oncidium Cavendishianum, O. Ornithorhynchum, O tigrinum unguiculatum, O varicosum Rogersii, Phalænopsis amabilis and P. Schilleriana.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

Mention the Florists' Exchange when writing.

LOW PRICE. QUICK PROFIT.

The Anna Foster Fern

NOW READY

The most graceful Nephrolepsis grown, very popular; very prolific.

Beautiful plants, cut from bench, $35, $50, $75 per 100.

Small plants, 3-4 fronds, $10 per 100; $80 per 1000.

Pot plants, 3-in., $20 per 100; 6-in., $1; 7-in. $2; 8-in, $3; 9-in., $4 each. Larger plants on application.

10,000 KENTIA PALMS.

L. H. FOSTER, 45 King Street,
Dorchester, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY

Our first crop of **Fern Seedlings** is now ready for potting, including the following varieties:

Pteris cretica cristata, Pteris cretica albolineata, Pteris serrulata, Pteris serrulata densa, Pteris Adiantoides, Aspidium Tsussimense, Lastrea Chrysolaba, Lomaria Gibba, Doodia aspera, Onychium Japonicum, Adiantum cuneatum and Adiantum pubescens. Equal number of each at $1.00 per 100; $8.50 per 1000. 500 at 1000 rate If by mail add 10cts. per 100 for postage.

MIXED FERNS, for dishes, 2¼ in. pots, $3.00 per 100; $25.00 per 1000. 250 at 1000 rates.

ADIANTUM CUNEATUM, just the thing to plant out in benches now for next season. 4 in., $9.50 per 100; $90.00 per 1000. 5 in., $12.00 per 100.

FERN SPORES, gathered from our own stock, 30 cts. per trade pkt.; 10 pkts., $2.50.

Telephone, 29-I

ANDERSON & CHRISTENSEN
SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

Orchids. Florists' Orchids.

CATTLEYAS DENDROBIUMS
CYPRIPEDIUMS.
Large Importations Just Arrived.

SANDER & SONS, St. Albans, England.
Agent, A. DIMMOCK, 136 Liberty Street,
New York City.

Mention the Florists' Exchange when writing.

CROTONS

FINE STOCK. 4 inch, $15.00 per 100; 5 inch, $20.00 per 100; 6 inch, $45.00 per 100.

Pandanus Veitchii

4 inch, 50c.; 5 inch, 75c.; 6 inch, $1.00.

The PHILADELPHIA
Wholesale Flower Market
1224 Cherry St, PHILADELPHIA

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

I STILL HAVE A FULL LINE OF BEDDING PLANTS FOR LATE PLANTING OR STOCKING UP.

See issue of June 20.

Special low prices on Palms to close out. Fine, clean stock, cool grown and well-shaped plants. None better.

Areca Lutescens, 3 plants to pot, 4, 5 and 6 in., $25.00, $40.00 and $100.00 per 100.
Kentia Belmoreana and Forsteriana, 3, 4, 5 and 6 in., $12.00, $25.00, $40.00 and $100.00 per 100.
Rex Begonia, 2 and 3 in., $4.00 and $8.00 per 100.
Dracæna Indivisa, 3 in., $5.00 per 100; 4 in., $10.00 per 100.
English Ivy, 2 and 3 in., $3.00 and $6.00 per 100.
Vinca Var., 2 in., $2.00 per 100; 3 in., $4.00 per 100.
Boston Fern, 5 in., $30.00 per 100.

Cash or C. O. D.

GEO. M. EMMANS, NEWTON, N. J.

Mention the Florists' Exchange when writing.

ADIANTUM FARLEYENSE

All plants propagated from single eyes and now ready for a shift. These are the only sizes profitable to buy at this season of the year.

3 in., $2.50 per doz.; $15.00 per 100. 4 in., $4.00 per doz; $25.00 per 100.

ADIANTUM CUNEATUM

2 in., $4.00 per 100; $35.00 per 1000. 3 in. $8.00 per 100. 4 in. $12.00 per 100

KENT PLACE NURSERIES Telephone 88 **Summit, N. J.**

Mention the Florists' Exchange when writing.

Boston Sword Ferns

20,000 from bench, ready for 5 in. pots. Short and bushy. $2.00 per doz.; $15.00 per 100. CASH WITH ORDER.

H. H. BARROWS & SON,
Whitman, Mass.

Mention the Florists' Exchange when writing

ASPARAGUS

	Per 100
Plumosus, from 4 inch pots	$10 00
Second selection from 4 inch pots	7 50
Medium sized vigorous small plants ..	5 50

Sprengeri, from rose pots, at $2.50 per 100; $20.00 per 1000.

SMILAX.

First sowing all sold. Second lot will be in good shape about July 15th. $1.50 per 100, $15.00 per 1000 Samples for ten cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

FERNS AND PLANTS

Ferns. A good variety of the best and hardy kinds suitable for fern dishes, etc., $3.00 per 100.

German Ivy, 2¼ in., $2.00 per 100, 4 in., big bushy plant, $6.00 per 100

Geraniums, 4 in., $6 per 100, 2¼ in., $2.50 per 100.

Verbenas, 2¼ in., $2.00 per 100

We have a large variety of Bedding Plants. Write us for what you need.

H. WESTON, Hempstead, N. Y.

Mention the Florists' Exchange when writing.

KENTIAS

Belmoreana and Forsteriana, 4 in. pots, $6.00 per doz.; 7 in. pots, $2.00 to $2.50 each; larger plants, $3.00 to $15.00 each. Kentia Forsteriana, 2½ in. pots, $15.00 per 100; 3⅜ in. pots, $18.00 per 100. Kentia Belmoreana, 3⅜ in. pots, $18.00 per 100.

Asparagus Sprengeri, 3½ in. pots, $10.00 per 100.

Branch Rubbers, 5 in. pots, 2 to 5 branches, $5.00 per doz.

WILLIAM A. BOCK, No. Cambridge, Mass.

Mention the Florists' Exchange when writing.

SPECIAL OFFER OF PALMS

WE OFFER HEREWITH A SPLENDID LOT OF PALMS, STOCKY, CLEAN, VIGOROUS PLANTS, WHICH WILL MAKE FINE PLANTS FOR FALL SALES. NOW IS THE TIME TO GET IN YOUR SUPPLY AND REAP THE ADVANTAGES OF THE SUMMER GROWTH.

ARECA LUTESCENS

Fine plants from 5-inch pots, 3 plants in a pot, 20 to 24 inches high, $4.50 per doz.; $35.00 per 100.

Plants from 4-inch pots, 12 to 15 inches high, nice stocky plants, 3 plants in a pot, $2.50 per doz.; $20.00 per 100.

KENTIA BELMOREANA

Splendid plants from 6-inch pots, 2 to 2½ ft. high, 5 to 7 leaves, $12.00 per doz.

Plants from 5-inch pots, 15 to 18 inches high, $6.00 per doz.; $45.00 per 100.

Plants from 4-inch pots, nice stocky plants, about one foot high, $3.50 per doz., $25 per 100.

Plants from 3-inch pots, just ready for a shift, $14.00 per 100.

KENTIA FORSTERIANA

Fine plants, from 5-inch pots, 18 to 20 inches high, 5 to 6 leaves, $4.50 per doz.; $35.00 per 100.

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Summer Pruning of Trees and Shrubs

Read before the Germantown Horticultural Society, June 3, 1903, by Joseph Meehan.

That the pruning of trees and shrubs in Summer is not practiced nearly to the extent it should be, is partly due to the fact that its benefits have never been made as clear to those interested as could have been done, and because that in the Winter season the gardener has fewer duties demanding his attention. It is the writer's belief that Summer pruning is far preferable to that of Winter, as the objects of pruning are the quicker and better obtained by it. These objects, in a general way, are the forming of beautiful specimens, the producing of flowering shoots and, in the case of fruit trees, the forming of flower buds looking for fruit to follow them.

As an illustration of the way Summer pruning forms beautiful specimens, take, for example, a privet hedge. At this writing, the first days of June, the young shoots of this season are nearly a foot in length. Let alone they will be two to three feet by Fall. But cut them back half their length now and half a dozen shoots replace the one; do it again when these are six inches in length, and again a month or so later, and a bushy mass of shoots will have replaced the original one. It is just the same with trees and shrubs. The many shade trees of our streets and lawns, showing huge scars where large branches have been sawed off, should have been pruned yearly when young and even older, then there would have been no need of cutting off large limbs. The Carolina poplar, a really pretty tree when young, could be kept in good condition a longer time than it is now, had it the care of a Summer pruner. The tree would then be bushy, affording foliage much more dense than as now usually seen. I do not recommend this tree, but use it as an illustration, as ill-formed specimens of it are common in many places.

As shown in the case of the privet hedge, what is required to produce bushiness and shape is the nipping off of the ends of growing shoots. It can be done by the finger and thumb, when growth is soft. Maples and trees, rare and common, should be treated in this way, and not pruned in Winter, when bushiness is the object. Winter pruning acts the other way, mainly. A strong shoot cut back unites its forces to replace what it lost; another one stronger than the other takes its place, with but a few weaker ones in the rear.

Evergreens can be benefited in the way of being made as bushy as deciduous trees are. Pines generally break forth in Spring in clusters of shoots a half dozen or more together. The taking out of the central one will usually suffice, acting as does the pinching off of the end of a shoot on a deciduous tree. The side shoots receive all the support, and thus bushiness is promoted.

Other coniferous evergreens of the same character of growth, such as firs and many spruces, require the same kind of pruning. There is but little advantage in more pruning than the taking off of the central shoot, though the nipping away of the extreme tips of the remaining shoots will cause still further bushiness the next season. Such evergreens as retinosporas and Arbor vitæs and like forms may be treated as recommended for deciduous trees, but their generally numerous branches make the use of a knife or shears a matter of saving of time.

In the case of shrubs, when bushiness is the object, treat them just the same as advised for deciduous trees. Taking a weigelia or golden bell, for example, one would hardly believe the changed appearance of them by Fall when treated to several prunings while they are still growing. No one wants shrubs ball-shaped; pruning is not for that. It is to give bushiness and a pleasing outline while still in reasonable keeping of natural growth.

Pruning for the increasing of flowering shoots consists in the partial cutting away of the shoots that have flowered, that strong, new ones may succeed them, as these new ones are what we look to for our next Spring's flowers. Not all the old shoots must be cut away, as the loss of too many branches is weakening to the bush. As the new ones spring up, there is no harm done in topping them as they grow. It makes the bushy specimens we all like to see.

Fruit trees may be shapened just as other trees are, and besides that it makes them bushy it often promotes fruitfulness. In Europe, where the obtaining of the most fruit possible from every tree is of great importance, Summer pruning is almost universal. The shoots of cherries, pears, peaches and so forth, are pinched back in Summer, while growth is progressing. This causes the formation of fruit buds below where the top has been taken off. In addition to this, a check is placed on the vigor of the trees by removing entirely many of the shoots. To those of us accustomed to letting our fruit trees grow as they will, it is amazing to witness the mass of foliage lying under a fruit tree in England which has just been pruned. In addition to the check thus given, root pruning is largely practiced also, with the idea of forcing fruitfulness by checking growths. There is no doubt the same method would produce fruitful trees here as well, should anyone wish to try it.

Summer pruning of grapes consists of nipping off the shoots producing fruit at two leaves above the bunch. Canes may be allowed to lengthen as they will, Winter pruning bringing them back to the proper length.

Raspberries and blackberries are often cut off when the canes have made two to three feet of growth. The side shoots are formed, making little bushes of each. Though these bush forms are more self-sustaining than others, the fruit is not as large, the greater number of berries produced lessening the size of the whole.

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POSITION wanted by young married man having ten years' experience in the rose business, can furnish best reference. Address B. E., care Florists' Exchange.

WANTED, position as manager of first-class establishment, good grower and salesman. References given. D. Livingstone, Armstrong St., New London, Conn.

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FLORIST, 30 years' practical experience growing carnations, violets, chrysanthemums, pot plants, and especially roses, wants position. Single, sober. State wages. B. B., care Florists' Exchange.

SITUATION wanted as manager, in or near Boston; long experience in roses, carnations, chrysanthemums, etc. Best of references. Apply John Pritchard, Newtonville Ave., Newtonville, Mass.

GARDENER by first-class married man; no children; Swiss, 30 years' experience in greenhouse plants and flowers; also landscaping, shrubs, fruits, grapes, vegetable garden, etc. Best of references. B. P. Haessig, Lawrence, L. I., N. Y.

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FLORIST, with eight years' experience on private and commercial [illegible], wants position as assistant, first class references. Private [illegible] preferred. Address F. Reuder, 2[illegible] [illegible], Brooklyn, N. Y.

SITUATION wanted by sober man, life experience growing roses, carnations, chrysanthemums and pot plants, first class reference, single, aged [illegible], sober. State wages. Address Y. R., 402 Liberty St., Union Hill, N. J.

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Also first-class nurseryman, thoroughly experienced in making soft wood shrub cuttings. Wages paid according to ability. Address E. F., care Florists' Exchange.

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One S[illegible] boiler, No. 9, [illegible], $140.00 (cost $280.00); one S[illegible] boiler, No. 2, small, $[illegible].
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Geraniums, 2 in., $1.50 per 100.

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Geraniums, mixed, mostly light colors, 3½ in pots, $5.00 per 100. Ivy Geraniums, mixed, good varieties, 3½ in., $5.00 per 100 **Cannas,** Italia, Austria, Charles Henderson, 4 in. pots, $5.00 per 100. **Fuchsias,** Storm King and Avalanche, 6 in. pots, fine, $10.00 per 100; Elm City, 4 in., $8.00 per 100. Verbenas, mixed, 3 in. pots, $2.50 per 100. Vernon Begonia, Lobelia, Parlor Ivy, Maurandya, Ageratum, dwarf blue and Princess Pauline. Coleus, dark red, 2½ in. pots, $2.50 per 100. Centaurea Gymnocarpa, 3 in. pots, $2.50 per 100.

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4-inch pots, 10c.; 5-in pots, 20c. each.

From 3-inch pots—Stevia, French Daisy, Vinca Major, Golden Feverfew, Ageratum, Verbena, "Henderson's Mammoth," 3c each $25 per 1000.

From 2½-in pots—Berried Plants for Christmas now ready — Celestial Peppers, Solanum Ciliatum, Solanums, Amazonicum and Annuum, Solanum Capsicastrum or Jerusalem Cherry (the large berry variety). Hydrangea Otaksa (pink and blue), Egg Plants, Red and Yellow. Coleus, $2.50 per 100. Genista, 2½-in., 3c. each; large flowering.

CASH, or will trade some for good rooted Chrysanthemum cuttings.

My plants are well established and are clean and showy.

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Sprengeri, 2 in. pots	$2.00
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GERANIUMS	2.00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

COLEUS. COLEUS. COLEUS.

Strong stocky plants in 3½ in. pots.

Red Verschaffeltii, Golden Bedder aud other popular varieties.

Have lots of them, $2.00 per 100; $18.00 per 1000.

J. T. LOVETT, = Little Silver, N. J.

Mention the Florists' Exchange when writing.

SURPLUS SEASONABLE STOCK

ALL IN FIRST CLASS GROWING CONDITION.

WHITE MOONFLOWER, 2½ in. $2.50 per 100; $20.00 per 1000.
BEGONIA, Vernon and Vulcan, $2.00 per 100.
COBÆA SCANDENS, 2½ inch, $3.00 per 100.
CALADIUM ESCULENTUM, 5 inch pots, $5.00 per 100.
CANNAS, strong, 3 inch, $4.00 per 100.
SALVIA SPLENDENS, 3 inch, $3.00 per 100.
AGERATUM, Stella Gurney and P. Pauline, $2.00 per 100.
ABUTILON SAVITZI, $3.00 per 100.
ABUTILON ECLIPSE, $2.50 per 100.
WEEPING LANTANA, $3.50 per 100.
PLUMBAGO CAPENSIS, $3.00 per 100.
CROTONS in variety $3.00 per 100,
HIBISCUS SINENSIS in variety, $2.50 per 100.
OTAHEITE ORANGE, $2.50 per 100.
LEMON AMERICAN WONDER, $2.50 per 100.
JERUSALEM CHERRY, 2½ inch, $2.50 per 100.
KENTIA BELMOREANA, 2½ inch, $6.00 per 100.
ROSES, General Collection Everblooming, $20,00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

CANNAS

Chas. Henderson, fine strong 3 in. stock, $3.50 per 100; $30.00 per 1000.

GERANIUMS

S. A. Nutt, Jean Viaud, Marquis de Castellane, etc., 4 in., $5.00 per 100.

FUCHSIAS

Little Beauty, 3 in., $5.00 per 100.

CARL HAGENBURGER,
West Mentor, Ohio.

Mention the Florists' Exchange when writing.

COLEUS

Golden Bedder, Verschaffeltii, and other good sorts, 2-in. pots, $1.25 per 100; $10.00 per 1000. R. C 60c. per 100.

Alternanthera red and yellow, $1.25 per 100; $10.00 per 1000.

AGERATUM Gurney, P. Pauline, and Best White R.C. 60c. per 100.

STEVIA SERRATA R. C. 75c. per 100.

CANNAS, 4 in., Henderson, Cleveland, Italia, Burbank, etc., $4.00 per 100.

TOMATOES. Stone Paragon, Ponderosa, Imperial, Atlantic Prize, Earliana, $1.00 per 1000.

CABBAGE, Flat Dutch, Drumhead, Ballhead, Autumn King, Fottler's, $1.00 per 1000.

Cash. R. C. prepaid.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

Strong Plants CANNAS From 3½ in. Pots

Price, $6.00 per 100.

Austria, Burbank, Creole, Chas. Henderson, Doyen Jo Sisley, Egandale, Frances Crozy, F. R. Pierson, Florence Vaughan, Italia, J. C. Cabos, J. C. Vaughan, John White, Pres. Carnot, Paul Bruant, Paul Marquant, Queen Charlotte, Thos. S. Ware, Beaute Poitevine, Chicago, Duke of Marlboro, Eldorado, Mlle. Berat, Oriole, Pres. Cleveland, Papa, Pres. McKinley, Pierson Premier, Secretaire Chabanne, Souvenir d'A. Crozy.

OWN ROOT ROSES HEALTHY STOCK

Bride
Bridesmaid } From 3-in. pots, $7.00 per 100; $60.00 per 1000.

GRAFTED ROSES.

Golden Gate,
Bridesmaid,
Bride,
Wootton } 3-inch pots, $15.00 per 100.

CHRYSANTHEMUMS

Fine stock from 2½ in. pots.

Adula, Autumn Glory, Col. Appleton, Dorothy Devens, Eureka, Gold Mine, Idavan, Mrs. R. McArthur, Mme. Gastellier, Minnie Wanamaker, Mrs. Perrin, Meta, Mlle. L. Faure, Mrs. T. L Park, Nagoya, White Bonnaffon, Xeno, Yanariva, Timothy Eaton, $4.00 per 100; $35.00 per 1000. Ada Spaulding, Mrs. J. Jones, Mrs. S. T. Murdock, Major Bonnaffon, Mrs. S. Humphreys, Margaret Graham, Niveus, Rose Owen, Thos. H. Brown, W. H. Lincoln, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sale.

	Size Pots	Per 100
Achyranthes, Emersonii, etc.	2¼ in.	$3.00
Anthemis, Double Golden Marguerite	2¼	3.00
Asparagus Sprengeri	3	6.00
Alternanthera, red and yellow	2¼	3.00
Ageratum, white and blue, Princess Pauline, and Stella Gurney.	3 2¼	5.00 3.00
Cuphea, Platycentra.	2¼	3.00
Coleus, leading varieties, $35.00 per 1000.	3	4.00
Coleus, leading varieties, $20.00 per 1000	2¼	2.50
Coleus, Verschaffeltii and Golden Bedder, $20.00 per 1000	2¼	2.50
Feverfew, double white	2¼	4.00
Geraniums, double and single, strong	3½	7.00
" double, special variety or color	3½	8.00
" Ivy, fine varieties	3½	8.00
" Fragrant rose, etc.	3	5.00
Dracæna Indivisa, fine stock	5	25.00
" " " "	4	20.00
Fuchsias, double and single	2¼	3.00
" " " "	3½	7.00
Heliotrope, light and dark vars	3½	6.00
" " " " "	2¼	3.00
Ivy, German	2¼	3.00
Moon Flower, white	2¼	3.00
" " " strong	4	10.00
Pelargoniums, 4 varieties	3½	12.00
" " "	2½	6.00
Petunia, double fine variety	2¼	4.00
" " " "	3	6.00
" " " "	3½	8.00
Salvia, splendens and Bedman	2¼	3.00
Violets, Marie Louise, $25.00 per 1000	2¼	3.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

15,000 VINCA VAR. Good strong plants from cold frame 2 in., $1.25 per 100; $10.00 per 1000; 500 at 1000 rates. Cash with order.

P. J. AGNEW, Johnson Ave., Springfield, Ohio.

BEGONIA VERNON in bloom 2½ in
BOUGAINVILLEA, 2½ in
TORENIA FOURNIERI, in bud, 2½ in.
FERNS, in best variety, 2½ and 3 in. } $2.50 per 100
PRIMULA Forbesii Obconica, 2½ in., $3.00 per 100.

Cash with order.

JOHN G. EISELE,
20th and Ontario Sts., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CUTTINGS

of all descriptions.
Prices on application.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

NOTICE!

Cyclamen Persicum Splendens Giganteum. Finest strain in the world, in four true colors, (August Seedlings) extra well grown plants from 2½ inch pots, $5.00 per 100; $45.00 per 1000.

Begonia Rex, in 12 standard varieties, strong plants from 2½ in. pots, $4.00 per 100; $35.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Best Varieties.

Castellane, Acteon, Dryden, Harrison, etc., etc., $6.50 per 100, 4 inch pots; 3 inch, $4.50 per 100.

YOUNG ROSES principally Golden Gate, Bridesmaid and Bride, 10,000. Price on application.

40,000 Farquhar Violets 2½ inch pots.
Now ready to ship.

J. R. FREEMAN, 612 13th St., N. W. WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

GERANIUMS In bud and bloom, 4 in., $6.00 per 100 Mrs. E. G. Hill, Jean Viaud Bruant, Mme. Chevilliere, Beaute Poitevine.

CANNAS Fine large plants in 4 in. pots, ready for immediate planting, $6.00 per 100. Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERA, red and yellow, 2½ in., $2.50 per 100.

COLEUS, fifteen varieties, 2½ in., $2.00 per 100.

CHRYSANTHEMUMS Rooted Cuttings. July delivery. Opah, Polly Rose, Willowbrook, Robinson, Weeks, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr. Halliday, Appleton, Park, Bonnaffon, Golden Wedding, Ivory, Lady Harriett, Glory Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, $1.50 per 100. Mlle. Liger and Yellow Eaton, 50c. each; $5.00 per doz.

BOSTON FERNS 6 in., 50c. and 75c. each; 7 in., $1.00; 8 in., $1.25; 9 in., $1.50.

ROSES, 2,000 Bride, 2½ in. rose pots, $3.50 per 100.

CALADIUM, fine plants, 3 in. and 4 in pots, 3 to 10 in. leaves, $5.00 and $8.00 per 100. Cash or C. O. D.

W. J. & M. S. Vesey, Ft. Wayne, Ind.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100	1000
COLEUS, 2½ in., 10 sorts	$1 50	$14 00
IMPATIENS SULTANA, 2½ in.	2 00	
HELIOTROPE, purple, 2½ in.	2 00	18 00
IVY GERANIUMS, 2½ in.	2 00	18 00
VERBENAS, assorted, 2½ in.	2 00	18 00
CANNAS, red and yellow, 3 in.	3 00	
DAISY, white and yellow, 2½ in.	2 00	18 00
HYDRANGEA Thos. Hogg and Monstrosa, 2½ in	2 50	20 00
HONEYSUCKLE, golden leaved, 2½ in.	2 00	18 00
FERN, Maiden Hair, strong, 2½ in.	3 00	
CYPERUS, Umbrella Plant, 2½ in.	1 50	14 00
VIOLETS, Swanley White, Lady Hume Campbell, Luxonne, Princess of Wales and California, 2½ in.	2 00	18 00
CLEMATIS PANICULATA, 3 years old, field-grown	6 00	

THE SPRINGFIELD FLORAL CO.
SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY ROSES

We have a fine lot in 2 1-4 inch pots, just ready for shifting or planting, which we offer at

$7.50 per 100; $60.00 per 1000.

From 3½ in. pots, $12.00 per 100; $100 per 1000.

These plants are grown from double-eyed cuttings made from select blooming wood, the same in all respects as we use ourselves. We grow nothing but American Beauty Roses, and both our plants and our blooms are recognized as having no superiors.

These Plants will be Carefully and Lightly Packed, and We Know will Give Satisfaction.

F. R. & P. M. PIERSON, Scarborough-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

SEMPLES ASTERS

Five Colors, Mixed

White and Shell Pink in Separate Colors

$2.50 per 1000. Cash Please.

A & G ROSBACH, Pemberton, N J.

Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100
Bridesmaid, 3-in. pots, . .	$3.50
Bridesmaid, 4-in. pots, ex. fine,	5.00
Bride, 3-in. pots, ...	3.50
Bride, 4-in. pots, ex. fine .	5.00
Ivory, 3-inch pots	4.50
$40.00 per 1000	
Ivory, 4-in. pots	6.00
Golden Gate, 4-in. pots . .	6.00

Guaranteed free from eel worms.

JAMES E. BEACH,
2019 Park Av., Bridgeport, Conn.

Mention the Florists' Exchange when writing.

5000
American Beauty
ROSES.

Very choice young plants in 2½ in. pots, $4.00 per 100. All plants shipped from Hinsdale, Ill.

BASSETT & WASHBURN,
76 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing

A FINE LOT OF

AMERICAN BEAUTY

Plants from 2½-in. pots,

ready for planting or shifting,
$6.00 per 100.
$50.00 per 1000.

EMIL BUETTNER
PARK RIDGE, ILL.

Mention the Florists' Exchange when writing.

HARDY AND OTHER ROSES from 4 or 5 in. pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2-year, from 5 in. pots, 18cts.; 1-year from 3 in., 9 cts., **Clematis Paniculata**, from 5 in. pots, 10 cts. Extra, from 6 in., 25 cts. **Ampelopsis Veitchii**, from 3 in. pots, 5 cts.; from 4 in., 10 cts.; from 5 in. pots, 15 cts. Packing free for Cash.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

LOOK! LOOK! LOOK!

15,000 Rose and Vincas

CLEAN. HEALTHY. STRONG.

Fine stock of Bride and Bridesmaid Roses from 3 in. pots, $4.00 per 100; $35.00 per 1000. 500 at 1000 rates. Nice lot in 2 in. for shifting, $25.00 per 1000. **Vincas** 2½ in., $2.50 per 100; $22.50 per 1000. Fine for baskets or planting for stock.
Cash with order.

W. T. HILLBORN, 'Florist,"
Newtown, Bucks Co., Pa.

ROSE PLANTS

Good, clean, strong plants from 2½-in. pots.

	Per 100	Per 1000
Bridesmaid	$3.00	$25.00
Bride	3.00	25.00
Meteor	3.00	25.00
American Beauty, 3 in. . .	7.00	65.00
" " 2 in. . .	5.00	45.00

We guarantee these to be first-class and right in every way. Give us a **trial order.**

Lake View Rose Gardens.
JAMESTOWN, N. Y.

FINEST
Forcing Stock

ROSES, 2 1-2 in. pots.

BRIDE, $2.50 per 100; $22.50 per 1000.
BRIDESMAID, $2.50 per 100; $22.50 per 1000.
Finest stock of **CANNAS**, from 3 in. and 4 in. pots, all the leading varieties, $2.50 and $3.50 per 100.

CHOICE GERANIUMS

2¾ in. pots, $2.50 per 100; $20 00 per 1000

Jean Viaud, Wonder Ricard, Atlantis, Mme. Bruant L. Swartling, Granville, Mrs. J. M. Garr, Madonna, Gen. Dodds, Ben. Schroeder, Columbia, W. L. Gunn, Souv. de Miranda, La Vienne, Princess Alix, Mme. St. Paul Bridoux, Emile de Girardin, Heteranthe, Dr. Blanche, Bucharles, S. A. Nutt, White Swan and La Contable.

Beautiful RUBBER PLANTS

Fine, 4 in. pots, $4.00 per doz.

NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

Meteor Rose Plants

These plants are guaranteed choice stock.

3½-in., $4.50 per 100; $37.50 per 1000. Will exchange Meteor for good Bridesmaid and Bride. Cash with order, unless party is known.

BRANT & NOE,
W. Peterson and N. 48th Aves., **CHICAGO, ILL.**

Mention the Florists' Exchange when writing.

ROSES, 2¼ inch pots

	Per 100	Per 1000
Bride . . .	$2.50	$20.00
Bridesmaid	2.50	20.00
Golden Gate . . .	2.50	20.00
CARNATIONS from flats		
Mrs. F. Joost	$2.00	$15.00

GEO. W. WATERFIELD. Chestnut Hill, Phila. Pa

Mention the Florists' Exchange when writing.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes

Write us for prices before ordering elsewhere.

ALSO MODEL EXTENSION CARNATION SUPPORT

IGOE BROTHERS, 226 North 9th St., Brooklyn, N. Y.

Mention the Florists' Exchange when writing

AMERICAN BEAUTIES

Young Plants from 2 by 3 inch Rose pots, ready to send out, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, WYNCOTE, PA.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

QUEEN OF EDGELY, Pink American Beauty, 2½ in., 3 in.;
Sunrise, 2½ in., 3 in; American Beauty, 2½ in., 3 in.;
Liberty, 2½ in., 3 in. NO SAMPLES SENT.

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

Plants from 2½ inch Pots.

	Per 100	Per 1000
American Beauty, bench plants, cut down to 12 inches high.	$5.00	$40.00
American Beauty, 5 in.	7.00	65.00
Meteor, 3½ in. pot plants. . .	4.50	37.50
Ivory, 2 in., $3.00 per 100; $25.00 per 1000.		
Golden Gate	$2.50	$20.00
Sunrise	7.00	65.00
Liberty, 3 in. pots, very fine stock	10.00	80.00
Perle, 3 in. pots	5.00	45.00
Ivory, 3 in., $5.00 per 100, $45.00 per 1000.		

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.
We do not sell less than 50 plants of any variety. No plants sent by mail

PETER REINBERG, 51 WABASH AVE.
CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Liberty, Ivory
Golden Gate

A limited quantity of grafted plants, out of 4-inch pots. Also some own rooted plants of Liberty, out of 3-in. pots. Prices on application

E. G. ASMUS, West Hoboken, N. J.

Mention the Florists' Exchange when writing.

GRAFTED ROSES

Our Grafted Roses are fine, bushy plants, grown in 3½ inch and 4 inch pots, and are the best that can be produced.

LIBERTY and IVORY, $18.00 per 100.

BRIDESMAID, BRIDE, GOLDEN GATE, $15.00 per 100.

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

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Orders from unknown parties must be accompanied with cash or satisfactory references.

Contents.

PAGE
A Bed of Evergreen (Supplement) 726
American Seed Trade Association 719
Canadian News 731
Changes in Business.............. 726
Cœlogyne Dayana (Illustrated)..... 729
Croton, The, as a Bedding Plant.. 729
Farmers Becoming Violet Growers 726
Firms Who Are Building........... 727
Government, The, Sued............. 727
Grass, a, for Shaded Situations.... 729
Hill, G. G., Sees Oregon Roses..... 727
Inventions, New 727
Market, Review of the.............. 731
Milwaukee Parks (Illustrated)..... 728
Nurserymen, The, and His Customers 726
Nursery Department 718
OBITUARY:
  George Thompson, A. C. Williams 727
Passing of an Old Landmark...... 727
Plant Diseases in U. S., 1902....... 726
Plant Notes from Riverton, N. J... 728
Question Box 729
Rose Gruss an Teplitz.............. 729
Rose, Liberty, House of (Illus.).... 730
Seed Trade Report................... 717
TRADE NOTES:
  Chicago, New York, Philadelphia, St. Louis 730
  Paterson, N. J........................ 731
  Boston, St. Paul, Utica............ 734
  Baltimore, Buffalo, Cincinnati, Cleveland, Indianapolis, Minneapolis 735
  Newport, R. I.; Norwalk, Conn... 737
Trees and Shrubs, Summer Pruning of 722
Vick, Charles H. (Portrait) 719

Unless a more decided interest is shown in the Saratoga Floral Association and in the floral fete by the residents and hotel men of the village, it is very probable that no fete will be given in September this year.

The rainfall for the 23 days of this month is 4.57, while that of last June for the full month was 3.84 inches. The precipitation in June, 1887, was 7.70 inches—the record.

Through the courtesy of Park Commissioner Jesse E. Northrup, we have received a copy of the Twentieth Annual Report of the Board of Park Commissioners of Minneapolis, 1902.

A fourth edition of Professor Weed's very useful book on "Spraying Crops" has just been issued by the Orange Judd Company, New York. The contents have been rewritten and the work greatly enlarged. The book is profusely illustrated.

THIS WEEK'S SUPPLEMENT.

A Bed of Evergreens.

A bed of evergreens can be made as attractive as one filled with flowering plants by a careful selection of stock with different colored foliage. Here is one before us which contains but one variety, and that the common Retinospora plumosa; yet the bed, with its setting of ivy, and its general surroundings, is so pretty, that we had it photographed as an illustration of one nicely placed. Were the bed in some positions it would appear very commonplace instead of the pleasing object it is.

The edging surrounding the evergreens is of ivy, a plant admirably suited for the purpose. It is the green-leaved sort. Sometimes the variegated ivy is used. Both kinds do well when near the ground, not getting injured in Winter, as they sometimes do when running up walls and similar places. By close pruning when young, and yearly afterward, the ivy becomes a close hedge; and for the purpose employed here there is nothing better. Where an upright, hedge-like edging is required, the variegated althæa is the thing to use. It is planted a great deal about Philadelphia, where this photograph was taken. It, too, trims well, and many pretty effects have been created in some of the parks by its use.

Beds such as the one pictured are not permanent. In a year or two something else is substituted for the contents to give variety to the plantings.

The large evergreen to the left of the bed will be recognized as a Nordman's fir, Picea Nordmanniana, one of the most useful and beautiful of evergreens. As hardy as it can be, it transplants well; and no matter how inclement the weather in Winter, the Spring finds the tree of the same dark lustrous green it displayed in the Fall. It would be a great blow to gardening were we deprived of the Nordman fir. The one seen in the picture is not as perfect as usual. Generally the lower branches sweep the ground.

Back of the bed will be observed a portion of a fine avenue of pin oak, Quercus palustris. This avenue was planted about 30 years ago, and its beauty at this day is generally appreciated. The trees are touching now; yet for many coming years they will be objects of beauty. Were it not that shade is so much desired, it would be well to take out at this time every other tree; but the authorities probably think 30 years long enough to wait for the perfection attained. Wherever planted, the pin oak pleases. In the first place, it transplants with as little trouble as a maple, no other oak doing as well, save the bicolor. Then there are its pretty green, finely divided leaves, which change to a partly scarlet color in the Fall. As they gain height, the lower branches change direction, becoming drooping, as may be seen in the illustration. And to be added to all is the general character of all oaks, viz., freedom from insect attacks.

Taking into consideration the position of the bed, the background of evergreens and of oaks, the picture is one all can admire for its beauty and its lessons.

JOSEPH MEEHAN.

CHANGES IN BUSINESS.

GREEN BAY, WIS.—Ed J. McCormick has purchased the greenhouse and business operated under the name of G[illegible]fron & De Clerc for the past three years.

CHICAGO.—The Glen View Floral Company has been incorporated, capital $3,000, object, dealing in flowers and farm products, incorporators, Maurice W. Barnham, Hans P. Garhardt, James P. Gascoigne.

OZONE PARK, L. I.—The Ozone Park Nurseries have started in business here as growers and importers of nursery and florists' stock. Particular attention will be given to such goods as hardy roses, of which the concern has now a large supply, and azaleas, rhododendrons, boxwood and bay trees will be specialties. Forty acres of ground have been leased here for the firm's purposes. The concern is composed of Edwin Webber and Charles Ittinger, with C. B. Knickman, as manager. Mr. Ittinger is a practical florist and nurseryman and Mr. Knickman is well known to the trade, having for many years been associated as traveling salesman with some of the leading nursery and florist houses of the United States.

The Nurseryman and His Customers.

J. H. Hale, of Glastonbury, Conn., is a man of ideas, possessed of a great deal of that very necessary element in business known as common sense, and when he talks upon any subject his words are generally vested with a practical ring that renders them worthy of attention and a pleasure to listen to. At the recent meeting of the American Association of Nurserymen held at Detroit, Mr. Hale gave his hearers some sound advice on the relations of the nurseryman and his customers. Among other things he said—and his language changed to suit the altered conditions will apply with equal force to the florist as to the nurseryman.

"To be sure, many nurserymen at the present time do not know as much about varieties, suitable locations, methods of culture, marketing, etc., as they ought. The demand for cheap trees and plants has forced them to hustle in the production of the greatest number of trees and plants at least possible cost, and the average customer is not willing to pay for anything but the bare cost of the trees. And so it is that there are far too many nurserymen who could not tell at sight the fruit of many of the varieties they propagate. The vast majority of nurserymen are honest, careful men, yet being human, they do make mistakes, and when once a mistake is made the continued propagation by taking buds and scions from the nursery row increases the error, and we are sending out mixed varieties, causing no end of trouble, both to the nurserymen and planter.

"It may cost a trifle more to take buds and scions only from fruiting trees of known value, but it insures purity and tends to breed up rather than down. My orchard interests being greater than my nursery interests, I know and feel this from the planter's point of view, and I am sure there is a generation of planters growing up who will gladly pay any extra cost of propagation to the nurseryman who will always propagate from fruiting stock.

"An experimental and test field and orchard is a very expensive adjunct to a nursery, but it is an absolute necessity where one has not other means of keeping fully posted as to varieties. Our agricultural experiment stations are doing considerable of this class of work, yet ought to do ten times as much as most of them are now doing, and do it better too, and if they have not funds enough to fully do the work it is our duty to see that our legislatures make more liberal appropriations, and also our duty to furnish the stations freely with samples of all new plants and trees, a few years before introduction, if possible. This might somewhat hinder the sale of the great Hunkedory pear, Bouncing Bet strawberry, or Aaron's Dewy rose, yet be of real encouragement and value to intending planters and to the business interests of the legitimate nursery trade. I have known in a few instances in the past that plants, buds and scions have passed out of the hands of the experiment station people without proper authority. To my notion the planter or nurseryman who gets his stock that way is not on the road to success, and will never cut much figure in the market. Frequent visits to fruiting fields and orchards of successful cultivators will supplement the information obtained from our own test plots and those of the experiment stations, for the nurseryman should be a walking encyclopedia of horticultural information, always on tap for the benefit of his own customers and those of the other fellow too.

"The more horticultural information we can circulate, the larger and better will be our business. One of the largest items of expense in my office is the correspondence on horticultural topics that do not pertain to the nursery sales, and I count it profitable advertising to furnish information to all who inquire, even to the extent of explaining how to prune, plant and care for a lot of trees bought from another nursery. There is something wrong in a nursery that is always seeking new customers; old customers should be our best ones, and will be if care is taken to always give them the best stock you have, and never sell them a variety you would not plant yourself.

"Nothing pleases a man more than to show his friends his lawn, garden, field or orchard giving satisfactory results of bloom or fruitage, and if by judicious advice in planting you have started him on the road to success, the fruitage of his plants and trees and his constant talk are all in your favor, a standing advertisement, 'fully illustrated, top of column next to reading matter.'"

As regards experiment station work for and on behalf of the florist trade, it is unfortunate that more of it has not been done, and that that accomplished has not been of a more satisfactory character. This condition is in part the result of inadequate facilities for the conduct of the operations, lack of expert workers, and largely owing to what has been called the "tag ends" of stock having been supplied the stations for experimental purposes. The remedy for this latter drawback lies wholly with the plantsmen themselves: that for the securing of a sufficient working plant and necessary appropriations to carry on same may come from concentrated agitation on the part of the trade. The engagement of practical men to conduct the experiments is in the hands of the various stations, and will follow the greater liberality of the different States on behalf of the florists located therein.

In view of the importance and necessity of the experiment station to the industry, all these things seem worth working for.

Plant Diseases in the U. S. in 1902.

The Year-book of the Department of Agriculture for 1902 contains the following information relative to diseases of greenhouse and ornamental plants last year:

"In New England and the Eastern States greenhouse crops, like carnations, lettuce, etc., have during recent years been increasingly injured by stem-rot (Rhizoctonia, etc.) and wilt diseases (Fusarium). These were again prevalent this year, but are now successfully controlled by many growers, who sterilize their soil by steam under high pressure. It is noteworthy that this practice is becoming quite general among greenhouse men and others on account of the great gain resulting. Chrysanthemum rust is reported as bad in Maryland, Ohio, and North Carolina, but was not so abundant in Massachusetts. The aster wilt (Fusarium) was widespread and destructive, not only in the East, but also in Nebraska and North Dakota. The Massachusetts station has published the results of investigations by R. E. Smith on this disease and on the troublesome yellows disease of the aster. Hollyhock rust was bad in New York. Rose mildew (Sphœrotheca) has been troublesome in Mississippi, Georgia, North Carolina, and other Southern States. Other complaints received were of phlox and rose mildew from Kentucky, carnation rust and verbena mildew from North Carolina, black spot of rose from Nebraska and Idaho, and violet leaf-spot from Connecticut. A serious injury to roses at Woods Hole, Mass., resulted from the fumes of burning tarred roofing. The foliage was shriveled or fell off and the plants were otherwise injured. The Massachusetts courts allowed $20,000 damages to the owners."

Farmers Becoming Violet Growers.

In one of its recent issues, the New York Herald published a story to the effect that "farmers near Red Hook, N. Y., are neglecting their farm crops to grow violets." A correspondent of the Rural New Yorker, who is evidently anxious to join the throng, inquires of that periodical as to the truth of the statement. The question is answered by another contributor to the Rural as follows:

"It is to a great extent as the New York Herald states, this being the case at Rhinebeck and vicinity. As I understand it, there are something like 100 violet houses at present, and 50 new houses are building this Spring. As to the farmers neglecting their crops and going into violet culture, I do not believe that to be so, although quite a number of them are erecting houses. But I will tell you what they are doing; and that is, supplying the Rhinebeck violet growers with soil for their houses and they get a large price for their soil. It seems that the Rhinebeck soil is well adapted for that purpose, more so than the soil up here—about seven miles from Rhinebeck."

In our opinion, that farmer is the most sensible man who sticks to supplying soil at a "large price."

A discouraged editor, in a fit of desperation, dashed off the following:

The wind bloweth, the water floweth, the farmer soweth, the subscriber oweth, and the Lord knoweth that we are in need of our dues. So come a-runnin', ere we go gunnin'! This thing of dunnin' gives us the blues.—Ex.

The Passing of an Old Landmark.

The old-established florist and nursery plant conducted by Gabriel Marc & Co., at Woodside, L. I., has been discontinued. Charles J. Marc, the owner, has sold the property, the greenhouses are being dismantled and removed, part to the place of John Snyder, lately foreman here, and now in business for himself at Twelfth avenue, Astoria, and part to other local craftsmen. Mr. Marc will locate for a short time at Laurel, Md., finally making Washington, D. C., his home.

The founder of the business, Gabriel Marc, a Frenchman, was one of the pioneer American florists and nurserymen. He began operations in the early forties, at the old village of Bloomingdale, N. Y., having as his confreres Mantell, Boll, Bridgeman, Hogg, Donati, and others of the men who laid the foundation of New York's floral industry. Later on he removed to Astoria, subsequently settling at Woodside, L. I., when the country round was a forest tract, from which latter fact the then hamlet was named. In one year some $3,000 worth of timber was cut on the Marc estate, and sold for shipbuilding purposes to contractors at Greenpoint, L. I. The ground was finally got in shape for florist and nursery uses, and a one time large business was carried on.

Gabriel Marc imported extensively such stocks as tree roses, camellias, etc. Every year he made a visit to European nurseries, and when his importations arrived in the United States he traveled in the eastern and southern States from Portland, Me., to New Orleans, introducing his specialties into commerce. In those days horticultural advertising was unknown, and personal solicitation by sample the only means of trading. Many of the now well-known southern camellia trees were planted under Mr. Marc's direction. When that old-time favorite was at the height of its popularity, sometimes a dollar a bloom was received for the flowers at Christmas. A sale of 300 camellia blossoms for $300.00 to the late W. C. Wilson for a Christmas order in New York was one of the largest on record. Even the fallen petals were precious, being collected under the bushes, wrapped in cotton batting, and afterward wired by Wilson for use in his made-up work.

The large camellia trees at Woodside, relics of former trade and treasure, have all been disposed of by Charles J. Marc to local purchasers.

The elder Marc also imported verbenas largely, and sales of a dollar a plant of these are among the pleasant memories of his son.

Charles J. Marc has been engaged in the florist business over forty years, and having disposed of the Woodside property advantageously, he retires to enjoy a well-earned rest.

E. G. Hill Sees Oregon Roses.

"Portland is the only place I have struck since leaving home that I would like to remain in." This was the remark of E. G. Hill, of Richmond, Ind., a horticulturist well known to most rose growers of this city, who arrived here a few days ago on a tour of the Coast. He had heard of the beauty of Portland roses, and the first thing he did after getting here was to look about town and visit some of the principal rose growers. He was fortunate in arriving just after the rain and so found the roses in good condition. He was taken out by James Forbes to visit Riverview Cemetery and the places of Charles E. Ladd and W. S. Sibson, and so had an opportunity to see the best roses to be found in Oregon. He was delighted and said he had never seen such beautiful roses before, though he had traveled through England and France when the roses were at their best and had come through Southern California on his way here. Of Mr. Sibson's flowers he said: "I have never seen such a hedge of La France roses, even in France, and as for the Caroline Testouts, the man who originated that variety never had any such on his place." The foliage on the trees and shrubs in the cemetery and the vivid green of the grass Mr. Hill considered perfectly wonderful.—Portland Oregonian.

Obituary

George Thompson.

On June 16, George Thompson, of Louisville, Kentucky, died of the infirmities of old age. Mr. Thompson was in his 74th year. He was born in England and learned his trade there, coming to Louisville 55 years ago to take charge of the Richardson place. Thirty years ago he started in business for himself and, later, he took his sons into partnership with him, the business being conducted under the firm name of George Thompson & Sons. About 12 years ago the deceased retired from business. He leaves the following children: George Thompson, who operates the business under the old firm name, John Thompson, who is superintendent of parks at Watertown, N. Y.; S. J. Thompson, of the firm C. B. Thompson florists of Louisville, and a daughter, the wife of Charles Schleeter, also a local florist.

Mr. Thompson was always popular with the members of the craft, and his funeral was largely attended by his brother florists. A. R. B.

A. C. Williams.

Alva C. Williams, who for the past four years had conducted a seed and fertilizer business in Louisville, Ky., died there on June 17. He was born near O'Bannon and was 51 years of age.

New Inventions.

AN ADJUSTABLE PLANT SUPPORT AND POT HOLDER.—H. C. Chessman, of the firm of Chessman & Schepman, Richmond, Ind., has invented, and made application for a patent for an adjustable plant support and pot holder. A local paper thus describes the contrivance:

"The plant support consists of a double corrugated wire standard, with sufficient anchorage to hold the support in a firm and upright position when placed in the bench. On this upright are placed at intervals a corrugated ring so constructed that it can be adjusted to any desired height, and when so placed is firmly held at right angles with the standard. The corrugated ring is cut opposite the standard and provided with hooks and loops so that the ring can be adjusted to any desired size, thus accommodating itself to the plants when small, and as they grow larger the ring can be made larger to correspond. The hooks or loops are so constructed that when properly placed and locked they cannot come apart until released and unlocked, which can be done in an instant.

"The above described invention is really two patents in one, as the corrugated rings are also used as pot holders, and can be adjusted to any desired size of pot, thus converting any pot plant into a hanging basket plant. A hanger is provided that hooks into the ring, and when properly placed the more weight there is on the hanger the tighter the ring becomes locked and impossible of becoming displaced until removed from the pot and unlocked, which can be done in an instant. The expense of the pot hanger is trifling compared with the results obtained."

FIRMS WHO ARE BUILDING.

McPHERSON, KAN.—Chas. Simonson will build an addition to his greenhouse.

WHITESTONE, N. Y.—G. Gebhart's Sons will build four greenhouses 27½x111 feet.

GYNEDD, PA.—Thomas Foulds is making some needed improvements at his greenhouse establishment. All the houses will be reerected and one house widened to 27 feet.

IRONWOOD, MICH.—Maurice Geary is building a greenhouse and salesroom west of his store. Mr. Geary contemplates adding to the present facilities as fast as the demand warrants it.

WHITE MARSH, MD.—R. Vincent Jr. & Sons are covering with glass a ground surface of an acre, in which space they will grow vegetable plants. No benches will be used and the ground will be cultivated with the plough.

PATCHOGUE, N. Y.—Frank Nequet is building two large greenhouses on his Medford avenue property. They are 36x160 feet. Mr. Nequet will remain here and give his attention to the growing of carnations for the New York market.

The Government Sued.

Preliminary steps are being taken for the hearing by the Court of Claims of the suit brought against the Government by the legal representatives of Arthur C. Nellis, of New York, for the payment of $18,000 claimed to be due him for furnishing seeds to the Department of Agriculture during a recent fiscal year. Nellis, who is said to be the manager of the New York Market Gardeners' Association, with headquarters at 39 and 41 Cortlandt street, New York City, was the contractor for furnishing the seeds for which Congress appropriated $108,874 but the sum of $14,000 was withheld by the department because of the alleged failure of the contractor to carry out the terms of his contract to the satisfaction of the officials.—N. Y. Times.

One of the interesting exhibits that may be seen in the Horticultural Department at the Louisiana Purchase Exposition at St. Louis, next year, will be the fruits fresh from South Africa. The managers of fruit farms of the late Cecil Rhodes at Cape Town have announced their intention of placing fresh fruits on exhibit each week. Even in London this feat has never been undertaken.

Advertiser's Correction.

Lakeview Rose Gardens, Jamestown, N. Y., says the two-inch and three-inch Bride Rose plants, quoted in last week's advertisement, should have been American Beauty. Corrected advertisement appears in this issue.

INDEX OF ADVERTISERS

Agnew P J 724
Allen J K 733
Amling E C 735
Andorra Nurseries 718
Anderson & Christensen 721
Aschman G 723
Asmus E G 725
Austin H 718
Atlantic Coast Nur 718
Bader J 720
Baker W J 734
Barrows H H & Son 721
Bassett & Washburn 721
Bayersdorfer H & Co 738
Beach Jas E 724
Beaulieu H 717
Beckert W C 717
Berning H G 735
Berger H H & Co 716
Blaauw J & Co 718
Blue Hill Nurs 718
Bobbink & Atkins 715
Bock W A 721
Bonnot Bros 733
Boston Letter Co 734
Bradshaw & Hartman 733
Brant & Noe 725
Brill F 717
Brown Bros Co 718
Brown E C & Co 736
Brown P 723
Buettner Emil 725
Burpee W A & Co 716
Burki F 724
Byer Bros 724
Caldwell the Woodman 732
Cal Carn Co 717
Carmody J D 715
Chicago Carn Co 720
Chinnick W J 724
[illegible] 732
Clucas & Boddington 715
Coldwell Lawn Mower Co 738
Conard & Jones Co 720
Coolidge Bros 732
Cottage Gardens 720
Cowee A 716
Cowee W J 732
Cowen's N Sons 736
Crabb & Hunter .....72[illegible]
Craig R & Son 720
Crooke J J Co 732
Crowl Fern Co 732
Cunningham J H 724
Cut Flower Ex 733
Davis A B & Sons 717
[illegible] J B .....7[illegible]
Deming Co 736
Dietsch A & Co 738
Diller Caskey & Co 737
Dillon J L 725
[illegible] Mfg 737
Dimmock A 721
[illegible] H P 724
Dorner F & Sons Co 720
Doughty J 720
Dreer Hy A 718
[illegible] & Co 734
Du Rie W B 718
Eichholz H 732
Eisele C 738
Eisele J G 724
Elizabeth Nurs Co 717
Elliott W & Sons 716
Elliott W H 715
Emmans Geo M 721
Endtz Van Nes & Co 718
Farquhar R & J Co 724
Felthousen J E 724
[illegible] J H 732
F & F Nurseries 718
Flex Glass Mfg Co 736
Florists' Hail Assn 736
Foley J J 732
Foley Mfg Co 737
Foster L H 721
Freeman J R 724
Garland G M 737
German Seed & Plant Co 717
Ghormley W 733
Giblin & Co 738
Gunther W H 733
Guttman A J 733
[illegible] Bros 721
Hagenburger C 724
Hammond J A 733
Harris E 720
Heacock Jos .....720-2[illegible]
Henderson P & Co 721
Herendeen Mfg Co 738
Herr A M 721
Herr D K 720
Herrmann A 738
Herzog W S 720
Hews A H & Co 736
Hicks & Crawbuck 733
[illegible] Bros .....73[illegible]
Hill E G & Co 735
[illegible] W J 725
[illegible] E 736
Hitchings & Co 738
Holton & Hunkel Co 735
Horan E C 733
Hort Advertiser 736
Howe J H 737
Hubert & Co 716
Hughes G J 720
Hunt E H 735-36
[illegible] Bros 725
Jackson & Perkins Co 716
[illegible] S A & Sons 737
Jennings E B 716
[illegible] Gardens 718
Johnson & Stokes 717
[illegible] H T 718
[illegible] W [illegible] 723
[illegible] C H 723
[illegible] W [illegible] 734
[illegible] 721
[illegible] 738
[illegible] & Co 718
[illegible] J J 732
Kroeschell Bros Co 736
Lager & Hurrell 721
Lakeview Rose Gardens 725
[illegible] D & Sons 716
Lang J 733
[illegible] A H 733
[illegible] M [illegible] 724
[illegible] N 716
[illegible] 720
[illegible] C 736
[illegible] Seed Co 736
[illegible] Co 737
Lord & Burnham Co 737
[illegible] 724
Mader P 724
Manhattan Sup Co 723
[illegible] 717
[illegible] 732
[illegible] 732
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....71[illegible]
[illegible] .....7[illegible]
[illegible] 718
[illegible] 718
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]2
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
Pittsburg Cut Flower Co .....7[illegible]
[illegible] .....7[illegible]
Quaker City Mach Co 736
[illegible] 724
[illegible] .....71[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]2
[illegible] .....72[illegible]
[illegible] 737
Riedel & Spicer 733
Robinson H M & Co 732
[illegible] 723
[illegible] A & Son 721
[illegible] .....72[illegible]
[illegible] 716
[illegible] W H .....72[illegible]
[illegible] .....73[illegible]
[illegible] 721
[illegible] J [illegible] 718-24
[illegible] 716
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] 717
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] 732
[illegible] .....7[illegible]
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] 724
[illegible] .....7[illegible]2
[illegible] 724
[illegible] .....72[illegible]
[illegible] .....72[illegible]
[illegible] .....7[illegible]
[illegible] .....7[illegible]
[illegible] W & [illegible] .....7[illegible]
[illegible] J 720
[illegible] & Schenck .....7[illegible]
Vanhorne, Griffen & Co 738
[illegible] 716-17
[illegible] W J & M S 721
Vick's Jas Sons 716
Vincent R Jr & Son 718-32
[illegible] C W .....72[illegible]
[illegible] C S & Co .....73[illegible]
[illegible] H & Sons 732
[illegible] Bros 722
[illegible] & Don 717
[illegible] Bros 734
[illegible] H 721
[illegible] Pottery Co .....73[illegible]
[illegible] Bros 735
[illegible] the [illegible] Co 735
Wood Bros 724
Young J 733
Young & Nugent 733
[illegible] O V 717

INDEX OF ADVERTISEMENTS

PLANTS, SEEDS, BULBS, FLOWERS

Abutilon .....715-21-[illegible]
[illegible] 724
Ageratum 720-24
Alpine Plants 718
[illegible] 724
Alyssum .....715-2[illegible]
[illegible] 724
Araucarias 716
[illegible] .....7[illegible]
[illegible] .....71[illegible]-2[illegible]
Asparagus .....720-21-24-[illegible]
Aspidistra 716
Asters .....721-2[illegible]
Azaleas 718-21
Bedding Plants 724
Begonias 724
Bougainvillea 724
Box 715-18
Bulbs (not specified) .....715-16-17-[illegible]
[illegible] 718
Caladium 715-18-24
[illegible] 716-17
Callas 717
Cannas .....715-17-20-21-24, 32-[illegible]
Carnations 720
[illegible] 724
Chrysanthemums .....720-21-24-32-[illegible]
[illegible] .....71[illegible]-16-1[illegible]-20
[illegible] .....718-21-2[illegible]-[illegible]
[illegible] .....724-[illegible]
[illegible] .....720-2[illegible]-24-[illegible]
[illegible] 718
Crotons 720-24
[illegible] 724
Cut Flowers .....7[illegible]-3[illegible]-3[illegible]
Cycas 716-17-23
Cyclamen 720-24
[illegible] 724
[illegible] 717
[illegible] 715-17-32
[illegible] 715-16-23-24
Decorative Plants 720-21
Deutzia 718
Dielytra 718
[illegible] 718-20-21-38
[illegible] 738
[illegible] 738
Fern Balls .....715-16-17-2[illegible]-2[illegible]
Ferns .....71[illegible]-21-23-24-[illegible]
Feverfew 724
Ficus 715-21-25
[illegible] 716-17
[illegible] .....715-24-[illegible]
[illegible] 715
Gardenia 715
[illegible] 724
[illegible] .....715-17-20-21-2[illegible]-24-25
[illegible] 716
Heliotrope 724
Herbaceous Plants 718
[illegible] 724
Honeysuckle 724
Hydrangeas .....715-18-21-[illegible]
[illegible] 724
[illegible] .....721-[illegible]
Iris 718
Ivy .....715-18-21-24-25-[illegible]
[illegible] .....721-[illegible]
Laurus .....71[illegible]-[illegible]
[illegible] 721
[illegible] 718
[illegible] 715-16-17-18
[illegible] 715-23
Moss 715
[illegible] .....72[illegible]-[illegible]
[illegible] 717
Nursery Stock 718
Orange 724
Orchids 721
Oxalis 716
Palms 715-16-17-18-20-21-24
[illegible] 715-21
Pansy .....715-16-17-20-2[illegible]
[illegible] 718
[illegible] 721
[illegible] 718
[illegible] 724
[illegible] 715
[illegible] 724
[illegible] 715-16-17-20-24
Privet 718
[illegible] .....7[illegible]
Rhododendron 718-21
Roses .....715-18-20-21-2[illegible]
Salvia 720-24
[illegible] .....7[illegible]2
Seeds (not specified) .....716-18-[illegible]
Shrubs 718
Small Fruits 718
Smilax .....715-16-21-24-[illegible]
[illegible] 724
[illegible] .....7[illegible]
Stevia 724
[illegible] .....7[illegible]
[illegible] .....7[illegible]
Sweet William .....72[illegible]
Trees .....718-2[illegible]
[illegible] .....7[illegible]
[illegible] 715-17
[illegible] .....71[illegible]-18-24
[illegible] .....72[illegible]-24-32
Vinca 715-20-24-25
[illegible] .....71[illegible]-[illegible]
[illegible] .....72[illegible]-2[illegible]-2[illegible]
[illegible] 718
Yucca 718

MISCELLANEOUS

Ad Words .....7[illegible]2
[illegible] .....7[illegible]4
Boilers 736-38
Books 732
Collections 736
Cut Flower Boxes .....73[illegible]
[illegible] .....732-[illegible]
[illegible] .....734-3[illegible]-3[illegible]
[illegible] 732
[illegible] 737
Floral Photographs 732
Florists' Supplies .....7[illegible]
Flower Pots .....734-[illegible]
[illegible] .....732-3[illegible]
[illegible] .....7[illegible]
Glazing Points .....732-3[illegible]
Greenhouse Bldg 737-38
Gutter 737
[illegible] .....7[illegible]
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The Parks of Milwaukee.

The inauguration of the park system of Milwaukee is of comparatively recent date, dating from 1889. In that year, through the instrumentality of a number of citizens, a law was passed to establish the system. It allowed the five commissioners to be appointed by the Mayor and to serve without compensation, one hundred thousand dollars in bonds for the purchase of sites. The law was found inadequate in many respects, and new legislation was obtained in 1891, followed by other enactments covering the financial and tax questions.

Lake Park comprises 130 acres and occupies a promontory on the lake shore, some 100 feet above the water; it commands a fine view of the bay. River Park contains 24 acres. It is located on the Milwaukee river and is a popular resort. Several mineral springs add to the attraction of this park.

West Park is situated at the extreme western end of the city between Vliet and Pabst avenues and Fortieth and Forty-seventh streets. It contains 124½ acres. The special features of this park are its magnificent driveways, its lake and wooded island, its aquatic gardens, its deer park, athletic grounds, picnic grounds and immense groves. The aquatic garden is one of the finest of its kind in the country. Four ponds, at varying elevations, afford fine opportunity for the landscape gardener to plant shrubbery and perennials so as to produce the most pleasing effect. Many works of his art now grace the borders of these ponds.

Mitchell Park is at the foot of Twenty-first avenue, overlooking the Menomonee Valley. It is considered one of the gems among Milwaukee's many beauty spots. Its giant trees, fountain, artificial lake, fine pavilion and immense conservatory are its attractions.

South Park is at the extreme southern end of the city, between Logan and Howell avenues. It is a favorite retreat for family picnics, and has a spacious dancing pavilion, also a magnificent lily pond.

Lincoln Avenue Park, on the south side, is another favorite resort. It has a fine pavilion, beautiful fountain, an artificial lake and splendid trees.

North Park, formerly known as Perrigo Park, is located at Burleigh and Forty-third streets.

Milwaukee has always been noted for its magnificent streets and the fine roads running out into the surrounding country. Nature, with the assistance of art, has provided most charming thoroughfares. Among such for pleasure driving are Grand avenue, Prospect avenue, Juneau place, Newberry Boulevard, Highland Boulevard and the parks.

GRAND AVENUE BOULEVARD, MILWAUKEE.

Plant Notes from Riverton, N. J.

The genus Hemerocallis, with one exception, viz., H. aurantiaca major, may be classed among the hardiest, best and most satisfactory perennials grown. They are easy to cultivate, their requirements being simple; but they pay for a little care though. They vary in both habit and flower from the narrow grass-like foliage of H. graminea or minor to the wide bold foliage of the fulva section, the flowers varying in color from the tawny brown of fulva through various shades of yellow to the rich orange of aurantiaca major. There are both double and single forms of the flowers, but the single ones are the more graceful. Nearly all are fragrant, and although as a cut flower they seem short-lived, the unopened buds expand and open in water.

Of late years numerous new varieties from various sources have been placed on the market, but whether there is room for any increased number of varieties in this section seems to be a disputed point. The hybrids that have so far been tried at Riverton vary only in minor differences, and unless their season can be decidedly lengthened I don't see room for a multiplicity of varieties. The ground is now pretty well covered.

H. Dumortieri was the first to bloom here, opening its flowers the first week in May. This is a very desirable variety; when well established it is exceedingly attractive with its numerous orange yellow flowers so profusely produced; Middendorfiana, a quite distinct variety, flowers a week later.

H. flava comes some two weeks later. Fulva is now in its prime. Kwanso and Kwanso flore-pleno blooms in July and August. When these are nearly past, then Thunbergi takes up the tale. But flowering in all cases can be materially retarded by simply lifting and keeping the plants in a dormant condition in the early Spring months.

The new varieties tried are aurantiaca. This is an exceptionally good and distinct sort, quite hardy and a good robust grower. In general appearance it seems almost intermediate between fulva and flava, but much more attractive in the color of the flower, which contains but a small shade of the coppery brown of H. fulva.

H. aurantiaca major is perhaps too well known to need any description. It is the best one by far to date, and is worthy of any care bestowed upon it. I think the best method of caring for it is to lift it in the Fall and store it away in a cool cellar from which frost is almost excluded. It will stand several degrees of frost if it is kept in a rather dryish soil or sand, but the least exposure to air or water in this condition has proved fatal to it with me. I have also wintered it in a cold frame heavily protected with straw and a sash over the straw.

H. luteola, sent out by an English firm, is an hybrid between H. Thunbergi and H. aurantiaca major, and is said to be intermediate between the two. This has proved hardy, and where variety is required is a useful addition. It is quite free flowering and a good strong grower; the flowers are of a clear orange yellow. The same cross was made by V. Lemoine, of France, and sent out under the English name. A similar cross was made by A. Herrington, of Madison, N. J., and is now being disseminated under the name of H. Florham. All three of these hybrids are nearly identical.

H. Gold Dust is another hybrid very similar in height and size to H. flava, with, perhaps, a more decided shade of orange in the color of the flower.

H. Orangeman is perhaps a little stronger grower, with flowers of clear bright orange. These two are so near alike that I really see no room for them.

H. Sovereign is a very pretty rich orange yellow, but all of the last four named might readily be thrown together and given one common name.

H. Dr. Regel, the most recent introduction, as seen here this Spring, seems nothing more or less than a good form of H. Middendorfiana.

There are several other new varieties such as H. Flamid, which is said to be nearly a month earlier to flower than any other variety, H. apricot and H. flava major, and others.

Incarvillea Delavayi, introduced from China in 1893, is still winning its way into popular favor. And so it ought. It has stood outside here now for two Winters without any protection, and has thus proved itself entirely hardy. It is one of the most attractive plants in any garden during the early weeks of June, with its large pinnate leaves nearly 18 inches long, and its beautiful large rose red gloxinia-like flowers 2 to 3 inches long, numerously produced on each scape. The plant may be raised from seed, which should be sown in the open ground in a light porous soil in early Spring and allowed to remain in the seed rows till Fall, or the following Spring, when they should be transplanted into a good, light rich soil. A few might flower the second year, but bloom in any quantity can scarcely be looked for till the third year..

HERBERT GREENSMITH.

VIEW IN JUNEAU PARK, MILWAUKEE.

CATALOGUES RECEIVED.

W. MAUGER & SONS, Guernsey. – Wholesale catalogue of bulbs, daffodils.

SEARL & SONS, 86 King street, Sydney, Australia.—Illustrated catalogue of seeds, bulbs and plants, garden tools, etc.

QUESTION BOX

Ventilating.

(130) I have a house 100 feet long, running east and west, and I was obliged to make the south wall 8½ feet high in order to keep the boiler out of water. I find that the bench on the south side is shaded all Winter, so I wish to put glass in the side wall. Would it be best to put in ventilators, and how should it be done? There is a double gutter on the south wall.

J. F.

—The wooden wall can be removed below the plate and a false sill inserted at the height of the bed or bench. Whether a ventilator should be inserted will depend upon the width of the house, the kind of crops to be grown, and the amount of ventilation now provided. For Summer use ventilators will probably be desirable. They may be continuous or a portion of the wall may be filled in with sash bars. If sash bars are used for a part or the whole of the space, they can be put in the same as for the end of the house.

Heating.

(131) How should pipe be graded for steam? How to enter the boiler with the return pipe? Has the water line in the boiler got to be below the level of the return pipes in the houses? How is a pump used to pump the condensation into the boiler? E. S.

—The coils should always have a slight fall, say, one inch in ten feet, although less would answer. The larger mains may rise, but it is generally best to give a fall to the smaller ones. The return should enter the boiler at or near the bottom. If a gravity system is used, the water level in the boiler should be three or four feet below the bottom of the coils. If a pump steam trap is used this will not be necessary. If a steam pump is used the return water runs by gravity into a tank located below the level of the coils. From the tank a return pipe runs to the boiler and the pump is located upon this. The pump is worked by steam from the boiler.

We are thinking of changing our heating apparatus from hot water to steam. Please state what size tubular steam boiler should be used to heat 12,000 feet of glass at 55 or 60 degrees. The boiler will be set below the houses. How big and high should the chimney be? There are no overhead obstructions to draft. We have plenty of 2-inch and 3-inch pipe on hand. Would it be better to buy smaller pipe, and, if so, of what size?

OLD SUBSCRIBER.

—It will be best to use a 30-horse-power boiler with fifteen square feet of grate. The chimney should be about 18 inches in diameter and 40 feet high. I would not use any pipe larger than 2-inch for the coils. L. R. TAFT.

We have a lot of 3-inch boiler tubes, which we have been using for a hot-water flow in our old house; but we are rebuilding and adding larger houses, and contemplate putting in steam. We wish to make solid beds, and desire to know, if we cut the flows into 15-inch pieces, would they work as well for drainage as tile, or would the rust from them affect the roots of the plants? also, how close should they be placed on the floor, or how many lines to a 4-foot bed?

J. L. O'Q. & CO.

—I would not expect any injurious effect from the pipes so far as the action of the rust upon the roots is concerned, but I do not think they would be nearly as effectual as tile in draining the beds. Unless the openings between the tiles are quite wide, they would soon fill with rust. They might answer if left three or four inches apart and the openings filled with broken brick, potsherds, and similar material. I would have the top of the pipes about six inches below the surface of the soil, and two lines would be better than one in a 4-foot bed. If the bottom of the bed could be filled with small stones, brick-bats, etc., to the depth of six inches or more, it would be better than the pipe.

L. R. TAFT.

BRIEFS FOR BUSY FLORISTS.

PRIMULAS.—As soon as the seedlings are large enough to handle, they should either be transplanted into seed pans, or small-sized pots. The former method is to be preferred. The plants will make a better growth there during the next few weeks than if put into single pots. If later sowings of seed have not been made, there is still time to do so. It is always well to have a succession of these flowering plants during the Winter season.

PANSIES.—For indoor flowering next Winter, sow seed outdoors early in July. The seed bed may be made in a shady portion of the garden, and to have robust plants for Fall, the seedlings need to be transplanted when large enough, and all buds picked off as fast as they appear.

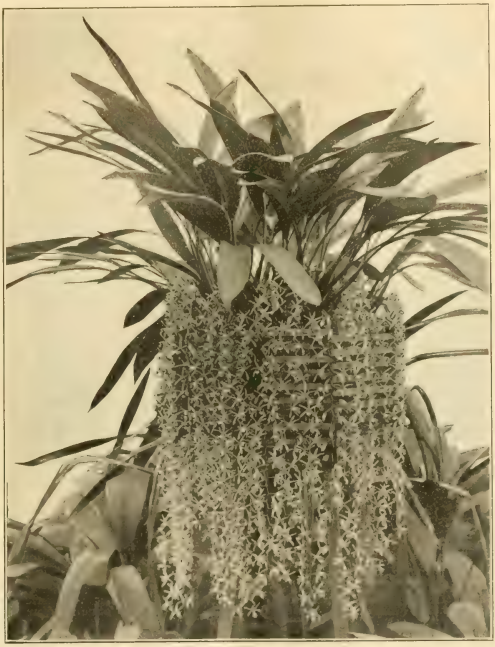
SMILAX.—If beds are to be renewed, the sooner such work is done the better. Remove all the old and put in fresh soil. For planting, use good stock from 2½ or 3-inch pots, and be careful that the watering is not overdone for the first five or six weeks. It is always better to get the strings in place as soon after planting as possible as then there is no growth in the way, and the work can be done expeditiously.

REX BEGONIAS.—The propagating bench is not so crowded now, and it is seasonable to increase the stocks of such varieties of these decorative begonias as is needed. Take the strong healthy leaves and cut them into small sections, and put them in the sand where each piece will form roots, and eventually make a plant. If kept too wet, they will easily damp off however, so some care in avoiding that condition is necessary.

ADIANTUM FARLEYENSE.—When starting the small divisions that have been obtained by cutting up the old plants, whether they have been potted up singly or are in flats, keep them in a close frame on the bottom until new fronds appear. After that, place them on the bench and keep a sharp lookout for snails.

ADIANTUM CUNEATUM.—Beds of this fern, intended to be run for another season, should be partially dried down, and have a rest for a few weeks. When the plants are near the dormant stage, they can be lifted and divided if necessary, and fresh soil can be added to the bench at that time. Clean away all the old stems, if any, and after the new soil is added give a light dusting of lime between the plants. When the new fronds begin to push commence to give water, sparingly at first, as the bench must be kept on the dry side continually until the roots have got well started.

GLOXINIAS.—As these plants begin to send up their flowers, it will be necessary to keep the atmosphere drier and the sprinkling of paths should be discontinued. A light shading should be applied to the glass, if not already done, and when watering care should be exercised that the flowers and the foliage are kept dry.



CŒLOGYNE DAYANA, WITH 1,247 FLOWERS.
Grower, A. Welsing, Brooklyn, N. Y.

Coelogyne Dayana.

Editor Florists' Exchange:

The photograph from which the illustration herewith was made, is of a single specimen plant flowering lately in the collection of Mrs. C. F. Erhart, [illegible] Washington avenue, Brooklyn, N. Y. The plant carried 27 spikes, with 43 to 51 flowers to a spike making a total of 1,247 flowers, and is a great credit to the enthusiastic and zealous gardener, A. Welsing, under whose care the specimen has been for the past eleven years. Such fine specimen orchids are seldom seen, especially taking into consideration that when this plant was bought about [illegible] years ago at an auction it had then but two small bulbs and one lead.

It is grown in an [illegible] basket [illegible] feet across, potted in fibrous peat and moss with additional pieces of charcoal and broken crocks. The plant is suspended on a high stand close to the glass, where it enjoys a quantity of moisture and heat. It is a native of Borneo and one of the prettiest of the Cœlogyne tribe. A. J. MANDA.

The Croton as a Bedding Plant.

Editor Florists' Exchange:

When grown well the croton can hardly be surpassed as a bedding plant, and one has only to see the magnificent beds in the grounds of the Royal Palm Nurseries here, in order to have an idea of how the plant thrives in its native habitat. In the croton beds of this establishment are to be found upward of [illegible] varieties (both old and new) affording a gorgeous spectacle and a great range of color.

The plants are kept in the greenhouse until the first of May, the mean temperature at that date being more uniform and suiting the requirements of the plants. The overlooking of this fact is undoubtedly the great mistake made by a great many in the North. They rush out their plants, exposing them to the warm days and cool nights and then wonder why the crotons fail to come up to their expectations.

The light sandy soil here seems to suit the crotons remarkably well but the warm showers and bright sunshine are the important factors in bringing out the magnificent colors.

Thousands of young plants are grown annually at this establishment, and, considering the cheap rate at which they are sold, a bed of crotons would be a very inexpensive luxury, but a very attractive one.

FRANK MACLAREN.

Oneco, Fla.

Rose Gruss an Teplitz.

Editor Florists' Exchange:

This is a magnificent rose for outdoor culture; bearing bright cinnabar red flowers. It is a hybrid tea and is perfectly hardy. Last year I only covered the ground with a little salt hay after the ground was frozen.

The Gruss an Teplitz shows strongly the habit of the Bengal hybrid roses. The flower is large, having a delicious odor. Some of the blooms come single, but the majority are semi-double, the petals being turned back in a graceful way. The whole flower is of loose construction. The early ones, which come so freely, are all on the old wood and show their beauty under the beautiful young growth which is from two to four feet in length, with broad, dark metallic green leaves, which, as they near the end turn to reddish bronze.

The young growth shows flower buds already, so this rose will give a supply of bloom until the last of October, and in very mild weather until the latter part of November. There are a great many red roses, but outdoors the majority of them get the "blues" under the strong rays of the sun. Gruss an Teplitz is a real "Sunny Jim." All it needs is a well prepared soil and, later on, some bone meal. The variety is perfectly free from rust and mildew, and does not require to be cut back but simply to be kept clean from dead wood. A large bed of this rose never fails to attract attention.

J. G. VAN GELDER, JR.

New York.

A Grass for Shaded Situations.

Festuca rubra, the red fescue, is recommended in Bulletin 22 of the New England Association of Park Superintendents as a very good grass for shaded positions, doing well in dry, sandy, and sterile land. Of course, it will suffer and disappear if trampled over continually by great masses of people.

The Government astrologist recommends the variously leaved fescue (Festuca heterophylla) for use in densely shaded situations. Often, too, Kentucky blue grass can be used to good advantage if care is taken to keep the land from becoming sour and sodden. This can be done by using care in watering and by occasional applications of lime with surface cultivation of the soil by means of an iron-toothed rake or similar instrument.

New York.

The Week's News.

The outing of the New York Florists' Club, which occurs on Wednesday, July 1, is to be the biggest affair the club has ever had in the way of a picnic. Enough tickets have been sold already to insure a large attendance.

The weather here, for the last week or two, has been decidedly unfavorable either for picnics or business, but present indications point to pleasant weather with sunshine within the next day or so, and we can reasonably expect a fine day for the club's outing.

The transportation committee is arranging with the West Shore Railroad for the conveyance of the delegates to the S. A. F. O. H. convention at Milwaukee in August. It is about decided that the delegates will leave New York at 1 p.m. on Sunday, August 16, and try to have the Boston contingent leave Boston at the same time, and join the New Yorkers at Rotterdam Junction. If this can be arranged, it will no doubt provide a party large enough to have a special train right through to Milwaukee. Circulars will be sent out by the railroad company, giving all particulars as to berths, etc., and the club's committee will be aided greatly in their efforts if all who will attend the convention from this locality will notify Walter F. Sheridan, 39 West 28th street, and declare how many berths will be required.

The Greenwood Florists' Employees' Association held its annual outing at Ulmer Park on Friday, June 19. The event took the form of a promenade, with dancing at intervals. Over five hundred persons were in attendance, and all had a very enjoyable time. The officers of the association are: President, James P. Carlisle; vice-president, John Kiernan; second vice-president, John Behan; recording secretary, Thomas Ryan; financial secretary, Joseph Driscoll; corresponding secretary, Edward Carney; treasurer, William Walker.

Israel H. Eisenberg, florist, 440 Albert street, Long Island City, invites members of the craft to his establishment on the morning of July 4 at 8 o'clock to have a general good time. The prime feature of the entertainment will be the presentation, by Mr. Eisenberg, of a gold watch to his foreman, Victor Olm, for faithful services rendered.

William T. McCarthy, principal of Public School No. 63, this city, has forbidden the carrying of flowers at the commencement exercises at that institution, and orders for 106 baskets of flowers were consequently countermanded, says the New York Times.

John N. May will leave this week for a fishing excursion in the mountains. Mr. May has not taken a vacation for several years, and is looking forward to having a good time of rest and enjoyment.

J. H. Troy, manager of the Rosary Flower Company, sails for Europe today (Saturday) on a business trip. He will visit Dickson & Sons, of Belfast, Ireland, and other prominent nurseries while abroad. Mr. Troy informs us that he has now got a stock of several thousand of the rose Killarney, most of which has been obtained from Dickson & Sons, the originators of the rose. This variety has been sold in New York as No. 19, and as Mrs. Westinghouse, but is now going under the name given it by the originators—Killarney.

Richard Vincent, Jr., and Mrs. Vincent, of White Marsh, Md., sailed on the Cunard steamer Aurania for Liverpool on Tuesday, June 23. While abroad, Mr. and Mrs. Vincent will visit the Channel Islands to get a glimpse of the immense vegetable industry carried on there.

George Young, the noted grower of American Beauty roses, Clifton, N. J., will tear down two of his greenhouses and erect one large modern greenhouse in their place.

The lease of Mrs. Scallen's retail store, 1259 Broadway, expires on August 1, and the business will probably be removed to the new block that is building directly opposite the present location.

The auction season is not closing this week, as we mentioned in our last issue. W. J. Elliott, of William Elliott & Sons, informs us that there will be two more sales.

J. H. Cox, late with George A. Weaver & Co., Newport, R. I., has accepted a position as traveling salesman with the Stumpp & Walter Co. Mr. Faxen succeeds Mr. Cox at Newport.

E. B. Holtslander, Liberty, N. Y., was a visitor.

Philadelphia.

Pennsylvania Horticultural Society.

The meeting held on Tuesday last was a very successful one. It was a sweet pea meeting. There were staged 210 vases of sweet peas, separate varieties, 25 and 50 sprays to a vase; also seven large vases of assorted colors. Prizes were awarded as follows: John McCleary, gardener to Mr. William Weightman, took the Henry A. Dreer prize for their incomparable collection of 21 varieties. William Robertson, gardener to Mr. John W. Pepper, and Otto Triebwasser, gardener to Mr. John B. Stetson, were first and second for the Henry F. Michell prizes for collection of 12 varieties, and for the one vase of mixed offered by the same firm. Ernest Schrieber, gardener to Mr. W. L. Elkins, was first, and James Coleman, gardener to Mr. Walter Lippincott, was second for the prizes offered by H. Waterer for a collection of 20 varieties. William Robertson was first, Ernest Schrieber second and Daniel Neely, gardener to Mr. C. Hartman Kuhn, third.

Henry A. Dreer offered prizes for Iris Kæmpferi, best collection. These went to William Kleinheinz, gardener to Mr. P. A. B. Widener and John McCleary. The prizes for lettuce, Dreer's All Heart, offered by that firm, were awarded to Robert G. Morrow, gardener to Mr. George S. Bodine, and John McCleary. The prize offered by Mr. Samuel T. Bodine for specimen croton was awarded to Ernest Schrieber. His specimen was a grand plant of Sunshine, well finished and colored. A plant of Croton Andreanum exhibited by John Hobson, gardener to Mr. Edw. A. Schmidt, was second.

For such a peculiar season the exhibition was considered a good one, as in some sections sweet peas are not even in bloom yet. For earliness William Robertson is still away in the lead with sweet peas, as he has been cutting since June 2.

Items.

All the books on horticultural subjects belonging to the late Charles H. Miller, the well-known landscape expert, have been given to the Pennsylvania Horticultural Society by his daughter, Miss Emile J. Miller, in accordance with her father's request.

The season at Waretown will begin on Friday, June 26, when John Westcott will have his usual house party for the grand opening at the club house on the beach of Barnegat Bay. The party will go down on Friday morning and most of them will remain until Monday.

H. Waterer is home again from his business trip to England. He has had a very successful, as well as a pleasant tour.

There are several crack bowlers among the employees of Pennock Bros. They are ready to meet a team from any other retail establishment in the country. For dates write William Gibson.

The bowling tournament for places on the Milwaukee team is full of surprises. There will be several new men on the team, and from the present outlook there will be a hard finish for sixth and seventh places.

DAVID RUST.

Chicago.

The Week's News.

Demands have been made upon the North and West Park boards by the Gardeners' and Florists' Union for an increase in pay for the employees of these parks. A uniform wage scale of $75 per month is asked, the same as is paid the South Park employees. The assistance of the Chicago Federation of Labor has been asked to help secure the increase without a strike.

The attendance at the regular meeting of the Florists' Club, June 17, was not very large. Only routine business was transacted. P. J. Hauswirth presided.

On June 18 fire started in the stable of Mrs. Schiller, but was extinguished without any great damage being done.

J. B. Deamud is receiving some fine varieties of peonies. Noteworthy among them is one, a dark red, which is very full and double and will, no doubt, be a good seller when better known.

Anton Then has been at St. Louis the past week attending the convention of the United German Mænnerchor, of which he is a member.

N. Wietor and J. Muno have gone on a week's fishing trip to Woodruff, Wis.

The firm of Adkins, Young & Allen Company have been inconvenienced somewhat this week, as the result of a fire in the building in which they are located. The suffered no loss, but their place was pretty well watersoaked. This firm deals in pumps, pipe and fittings.

Business is not very brisk with the seed stores at present, yet some belated customers are to be seen.

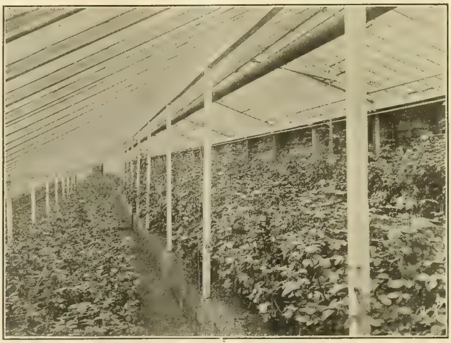
C. Cropp, of Vaughan's seed store, expects to be able to sail for Europe the first of July.

Bassett & Washburn are sending in from their greenhouses to their store some extra fine Liberty and Kaiserin Augusta Victoria roses.

The George Wittbold Company is sending to the market a great variety of hardy herbaceous flowers from their nursery at Edgebrook.

Visitors included Herbert Heller, New Castle, Ind.; Mr. Wiegand, Indianapolis, Ind.; James H. Stevens, Birmingham, Ala.; C. C. Pollworth, Milwaukee, Wis., and Mr. Plummer, Kewanee.

ROBERT JOHNSTONE.



HOUSE OF ROSE LIBERTY

At Establishment of J. L. Dillon, Bloomsburg, Pa.

St. Louis.

News Notes.

Several of our growers are having some trouble with their chrysanthemum plants, a great many of which are making their crown buds. They lay it to the very cool weather we are having.

Anton Then, a florist from Chicago, was a visitor the past week. He attended the Sangerfest and called on the trade, who were glad to see him.

Henry Emmons and E. W. Guy, of Belleville, were also visitors. They say there was no damage from the flood in their city.

Wm. Winter, of Kirkwood, and F. B. Call, of Clayton, were likewise among our callers last week. Mr. Winter says a big reception awaits the florists when they visit Kirkwood on July 9.

I hear that two of the four florists mentioned in my notes in last week's issue take exception to the remarks made. The note made no allusion to crape pulling, it being only intended to convey that those mentioned are always busy with funeral work, and that they are out often and early at the wholesale houses after flowers. They say they thought "St. Patrick was a gentleman." So he is.

ST. PATRICK.

Decumaria Barbara.

A beautiful Southern vine, with large lustrous green leaves, is the Decumaria barbara. It is rarely seen in gardens in the North, because it is thought not hardy. But a vine on my house has stood for many years uninjured. The leaves are large and shining green, and in Midsummer the plant produces freely cymes of white, fragrant flowers.

In its native woods, in North Carolina and south, it ascends trees in damp woods; and, when in flower, with the blossoms backed by the bright green foliage, it is greatly admired.

In the case of my own plant, it has not been a success as a climber on my house. It makes rather heavy wooded shoots, and, in addition, its foliage is heavy; and between these two things and the fact that its rootlets do not cling over-tightly to the wall, it is apt to lose its hold in gales of wind and rain. It would doubtless cling better to the rough bark of a tree.

It belongs to the same natural order in which mock oranges are classed.

Virginia Creeper.

In Europe the Virginia creeper is used for many of the purposes for which we use the Japanese ivy, such as the covering of walls of buildings. The Japanese ivy is really the better vine with us, owing to its close growth to the wall. Every shoot clings tightly to the wall. This is not the case with the Virginia creeper. Every now and again a shoot will depart from its support and will droop gracefully. On some walls there is no objection to this; in fact, it adds to the general attraction of the vine; but on a wall of a dwelling it rarely adds to the appearance.

The Virginia creeper is handsome in Autumn when drooping from old trees, or when used for covering decaying ones, in which position it is sometimes seen. It has been suggested that, being a native vine, our people prefer to set the Japanese to their walls, as being more uncommon. But this is not the case. The latter is the better vine for the purpose, without doubt.

Both of these ampelopses grow readily either from green cuttings or from seeds. Seeds should be gathered in late Autumn, kept moist through the Winter, and sown early in Spring.

JOSEPH MEEHAN.

The Liberty Rose.

Editor Florists' Exchange:

A great many florists have the opinion that the Liberty is a hard rose to grow and is not very productive. We send you a photograph (reproduced) of our house of Liberty which to-day (June 19) is in full crop. This house is 300 feet in length and has three beds planted to Liberty; one of the beds is 3 feet wide, one 4 feet and one 5 feet, containing 3,579 square feet.

There are 1,951 grafted Liberty plants in this house and there have been sold from the first of October to the present time, 63,403 roses.

J. L. DILLON.

Bloomsburg, Pa.

Review of the Market

NEW YORK. The scarcity of flowers in this market is such as has not been known before for some years, and the conditions that prevailed but two weeks ago are entirely reversed. Then it was that the buyers could offer about what price they thought fit, and did purchase at figures that seemed unreasonably low. Now the tables are turned, buyers are clamoring after stock, and the wholesaler, with fond memories of the $5.00 per 1000 for roses which he had to accept at that time, calmly screws up the values and informs the protesting buyer that "everything comes to him who waits."

Commencement exercises have added new life to the retail trade this week, and, as there has also been a fair increase in the flower demand for weddings, the shortage of stock could not have occurred at a worse period for the retailers. Flowers most in demand have been red roses and sweet peas and for such of these as were of decent quality it has been possible to sell at any figure almost. American Beauty touched 40c. each, and Bride and Bridesmaid 10c. each.

Carnations, also, have sold well, and they were very poor flowers that did not fetch $2.50, or more, per 100.

Lily of the valley is scarce and in good demand. Longiflorum lilies are also selling well, some of the latter having been offered at as high as 10c. each.

There is a fair supply of Cattleya gigas quite enough to keep up with the demand.

Bunches of Crimson Rambler roses have been coming in, and have helped materially in filling up the gap in the supply of roses of this color. Gladiolus do not get plentiful at all, though the supply of iris remains steady. Adiantum Croweanum is selling at $1.00 per 100, and other varieties of maidenhair fern are proportionately lower, there being a pronounced lack of demand for all kinds of green stock.

In our last week's quotation column, the iris and lilies got transposed; the price of the former should have read $2.00 to $3.00, and the latter $3.00 to $8.00.

CHICAGO.—The market the present week has a firmer tone than it has had for some time, and better prices have been obtained for most all stock coming in. The supplies have fallen off somewhat. American Beauty are a scarce article in this market just now and the flowers seen are not of a very good quality. The price obtained for extra good stock is very good—as high as $4.00 per dozen the beginning of this week—but that is only for a very few. Other grades can be had for almost any price. Bride and Bridesmaid are not of very good quality from a great many growers, and, as a consequence, the price obtained for some of the stock is not satisfactory. Yet some consignors are sending in some extra fine stock, which realizes a very good figure. Bride, Bridesmaid, Meteor, Perles des Jardins and Golden Gate are all selling at from $3.00 to $6.00, and the inferior grades somewhat below these figures. Some extra good Liberty is seen, and going as well as American Beauty of the same length of stem. The price is $2.00 per dozen, while the other grades bring from $4.00 to $12.00 per 100.

Carnations of the better grades are not overplentiful, and are selling about the same as last week from $2.00 to $3.00 per 100; others at from 75c. to $1.50 per 100.

Cold storage peonies are in larger quantities than last week, and are selling at from $2.50 to $6.00 per 100, with a few of the extra fine at a little higher price.

Lilium candidum is more abundant and is realizing from $8.00 to $10.00 per 100. A limited number of L. elegans are seen in some of the store windows, but not enough to quote prices on them. L. longiflorum is selling at from $6.00 to $8.00 per 100, as are callas. Lily of the valley is in good demand, with enough to supply all calls for it. Sweet peas are in abundance and of very good quality, they sell well considering the large receipts, the price being from 25c. to 75c. per 100.

Common ferns are coming in in increasing quantities and, as a consequence, the price has dropped, they are now selling at $1.50 per 1000. Smilax and asparagus are in the same condition as last week.

R. J.

BOSTON.—Never at this season of the year were flowers so scarce as they have been for the past week, and at no time have such prices been realized in June. Everything, good or poor, sells on sight and at nearly any price the grower asks.

In roses, anything from $4.00 per 100 up to $12.00 are ruling figures for all but American Beauty, which are difficult to quote just now.

Outdoor stock has been pretty well ruined and flowers from inside, especially roses, are very poor. Conditions are extremely unsatisfactory to growers, wholesalers and retailers. F. J. N.

SAN FRANCISCO. Good roses are scarce, the very reverse being true regarding every other flower. Sweet peas are a glut in the market, bunches of 100 selling at retail for 20c. and less.

ALVIN.

ST. LOUIS. The cut flower market the past week was not as good as during the previous one; still there was a good demand for funeral work, a few wedding orders and some school work. The week's trade opened up weak. Plenty of cut flowers are in the market. All trains are again coming over the bridge, and the express companies are delivering the shipments on time. The trade suffered a great deal a week ago in not being able to obtain stock in time for early morning delivery. The weather is all that can be asked for, we are having very cool nights and no real hot days as yet.

The big Saengerfest held here last week helped trade a great deal as some very large bunches were given to the solo singers. The Liberal Art building was tastefully decorated for the occasion. The wholesalers expect from now on that their business will be of Summer dullness, and improvements, alterations and repainting will commence about July 1.

In cut flowers, roses of all kinds are very plentiful. Bride sold well last week at $2.00 and $5.00 per 100. Bridesmaid have been going to waste; there is little demand for them just now. Meteor and Liberty bring $4.00 and $5.00 for choice stock, while seconds sell at $2.00 and $3.00 per 100. Kaiserin Augusta Victoria sell at same price as Bride, and some good stock is in the market. Perle des Jardins are very soft, and that hurts their sale. With the exception of American Beauty there is hardly any fixed price on roses of second and third quality. Very few Beauty of the best quality can be obtained at present, $2.00 to $3.00 per dozen is asked for the best.

Piles of fancy sweet peas are lying around. Fancy varieties are being disposed of at $2.00 and $2.50 per 1000, 20c. to 35c. for a single hundred. Plenty of peas are sold every day, but the wholesalers say that it is impossible to dispose of the vast quantities thrown on the market. Most of these are grown in Kirkwood. The stock of Ude Bros., Pilcher and Gross is among the best.

Carnations, too, are suffering from lack of demand. Very little white stock goes to waste, but plenty of colored carnations are being dumped. The fancy sorts are about the only ones that sell well. The price for them is $2.00 and $3.00 per 100. Ordinary sorts are offered at $1.00 per 100.

White marguerites, hollyhocks, cornflowers, gladiolus and other out door flowers have very little demand and are disposed of at whatever figure the buyers will offer. Field daisies are also in now, going at 25c. per 100.

Lily of the valley holds its own at $3.00 and $4.00 per 100. A. Berdan of Kirkwood, is sending in the best. Mr. Berdan will make a specialty of growing lily of the valley the coming season.

Asparagus plumosus, smilax and A. Sprengeri are selling well owing to the shortage in fancy ferns. ST. P.

INDIANAPOLIS.—Weddings (quite a few of them) have been the life of the business during the past week. There have been several good-sized decorations at which large quantities of roses have been used, so these flowers are kept fairly cleaned up. Bride and Bridesmaid wholesale at 5c. to 6c. for No. 1 stock. Kaiserin Augusta Victoria are coming in in fine shape; they are not always obtainable, and wholesale at 6c. to 8c.; at retail, they bring 50c. to $2.00 per dozen. Liberty sell well, wholesaling at from 6c. to 18c.; retailing at $1.50 to $4.00 per dozen. American Beauty are small and unsatisfactory; wholesale price is 50c. to $3.00 per dozen; retail, $1.00 to $6.00 per dozen.

Carnations are over plentiful at $1.50 to $2.00 per 100. White ones are at times scarce and sell at a better figure than the colored ones.

A few days of rain have put sweet peas in a fine condition, and any quantity in almost any shade may be had at 25c. per 100. They are generally sold at retail at 10c. per bunch of twelve.

Both Harrisi and auratum lilies are to be had at $1.50 per dozen. I. B.

ST. PAUL. Trade has been fairly active all the month and is just beginning to feel the effects of warm weather. Commencement exercises of our schools the past week created a heavy demand for red roses, rather more than could be supplied. American Beauty have been in very good demand, with hardly enough in stock to meet requirements. Carnations have sold well but are getting smaller each week, so that retail prices have dropped to 50c. and 75c. per dozen. Nice peonies have been in good demand and meet with ready sales. Sweet peas are becoming more plentiful, but field grown stock is not yet in bloom.

The plant growers have had a good Spring business, but nearly all of them report considerable stock left on hand. Cannas were sold out clean early, and pansies have been in better demand than for several years past. But geraniums were grown in larger numbers than ever before and surpluses are found in many of the growers' hands at the end of the season. VERITAS.

ROCHESTER, N. Y. Owing to the recent rains crops of all kinds are looking as fair as can be expected considering the hard struggle plant life had during a seven week drouth. Both the wholesale and retail florists are exceptionally jubilant because of the break in the dry spell as it came at a time when watering plants in the field was getting to be quite a chore. Carnations especially are more than thankful, their plants in the field having become dried up almost entirely. Many plants that were cut down and frozen by the fierce wind and cold spell of May 1 are now showing but little effects of such treatment except perhaps being smaller than at this time in previous years.

Business among the store men is not over brisk at present.

Perennial stock has taken on a new aspect owing to the downpours of rain and all interested agree that business in this although perhaps later equals that of any former Spring sales and in many instances a smart increase is reported.

Carnation flowers are bringing fair price for this season considering the quality of stock, which is below the average. Good blooms are wholesaling at $1.00 per 100; the poor ones can be had for the asking. A. H. SECKER.

BALTIMORE. Trade is fairly good at this writing. Good white roses are in demand, the call being greater than the supply. Maman Cochet help out in funeral work. However, the quality and quantity of this variety are a little shy. Most all good stock is taken up as fast as it comes in. The poor material goes either to the street man or the garbage box. Carnations are arriving in quantities about equal to the demand excepting white, which are not plentiful, and go at $1.00 and $1.25 for standards. American Beauty are of rather poor quality, and in short supply. The best of them go at 10c. to 12c. J. J. P.

CINCINNATI. Business for June has been very satisfactory in all lines. Stock has been good for the time of year; and prices have held up well. Sweet peas are now coming in nicely and sell at 40c. per 100. Roses remain the same as formerly quoted; also carnations. Candytuft sells at three bunches for 25c.; gladiolus brings 4c. Greens are plentiful and always sell well. Lily of the valley realizes 4c. and is of fine quality. More good special stock could be disposed of if available. Stokesia cyanea (cornflower aster), sells at sight for $1.00 per 100. E. G. G.

BUFFALO.—This is commencement week at the leading public schools. Stock is called for early and active each day, and the moderate extent of blooms now available gets fully cleaned up. We now are having drizzly rains or showers almost daily, more than needed, while a real warm day has not as yet been recorded. Sweet peas of indoor growing are plentiful and nice. Some Lilium auratum blooms are seen, locally-grown, we understand. VIDI.

San Francisco.

News Notes.

At this month's meeting of the Pacific Coast Horticultural Society, preliminary plans were outlined for the mid-summer exhibit to be held in this city, date not fixed, to occur, it is thought, during the August encampment week of the 37th annual National rally of comrades of the G. A. R. The annual outing and family reunion of the society was fixed for July 12, at San Rafael Park.

Alex. Mann, Jr., who has been established in the trade nine years at 1441 Polk street, has also experienced within the last three years highly satisfactory business development as a greenery manufacturer and maker of cork bark pot covers, and as a wholesale dealer in florists' supplies. As a direct importer, Florist Mann received a few days ago 262 dozen willow baskets, said to be the largest direct importation ever consigned to a Pacific coast tradesman.

Mrs. Prentice, an Oakland florist, is having a glass house constructed on her store premises, 1155 Washington street, for carnation culture.

This week the California Nursery Company of Niles planted in the Palace Hotel court a substitute for the big $500 date palm, which died last week.

ALVIN.

NEWBURYPORT, MASS.—Edwin W. Pearson has purchased a lot recently belonging to the Jackman estate.

CANADIAN GROWN
COLEUS Good assortment 1000 $20.00 100 $2.50
CANNAS Fine assortment, 3 and 4 in. pots 6.50
Basket Plants Splendid stock of suitable plants 22.00 2.50
WEBSTER BROS., Plantsmen, Hamilton, Canada.
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CANADIAN NEWS

Montreal.

Trade Notes.

In spite of the extraordinary dry weather prevailing this Spring, the bedding plant business has been very good, not less than 25 per cent. better than last year. Growers report their stock as being completely sold out, and at better prices than last season. Geraniums were very scarce, especially scarlet varieties. Large quantities of coleus were used, but cannas were not in very great demand. There are some growers who no doubt will not agree with these remarks, but they are few in number, and if they would not persist in growing three plants where they have only room for one they would be far better off in the end. There is also room for improvement in the selection of plants for propagating bedding stock.

Cut flowers continue to move freely, large quantities being used for funeral work and wedding decorations.

The recent copious rains have done a great deal of good to carnations and other stocks outdoors; and the country does not look very much the worse for the great drouth.

Club News.

A display of cut bloom and plants will be made in the club rooms at the regular meeting July 6. Members and friends are requested to send in their exhibits early.

The fourteenth annual picnic and games will be held at St. Rose, Friday, July 10. A special train will leave Place Viger Station at 9.30 a.m. Arrangements for the outing will be completed Thursday evening, 25th inst., when the committee will meet at Wilshire's store.

Visitor: J. Raymond Ball, Knowlton, Que. W. C. H.

The Galt Horticultural Society will hold its annual flower show on Wednesday, Thursday, and Friday, August 26, 27, and 28. The directors are getting the prize list ready. One of the features of this year's exhibition will be the entertainment given each evening of the show.

Paterson, N. J.

Joseph Towell is supplying the stores with some fine Iris Kaempferi grandiflora.

The street flower marketmen complained of dullness last week. A carnival for the benefit of the general hospital fund and a slack time in the silk manufacturing industry were no doubt the causes of the shortage of cash among purchasers.

Robert Smith, the Market street florist, has been away on a week's vacation to Pennsylvania towns.

The new Main street store occupied by Ed. Seeery has been finally completed and Seeery now has the finest outfit in town.

Verona, N. J.

Frank Goble has raised and disposed of over 10,000 geraniums this season. His stock has been of fine quality.

STERLING, ILL. Ernest Swartley and his sister, Miss Lillian, have gone East for a tour through Ohio. They will visit Dayton, Columbus, and Cincinnati, and expect to be absent from Sterling about two months.

TOBACCO POWDER
THE BLACK STUFF FINE—For Sprinkling Only.
WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective indoors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5 pound package for nothing if you will pay the express charges on it. Write Dept. B. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.
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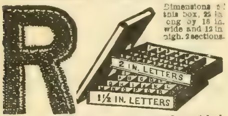

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This wooden box nicely stained and varnished, 18x80x12 made in two sections, one for each size letter, given away with first order of 500 letters.

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Fastener with each letter or word.

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Leucothoe Sprays, bronze or green, $1.00 per 100; Fancy Ferns, $2.00 per 1000; Green Sheet Moss, fresh stock, $2.50 per bbl. sack; Sphagnum Moss, $1.75 per bale. Small Green Galax for violets, $1.00 per 1000. All kinds of florists' supplies.

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Wholesale Prices of Cut Flowers, New York, June 26, 1903.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. BEAUTY, fancy—special	15.00 to 40.00
	" extra	10.00 to 12.00
	" No. 1	4.00 to 5.00
	" Culls & ordinary	1.50 to 4.00
	Queen of Edgely	8.00 to 20.00
	Bride, 'Maid, fancy—spc'l	6.00 to 10.00
	" extra	5.00 to 6.00
	" No. 1	3.00 to 4.00
	" No. 2	2.00 to 3.00
	Golden Gate	2.00 to 6.00
	Liberty	4.00 to 15.00
	Meteor	3.00 to 8.00
ADIANTUM		.35 to .75
" CROWEANUM		...... to 1.00
ASPARAGUS		25.00 to 50.00
CALLAS		3.00 to 6.00
CATTLEYAS		35.00 to 50.00
CYPRIPEDIUMS		..... to ......
DENDROBIUM FORMOSUM		..... to ......
DAISIES		1.00 to 2.00

Carnations	Inf'r grades, all colors		2.00 to 2.50
	STANDARD VARIETIES	White	2.00 to 3.00
		Pink	2.00 to 3.00
		Red	2.00 to 3.00
		Yel. & Var.	2.00 to 3.00
	*FANCY— (*The highest grades of standard var.)	White	3.00 to 4.00
		Pink	3.00 to 4.00
		Red	3.00 to 4.00
		Yel. & Var.	3.00 to 4.00
	NOVELTIES		3.00 to 4.00
IRIS			2.00 to 3.00
LILIES			6.00 to 10.00
LILY OF THE VALLEY			3.00 to 4.00
MIGNONETTE—ordinary			.50 to 1.00
" fancy			...... to ......
PEONIES			...... to ......
SMILAX			5.00 to 8.00
STOCKS, per bunch			.02 to .04
SWEET PEAS, per bunch			.10 to .15
			...... to .. ..

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston June 10, 1903	Phil'delphia June 23, 1903	Baltimore June 16, 1903	Buffalo June 24, 1903	Pittsburg June 16, 1903
	A. BEAUTY, fancy—special	...... to	..... to	...... to	20.00 to 25.00	20.00 to 25.00
Roses	" extra	..... to 20.00	20.00 to 25.00	...... to	12.50 to 15.00	10.00 to 15.00
	" No. 1	8.00 to 16 00	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	6.00 to 8.00
	" Culls and Ordinary	1.00 to 4.00	5.00 to 8.00	3.00 to 6.00	3.00 to 5.00	2.00 to 3.00
	Queen of Edgely	...... to	10.00 to 20.00	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	...... to	to	..... to 6.00	.... to	...... to 6.00
	" extra	..... to 5 00	8.00 to 10 00	..... to	6.00 to 8.00	4.00 to 5.00
	" No. 1	2.00 to 4.00	7.00 to 8.00	2.00 to 4.00	4.00 to 5.00	2.00 to 3.00
	" No. 2	1.00 to 2.00	4.00 to 6.00	2.00 to 3.00	2 00 to 3.00	..... to 1.00
	Golden Gate	...... to	4.00 to 8.00	2.00 to 4.00	2.00 to 6.00	.. .. to ......
	K. A. Victoria	2.00 to 10.00	4.00 to 10.00	2.00 to 4.00	3.00 to 8.00	4.00 to 10.00
	Liberty	1.00 to 6.00	8.00 to 15.00	2.00 to 4.00	3.00 to 10.00	4.00 to 12.00
	Meteor	1.00 to 4.00	4.00 to 10 00	2.00 to 4.00	2.00 to 8.00	2 00 to 4.00
	Perle	.... to	4.00 to 8.00	2.00 to 3.00	3.00 to 6.00	2.00 to 4.00
	ORCHIDS—Cattleyas	...... to	...... to	..... to	...... to	...... to ......
	Cypripediums	...... to	to	...... to	..... to	.... to ......
Carnations	Inferior grades, all colors	.50 to .75	1.00 to 1.50	...... to .75	1.00 to 1.25	..... to .50
	STANDARD VARIETIES White	. . .. to 1.00	1.00 to 1.50	1.00 to 1.25	1.50 to 2.00	.75 to 1.00
	Pink	...... to 1.00	1.00 to 1.50	1.00 to 1.25	1.50 to 2.00	...... to .75
	Red	...... to 1.00	1.00 to 1.50	.75 to 1.00	1.50 to 2.00	...... to .75
	Yellow and var.	...... to 1.00	1.00 to 1.50	..... to	1.50 to 2.00	...... to .75
	*FANCY (*The highest grades of Standard var) White	...... to 1.50	2.00 to 3.00	..... to	2.50 to 3.00	1.50 to 2.00
	Pink	..... to 1.50	2.00 to 3.00	..... to	2.50 to 3.00	1.00 to 1.50
	Red	..... to 1.50	2.00 to 3.00	...... to	2.50 to 3.00	1.00 to 1.50
	Yellow and var.	...... to 1.50	2.00 to 3.00	...... to	2.50 to 3.00	...... to ......
	NOVELTIES	2.00 to 3.00	...... to	1.00 to 1.25	4.00 to 5.00	..... to 3.00
	ADIANTUM	...... to 1.00	..... to 1.00	..... to 1.00	.60 to 1.00	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	20.00 to 50.00	40.00 to 60.00	20.00 to 50.00
	CALLAS	..... to	...... to	5.00 to 7.00	...... to	...... to .....
	DAFFODILS	...... to	...... to	...... to	.. ... to	...... to .....
	DAISIES	...... to	...... to	...... to	..... to	.25 to .50
	GALAX LEAVES	..... to .10	...... to .10	..... to	...... to .15	. .... to ......
	GLADIOLUS	4.00 to 6.00	.... to	4.00 to 5.00	4.00 to 6.00	..... to
	HYACINTHS	.... to	..... to	...... to	...... to	. ... to ......
	LILIES	. ... to	...... to	6.00 to 8.00	..... to 15.00	6.00 to 12 00
	LILY OF THE VALLEY	2.00 to 3.00	4.00 to 5.00	...... to	3.00 to 5.00	3.00 to 5.00
	MIGNONETTE -Ordinary	..... to 1.00	...... to	...... to	..... to	. . to ... .
	" Fancy	...... to	.... to	...... to	..... to	...... to .. ..
	NARCISSUS	...... to	...... to	...... to	...... to	..... to ... .
	PANSIES	..... to	...... to	.... to	to	...... to
	SMILAX	..... to 12.00	15.00to 20.00	15.00 to 20.00	12.50 to 15.00	10.00 to 15 00
	STEVIA	..... to	... to	...... to	...... to	..... to ...
	SWEET PEAS	.15 to .35	1 00 to 1.50	.15 to .20	.25 to .75	.25 to .75
	TULIPS	..... to	...... to	...... to	...... to	...... to ....
	VIOLETS	..... to	..... to	...... to	. to	...... to ...

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Boston.

Massachusetts Horticultural Society.

The rose and strawberry exhibition, which had been advanced one week from its scheduled time, was held at Horticultural Hall on Tuesday and Wednesday last. On the opening day the rose exhibits were not up to expectations, as far as quantity was concerned, but the quality of the flowers shown, mostly by Miss Sarah B. Fay, of Woods Hole, was very fine, considering the unfavorable weather. In the strawberry department, however, there was an excellent display. Miss Fay helped out the rather slim rose showing by bringing in another fine lot on Wednesday. Miss Fay won the first and second prizes under the Theodore Lyman Fund, as well as the first prize of the Society's premiums in every class in which they were awarded, and two second prizes. For Mme. Gabriel Luizet Peter B. Bradley was second; and for a display of 100 bottles of hardy roses Mrs. E. M. Gill won second.

Sweet williams were well shown in numerous varieties by William Whitman and W. E. Coburn, the former winning first and third prizes, while Mr. Coburn was awarded second. Arthur H. Fewkes tabled an interesting display of new peonies, and Mrs. E. M. Gill and the Blue Hill Nurseries showed vases of seasonable flowers.

A few plants were exhibited, though no plants were scheduled for this show. They added considerably to the general effect. Col. Charles Pfaff's odontoglossums and the display of gloxinias from Mrs. J. L. Gardner and that of orchids from W. A. Manda, Inc., were very interesting.

The regular Saturday weekly exhibitions begin July 11.

News of the Week.

The boys at the market learned with regret of the horrible death of Richard Haley, who had been a grower for years, with greenhouses at Malden. Mr. Haley closed up his greenhouses early in the Winter and since that time has been employed by the Hecla Iron Company of Everett. While working on a new building at 154 Devonshire street, Tuesday, he fell to the ground, sustaining fatal injuries. Deceased leaves a widow and four children.

A baseball team picked from the "boys" at the market are to play the Waban Rose Conservatories' team Saturday. James Denny is captain and manager, and would like to book dates throughout the season.

F. J. NORTON.

St. Paul.

The Week's News.

Martin J. Weppner, with The George Wittbold Company, Chicago, was a recent visitor.

Frank Berry of Stillwater, has gone to England for a visit to his old home, which he left 45 years ago.

L. L. May & Co are selling strawberries at their retail store. This is quite an innovation for a flower store, but as the berries are grown at Mayfield nursery, the grocers can hardly object to the firm selling their own products.

Dr. Schiffmann, our local orchidist, has returned from a six months' trip around the world, bringing one of the largest importation of orchids ever imported into the United States. In order to make room for the new plants he is offering established stock cheap.

VERITAS.

Utica, N Y.

Club News.

The regular meeting of the Utica Florists' Club for June was held at W. A. Rowland's, Whitesboro, N. Y. Whitesboro is a fine old town in the suburbs of Utica, about 3½ miles distant, reached by trolley, and we had a fine meeting and a good attendance.

We have decided for the Summer to hold our meetings at the different florists' places of business. Our next meeting will occur at Stewart Hakes, at Ilion, N. Y., on July 2, 14 miles east of Utica, also reached by trolley. A good crowd is expected.

Jottings.

Spring trade has been very good all around. While we have had a dry spell for the last week, it has now rained, and everything is looking fine. Carnation planting was late, but is, I think, all done now. Almost every florist has planted a good surplus of carnations. I saw at F. J. Baker's three houses planted in, and he said the plants were larger now than some he took in last Fall. At any rate, they are fine. He also showed me a large house of Asparagus plumosus, as fine as I ever saw. The plants were in 2¼-inch pots, about ready to ship.

W. P. Pfeiffer will build one house, 30 x 125 feet, for carnations this Summer. This flower is a specialty here, and he is cutting some fine blooms now and cannot fill all his orders.

C. F. Seitzer is so well pleased with the Pierson fern that he has ordered more of it. He is pretty well cleaned out of most kinds of bedding plants excepting verbenas. He will grow no more of these.

Wm. Mathews reports trade has been good. He had a large order for bedding plants for the Adirondack Mountains.

D. McLane was busy boxing plants for Richfield Spa. He has a good trade there.

Our vice-president, F. McGowan, is still cutting sweet peas by the bushel and says he is getting pretty tired gathering them day after day from morning till night.

I stopped off at Peter Crowe's to see the new plant building which he has leased to Messrs. Elwood and Harry S. Brant, nephews of L. M. Noe, Madison, N. J. It is nearing completion and when finished will contain some 35,000 feet of glass. Brant Bros. have also leased the houses which were erected two years ago by Mr. Crowe, containing 20,000 feet of glass. All the houses will be devoted to the growing of roses and Asparagus Sprengeri. The two establishments will contain over 25 000 rose plants besides several thousand asparagus plants. The range will be heated by steam generated by two large steam boilers of 70 horsepower each. The following roses are being planted: American Beauty, Liberty, Bride, Bridesmaid, and Golden Gate. This plant will be under the management of Harry S. Brant, while Elwood Brant will remain in New Jersey, where he has been in business for several years

Visitors: Messrs. Elwood Brant, Madison, N. J.; F. R. Pierson and John Fotheringham, Tarrytown, N. Y.; Wm. H. Kasting and wife, Buffalo; S. S. Skidelsky, Philadelphia, Pa.; John E. Hughes, Oneida, N. Y.

Cleveland.

Here and There.

Since my last report of dry weather we have been having plenty of rain; in fact, in some places too much. Carnations in the field are making a wonderful growth, and we all hope they will make good for the long spell of dry weather which retarded them in the early Spring.

The bedding season is about over now. Trade has been very good in this line, but prices have been no higher than in other years. Some growers have plenty of geraniums left over, the fault being that the plants were not in flower in time, or they could have been sold. Salvias seemed to sell better than usual this season, and all good plants have been cleared out for some time. Window boxes have been more plentiful this year, and most people are taking to them in preference to hanging baskets. This should be good news to the florists, as, I think, there is more money in boxes.

Our parks and boulevards are in the best of shape, and since the rains have come, the grass, trees and flower beds have shown great improvement. Since the azaleas and rhododendrons have passed, the Crimson Rambler roses are in their full glory, and are attracting great crowds. The Yucca filimentosa, of which there are several large beds in Gordon Park along the lake front, are just coming into flower, and will make a grand showing when in full bloom.

The planting of roses and chrysanthemums in houses is well under way, and the next two weeks will see most of them planted.

H. P. Brush, representing the Chadborn Ventilating Company of Buffalo, was a recent caller, having just returned from a trip through the West. He reports business as very good in his line.

Trade has been very active all this month, and the usual Spring glut has not affected us nearly as much this year as formerly.

Smith's, of Wade Park avenue, are still cutting plenty of their new carnation Magdalene, and the stock is meeting with a ready sale. The plants in the field never were better, as they were watered all through the dry spell.

G. W. S.

Cincinnati.

Election of Officers.

At a meeting of the board of directors of the Cincinnati Florists' Society, the following officers were elected for the ensuing year: President, C. J. Ohmer; vice-president, William Schuman; secretary, George Murphy; treasurer, Louis Kyrk; general overseer, Ben George. The date fixed for the annual outing of the florists of Cincinnati is July 23, and the place for holding same Coney Island. Prizes will be offered for bowling and ball games. The ladies will also have a bowling contest. The Cincinnati florists extend an invitation to all of the craft who can to join them upon this occasion.

Don't forget the next regular meeting, which will be held at D. Rusconi's residence at Covington, Ky., near the end of the Suspension Bridge, on July 9.

Jottings.

We had the pleasure of a call last Monday from C. W. Ward, of Queens, N. Y., on his way to the Virginia coal fields, where he has business interests. The writer, with Mr. Ward, visited Eden Park. The crotons in one of the Park greenhouses are very fine; and the new showhouse is quite attractive. The bedding as seen below the greenhouses is showing up nicely. Superintendent Critchell has made a wonderful improvement in our park system since he took hold. Unfortunately Cincinnati's park fund is very small in comparison with that of the other large cities of the United States, less than $45,000 being appropriated yearly to maintain the parks.

The C. H. & D. R. R. has been chosen as the official road from this city to Milwaukee. The rate is based on the certificate plan—$14.10 for the round trip, $2.00 each way for sleeper. A stop-over privilege will be allowed, returning, at Chicago. The Cincinnati delegation will join the Chicago delegates on the way up to Milwaukee, provided we receive an invitation to so do.

E. G. GILLETT.

Indianapolis, Ind.

The Week's News.

Indianapolis florists are being imposed upon by some of the Chicago wholesalers. Roses are being shipped to retail customers in this city at wholesale prices. For instance, a prominent lady received four hundred good Bridesmaid at $3.50 per 100 from a Chicago wholesaler. This unscrupulous business ought to be stopped, and certainly it will be well advertised among the dealers here who trade with Chicago.

Tomlinson Hall market business has been quiet. John Heidenreich is cutting immense quantities of sweet peas, a great many of them being new varieties.

Berterman Bros. Company were very busy the 24th inst. with four wedding decorations.

I. B.

Baltimore.

Gardeners' Club News.

At a meeting of the Gardeners' Club held Monday night a committee was appointed to recommend some needed changes in the constitution and by-laws and present their views at the next regular meeting.

Jacob Keplinger, gardener to Mr. William Lanahan, has invited the club to an outing July 9, from 4 to 8 p.m., to be held at Mr. Lanahan's country place, "Blenheim." The invitation has been accepted, and Mr. Keplinger promises a royal good time.

The president of the club, R. Vincent, Jr., and his wife, sailed from New York Tuesday for an extended trip through Europe. The club and the trade in general wish them a safe and pleasant journey.

J. J. Perry has sold his store at Gay and Eager streets to William F. Keys, who will run the business in connection with his Saratoga street store.

JOHN J. PERRY.

Buffalo.

News Jottings.

Charles Hewson, of Abbott Road, is the only local craftsman attaining the distinction of owning an auto, which he claims is well adapted for his business needs, while gaining much pleasure therefrom as well.

J. B. Weise, of Washington Market, sports a new delivery wagon of approved pattern and finish.

S. A. Anderson is serving on the County Court Jury for a two weeks' period.

Christ Bartz, who for some time past has been traveling as salesman for W. F. Kasting, is home for a spell, during which he will occupy a position at Crystal Beach, a local Summer resort.

A. N. Pierson, of Cromwell, Conn., visited his nephew, S. A. Anderson, over Sunday last. C. H. Joosten, of New York, was also a caller, and S. S. Skidelsky was about on Tuesday of this week.

VIDI.

Minneapolis.

An incentive to sweet pea growing is being offered by the leading florists and seedsmen of Minneapolis in the shape of a sweet pea and annual flower raising contest. The show will be held on the second floor of the Dayton block, 710 Nicollet avenue, early in August. It is hoped to secure a showing of annuals which will do credit to the Flour City. Such flowers as sweet peas, asters, dahlias, nasturtiums, carnations, marguerites, verbenas and gladiolus will be entered in the contest. Liberal premiums will be offered on the best arrangement and the best bouquets. Prizes will also be offered to the school children who have received seed from the Minneapolis Import League.

It has been decided to donate 10 per cent. of the door receipts to the Minneapolis Outing Association, so that poor boys and girls who work in the factories may be benefited by the recreation offered by this organization.

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45, 47, 49, WABASH AVE., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago June 9, '03	St. Louis June 22, '03	Cincinnati June 23, '03	Milwaukee June 23, '03	Detroit June 10, '03
Roses	A. BEAUTY, fancy—special	20.00 to 24.00	...... to 25.00	...... to 25.00	...... to 25.00	...... to 30.00
	" extra	18.00 to 20.00	15.00 to 20.00	16.00 to 20.00	15.00 to 18.00	...... to 25.00
	" No. 1	12.00 to 15.00	8.00 to 12.50	8.00 to 12.00	10.00 to 12.00	...... to 20.00
	" Culls and Ordinary	4.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 8.00	5.00 to 10.00
	Queen of Edgely	...... to	...... to	...... to	...... to	...... to ......
	Bride, 'Maid, fancy—special	5.00 to 6.00	...... to 5.00	...... to 6.00	...... to 6.00	...... to 6.00
	" extra	4.00 to 5.00	...... to 4.00	4.00 to 5.00	...... to 4.00	...... to 5.00
	" No. 1	3.00 to 4.00	...... to 3.00	3.00 to 4.00	...... to 3.00	...... to 4.00
	" No. 2	...... to	...... to 2.00	...... to 2.00	...... to 2.00	...... to 3.00
	Golden Gate	4.00 to 8.00	3.00 to 5.00	2.00 to 5.00	4.00 to 6.00	3.00 to 6.00
	K. A. Victoria	3.00 to 6.00	3.00 to 6.00	2.00 to 6.00	4.00 to 6.00	3.00 to 8.00
	Liberty	4.00 to 20.00	3.00 to 6.00	2.00 to 6.00	4.00 to 6.00	...... to ......
	Meteor	3.00 to 6.00	3.00 to 5.00	...... to	4.00 to 6.00	3.00 to 6.00
	Perle	8.00 to 6.00	...... to	3.00 to 4.00	4.00 to 6.00	3.00 to 5.00
	ORCHIDS—Cattleyas	...... to	...... to	...... to	...... to	...... to 50.00
	Cypripediums	...... to	...... to	...... to	...... to	...... to 25.00
Carnations	Inferior grades, all colors	...... to	...... to 1.00	...... to 1.00	1.00 to 1.50	...... to 1.00
	STANDARD VARIETIES — White	1.50 to 2.00	...... to 1.50	1.50 to 2.00	1.00 to 1.50	...... to 1.00
	Pink	1.50 to 2.00	...... to 1.50	1.50 to 2.00	1.00 to 1.50	...... to ......
	Red	1.50 to 2.00	...... to 1.50	...... to 1.00	1.00 to 1.50	...... to ......
	Yellow and Var.	1.50 to 2.00	...... to 1.50	...... to	1.00 to 1.50	...... to 1.50
	*FANCY— (*The highest grades of standard var) — White	2.00 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	...... to 2.00
	Pink	2.00 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	...... to ......
	Red	2.00 to 3.00	2.00 to 3.00	...... to 2.00	2.00 to 3.00	...... to ......
	Yellow and Var.	2.00 to 3.00	2.00 to 3.00	...... to	2.00 to 3.00	...... to 2.50
	NOVELTIES	3.00 to 4.00	...... to	...... to	...... to	...... to ......
	ADIANTUM	1.00 to 1.50	...... to 1.00	...... to 1.00	...... to	1.00 to 1.50
	ASPARAGUS	30.00 to 50.00	...... to	...... to 50.00	20.00 to 40.00	20.00 to 50.00
	CALLAS	6.00 to 10.00	...... to	...... to	...... to	...... to 10.00
	DAFFODILS	...... to	...... to	...... to	...... to	...... to ......
	DAISIES	.50 to 1.50	...... to	...... to	...... to .50	.25 to .50
	GALAX LEAVES	...... to	...... to .15	...... to .15	...... to .20	...... to .10
	GLADIOLUS	...... to	4.00 to 6.00	...... to 4.00	...... to	...... to ......
	HYACINTHS	...... to	...... to	...... to	...... to	...... to ......
	LILIES	6.00 to 10.00	...... to	...... to 15.00	...... to	...... to 10.00
	LILY OF THE VALLEY	3.00 to 4.00	...... to	...... to 4.00	...... to 4.00	4.00 to 5.00
	MIGNONETTE—Ordinary	...... to	...... to	...... to	...... to	...... to 2.00
	" Fancy	...... to	...... to	...... to	...... to	...... to 3.00
	NARCISSUS	...... to	...... to	...... to	...... to	...... to ......
	PANSIES	.75 to 1.00	...... to	...... to	...... to	...... to ......
	SMILAX	12.00 to 15.00	...... to 15.00	12.00 to 15.00	...... to 20.00	...... to 15.00
	STEVIA	...... to	...... to	...... to	...... to	...... to ......
	SWEET PEAS	1.00 to 1.50	.20 to .25	.35 to .50	...... to .50	.35 to .50
	TULIPS	...... to	...... to	...... to	...... to	...... to ......
	VIOLETS	...... to	...... to	...... to	...... to	...... to ......

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Packed in small crates, easy to handle.

		Price per crate
1500	2 in. pots in crate,	$4.88
1500	2¼ " "	5.25
1500	2½ " "	6.00
1000	3 " "	5.00
800	3½ " "	5.80
500	4 " "	4.50
320	5 " "	4.51
144	6 " "	3.16

		Price per crate
120	pots in crate,	$4.20
60	8 " "	3.00
	HAND MADE.	
48	9 in. pots in crate,	$3.60
48	10 " "	4.80
24	11 " "	3.60
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12	14 " "	4.80
6	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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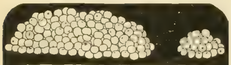

Actual Results

of the advantages of spraying are shown in above picture. The two piles of apples came from the same number of trees in the same orchard row. The big pile from sprayed trees. Pictures taken from actual photographs.

The Best Spraying Pumps

bucket, knapsack, barrel, hand and power, are made by the undersigned, inventors and sole owners of many new valuable spraying fixtures and features. Write for free catalogue and booklet on insects, plant and fruit diseases.

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is the newest and best article on the market today for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Green Fly** and **Thrips.** There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with this powder. It is put up as follows.

1 lb. Tin Can ...	$0.25	25 lb. Sealed Box	$4.50
5 " " ...	1.00	100 " " "	16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill.

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The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

No.	Per 100	Per 1000	No.	Per 100.	Per 1000
0.—3x4x20	$2.00	$18.00	5.—4x8x22	$3.00	$27.50
1.—3x4½x16 ..	1.75	15.00	6.—4x8x28	3.75	35.00
2.—3x6x18	2.00	18.00	7.—6x16x20 ...	5.50	53.00
3.—4x8x18	2.40	22.00	8.—3x7x21	3.00	29.00
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Quality No Better.

Carefully Packed in Small Crates. Easy to handle. Price List Free.

Syracuse Pottery Co.,
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Best Pot in the Market.

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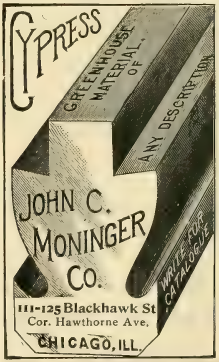

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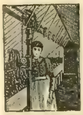

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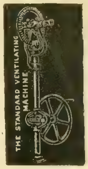

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The lightest running, most rapid and powerful Ventilating Machinery in the market.

THE

Duplex Gutters

Made of wrought or cast iron, with self adjusting sash-bar clips. The only Drip-proof Gutters made. Send for catalogue, free.

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Greenhouse Boiler

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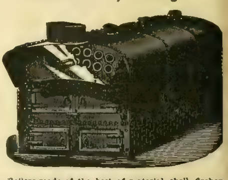

Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front. sides and back) Write for information.

A DIAMOND MINE

IT GETS THERE EVERY TIME.

The Midget greenhouse for raising seedlings, small plants and delicate ferns. Frames of vegetable fibre, waterproof, glazed with our new patent Flexible Glass, unbreakable, perfectly transparent, colorless and unchanged by climatic influences.

The Midget folds like a map into a space 12x9x1¼ inches; weighs only 12 ozs. Can be shipped by mail or express. Price No. 1 (dimensions 12x9x9 inches), $2.50. Waterproof paper for wrapping roots of plants, cuttings and lining cut-flower boxes. Much superior to wax paper. Can also be used to cover hot beds, cold frames, and even flower beds from expected frosts. Also coated cloth for last mentioned purposes. Full particulars on application.

FLEXIBLE GLASS MFG. CO., Jackson, Michigan
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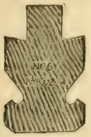

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Hot Bed Sash Red Cedar Posts

Write for circulars or estimate.

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HOTHOUSE GLASS

and GREENHOUSE PUTTY a SPECIALTY.

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CYPRESS IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS UP TO 32 FEET OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL, MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.

Send for our Circulars.

THE A. T. Stearns Lumber Co., NEPONSET, BOSTON, MASS.

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Newport, R. I.

The Newport Horticultural Society held its Summer show June 23 and 24. Considering the unpropitious weather the displays were very fine, especially of roses. Most of the exhibits were made by local gardeners. Lager & Hurrell, Summit, N. J., had on exhibition a fine collection of orchids, including some very fine types of Cattleya gigas. The exhibit was awarded a silver medal. M. H. Walsh, of Woods Hole, Mass., made a very fine showing of named roses, among which were Debutante and Sweetheart. The baskets made up by the gardeners' assistants were exceedingly fine. For best basket of flowers, other than roses, open to gardeners' assistants only, the first prize was won by Richard Menham, assistant to Bruce Butterton at E. J. Berwind's; second, S. Williams, assistant to J. Marshall at Perry Belmont's. Best corsage bouquet, open to gardeners' assistants only--First prize, Richard Menham; second, S. Williams.

The judges, Messrs. George F. Struck, of Summit, N. J.; Kenneth Finlayson, of Brookline, Mass., and Peter Murray, of Fair Haven, Mass., conscientiously performed their arduous duties.

The Norwalks, Conn.

For the past two weeks the florists in the Norwalks have been very busy, many weddings and the graduating exercises at the several ladies' seminaries creating a very lively demand for flowers and the use of decorative plants.

Rain has fallen almost incessantly for the past fortnight, and the drouth is forgotten. The carnations in the field look exceptionally well.

H. M. Woundy, of New Canaan, was in town the other day, and reports the best Spring trade in several years. He waited until the rain came before planting his carnations—about 20,000.

E. R. Sherwood is cutting 5,000 carnations per week and is getting tip-top prices for them. He planted about 15,000 in the field last week.

A new carnation house will soon be added to the plant of R. G. Hanford. The house will be of the most modern type, 140 feet long by 20 feet wide, and will be heated with hot water. A Lord & Burnham sectional boiler will be installed, which will also heat one or more of the other houses, and two small boilers will be discarded.

Last Sunday was Children's Day at the Congregational Church, and each child was presented with a flowering plant on leaving the service. P.

The Jennings Improved Iron Gutter

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. DILLER, CASKEY & CO., Successors to JENNINGS BROS.,

S. W. Corner Sixth and Berk Sts., Philadelphia, Pa.

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MANUFACTURERS OF HOT BED SASH, AIR DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at LOW COST.

☞ Our descriptive circular contains valuable information for every florist. Send for it.

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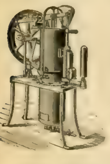
WATER

RIDER AND ERICSSON

Hot Air Pumping Engines



If water is required for household use, lawns, flower beds or stables, no pump will pump it so safely, cheaply and reliably. No danger as from steam. No complication as in gasolene engines. No uncertainty, as in windmills. Prices reduced. Catalogue "X" on application.

RIDER-ERICSSON ENGINE CO.,

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239 Franklin Street, Boston
692 Craig Street, Montreal, P. Q.
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We have a limited stock of greenhouse glass of our standard quality, double thick. **Florists** will be given the **Advantage** in price of our purchase, which was made before the raise.

☞ *Send in your inquiries before the stock is sold.*

Putty and other Greenhouse Building Material

Carried in stock ready for prompt shipment.

Lord & Burnham Company

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Iron Gutters and Posts

Patented December 27th, 1898.

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GEO. M. GARLAND, Des Plaines, Ill.

JOHN C. MONINGER CO., CHICAGO, Selling Agents

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GULF CYPRESS

Greenhouse Material

CUT AND SPLICED READY FOR ERECTION. HOT BED SASH

New Twin Section Boiler.
SEND 4c. FOR CATALOGUE.

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1365 to 1373 Flushing Ave., Brooklyn, N.Y.

We Furnish Everything for Building.

Greenhouse GLASS AT WHOLESALE.

GET OUR PRICES BEFORE ORDERING.

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GREENHOUSE WOODWORK, PERFECTION LIFTING APPARATUS, HINGES, PURLIN FITTINGS, HARDWARE, RED CEDAR POSTS, HOT BED SASH.

Write for our Free New Catalogue.

FOLEY CAST IRON GUTTER

This cut is not full size. We make two sizes: 2⅞x5 inches and 2⅞x6⅛ inches, inside measurement of waterway.

No rotting at the ends of bars. The end wood is not [illegible]. Bars always have perfect bearing, and the drip falls free into drip conductor.

Your bars will last five years longer than on old-style gutters. The lugs through which the screw fastens the bar are cast on the gutter.

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The King Construction Co.

New Roof Construction, Automatic Stokers, Water Tube Steam Boilers, Automatic and Hand Ventilators.

Lockport, New York.
32 Church Street, Toronto, Can.

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PHILADELPHIA

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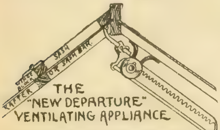
GOOD SASH LIFT

For a Very Little Money, Get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RAFTER
THE "NEW DEPARTURE" VENTILATING APPLIANCE

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Special Trade List.

	In. pots	doz.	100
Anthericum variegatum	3	$0.75	$5.00
Cannas, Queen Charlotte, Florence Vaughan, Mme. Crozy, Egandale	3	.60	4.00
Cobæa Scandens	3	.75	5.00
Clematis Paniculata	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Dracæna Indivisa	3	75	5.00
Echeveria glauca, strong plants	4	1.00	
Golden Feather, $15.00 per 1000	2		2.00
Hope Vines	4	1 00	
Hydrangea, Thos. Hogg	2	50	3.00
Ivy, English, hardy strong plants	4	1.50	10 00
Passiflora cœrulea	3	.75	5.00
Tropaeolum, double dwarf	2½	.50	3.00
Lantanas, Le Naine	2½	.50	3.00
Lobelias, dark and light blue	2½	.50	3.00
Violets, La France		.50	.00
Forget-me-not (Palustris) in bloom		.50	3.00
Moonvines	2½	.50	3.00
Chrysanthemums, a full line of the best varieties	2½		2.00
Smilax, strong	2½		2.00
Smilax, fine plants	2	.35	2.00
Boston Ferns, fine plants	6	3.00	

C. Eisele, 11th and Jefferson Streets, **Phila., Pa.**

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See the Point
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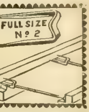

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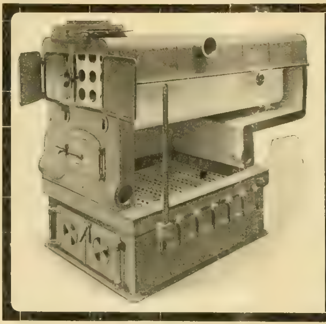

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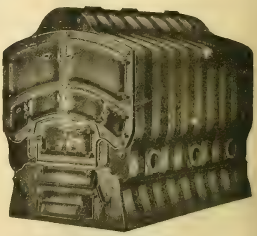

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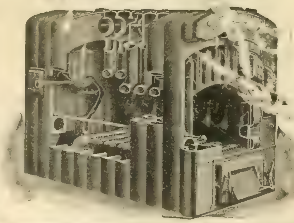

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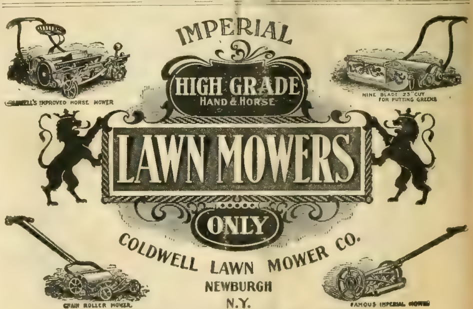

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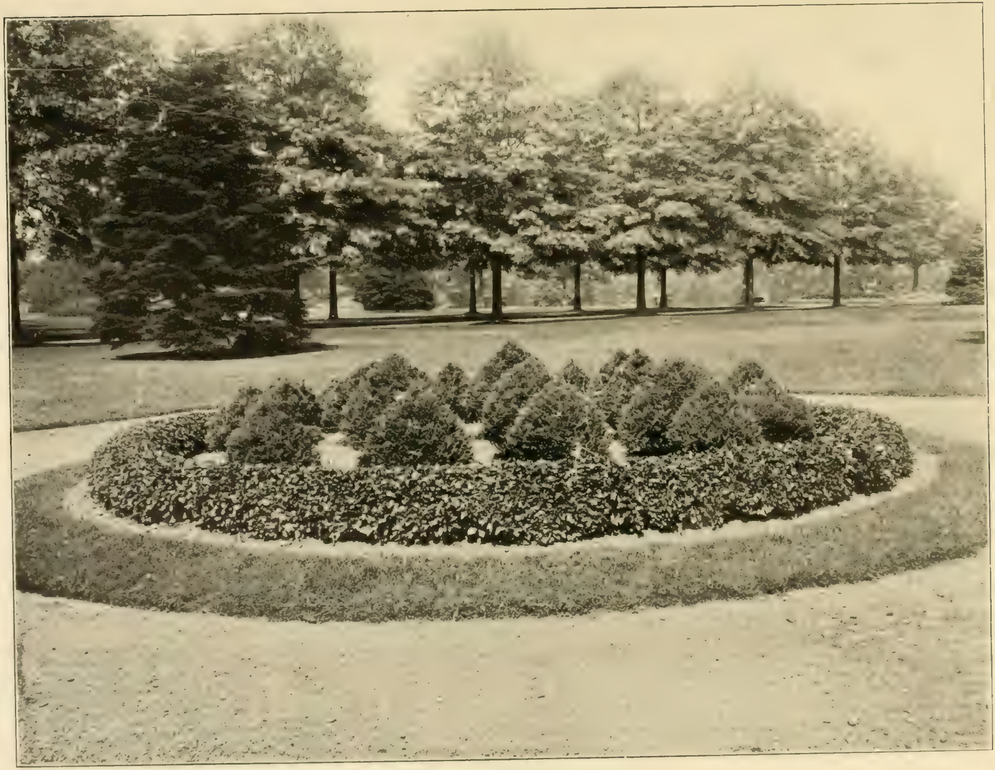

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Plate 55.

BED OF EVERGREENS—BACKGROUND OF PIN OAKS

The bed contains but one variety—Retinospora plumosa—with a setting of Ivy. Taking into consideration the position of the bed, and the appropriateness of the background, the picture is one all can admire for its beauty and its lessons.